

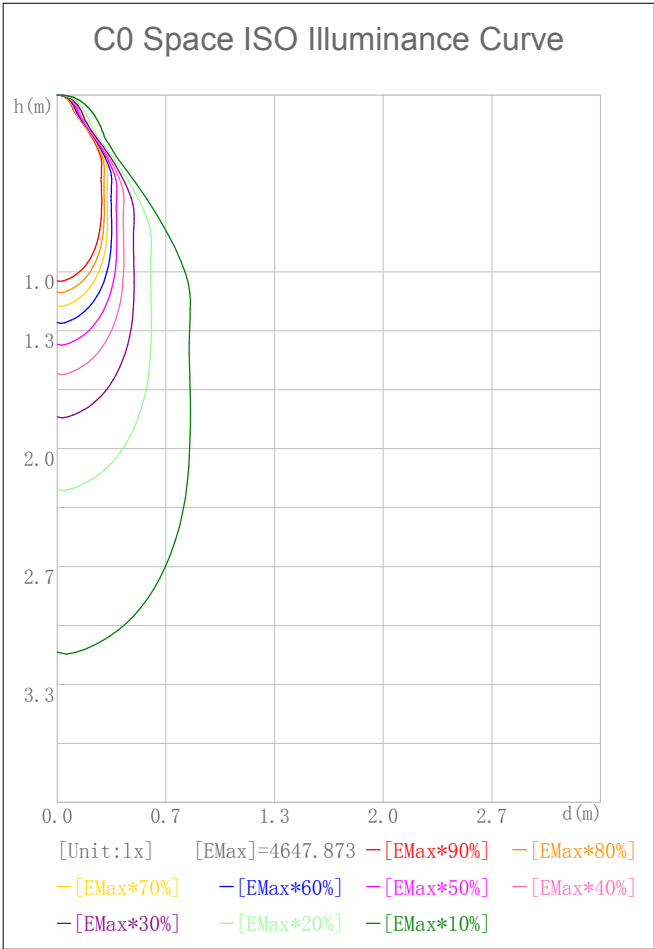
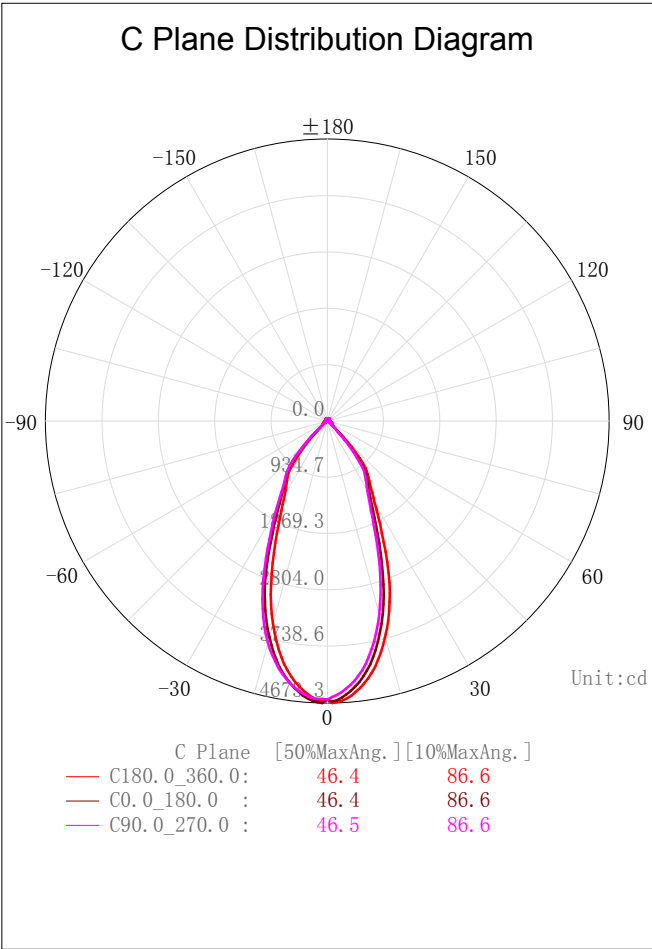
Indoor Luminaire Photometric Data

Description Information

Luminary Name:		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2016/11/29
Manufacture:		Shld. Ang(°):	Test Machine: GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.300m*0.300m*0.000m		Lum. Area (m2): 0.071	Lum. W (kg): 0.800
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%): 50.0

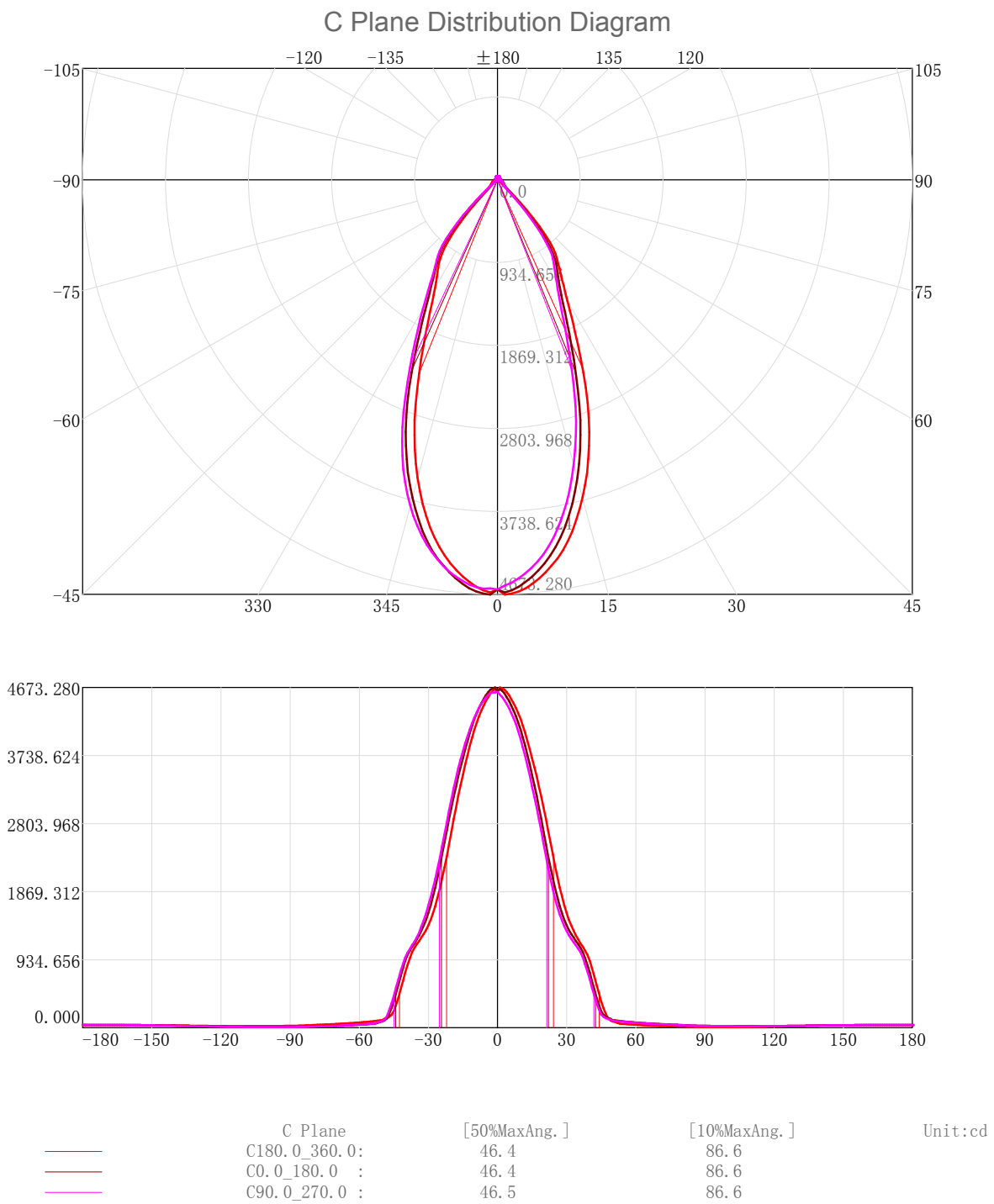
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 3680.300	Luminary Flux(lm): 3680.250	Field Angle(10%Imax): 86.6(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 3522.704lm 95.72%	
Rated Voltage(V):	Luminary EER(lm/W): 87.045	Up Lumens&Percent: 157.546lm 4.28%	
Tested Power(W): 42.280	Max. Candela(cd): 4673.280	S/MH: C0_a180=0.744 C90_270=0.739	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf): 220.0, 0.199, 0.966	Beam Angle(50%Imax): 46.4(°)	ErP Φuse(90°): 3276.327lm	
Lamp Size(W*L*H): 0.300m*0.300m*0.000m	Left=-22.1°, Right=24.3°	IRF(%): 289.522	



2D Plane Light Intensity Distribution Curve

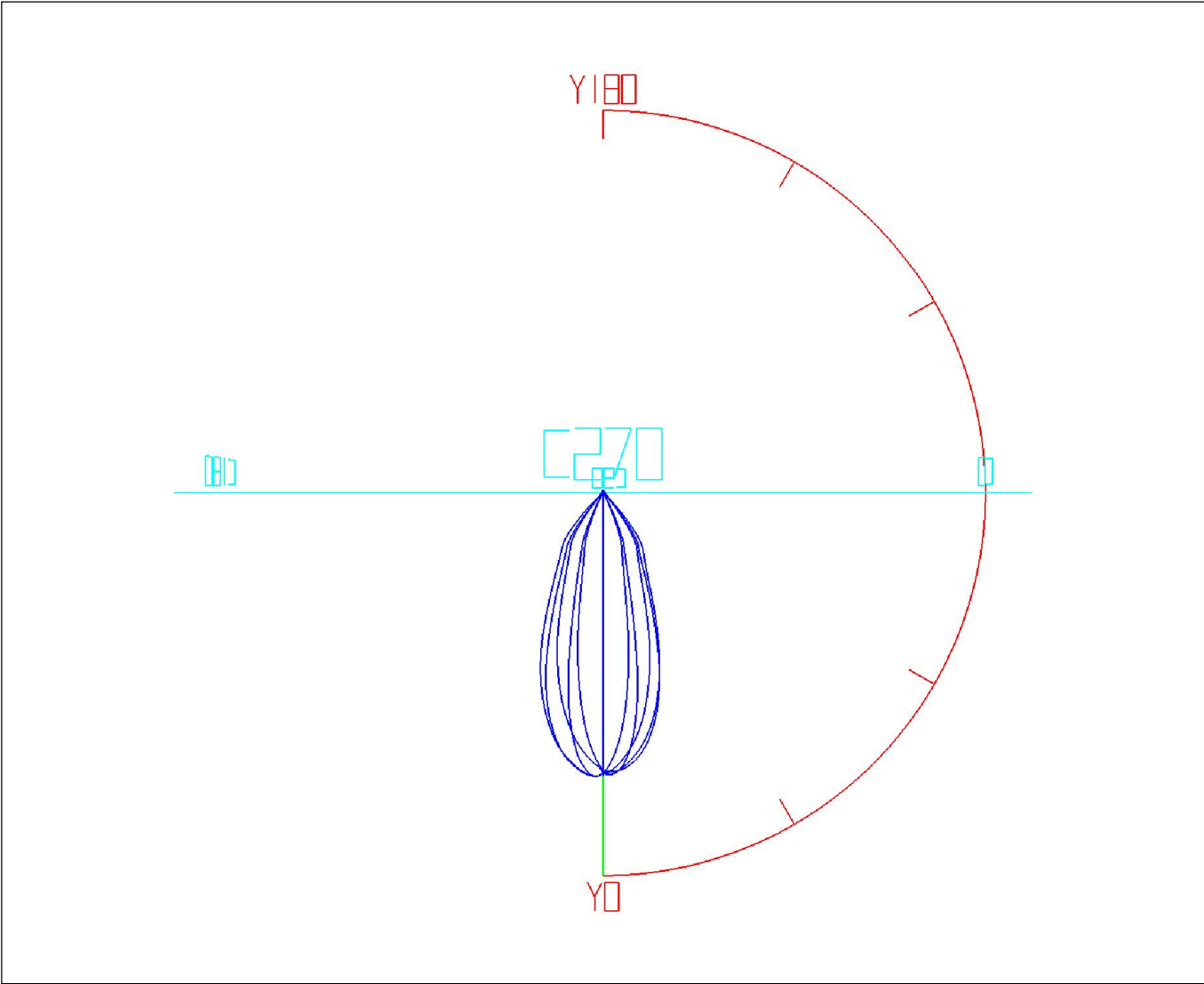
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/29



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2016/11/29

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

IES Indoor Report

Photometric Filename:UI-36W-COB.IES

Zonal Flux Tabulation

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	4.41	4.41	0.12	0.12	47.0-48.0	12.67	3328.27	0.34	90.43
1.0-2.0	13.19	17.60	0.36	0.48	48.0-49.0	10.29	3338.56	0.28	90.71
2.0-3.0	21.87	39.47	0.59	1.07	49.0-50.0	8.86	3347.42	0.24	90.96
3.0-4.0	30.39	69.86	0.83	1.90	50.0-51.0	7.98	3355.40	0.22	91.17
4.0-5.0	38.69	108.55	1.05	2.95	51.0-52.0	7.47	3362.87	0.20	91.37
5.0-6.0	46.72	155.27	1.27	4.22	52.0-53.0	6.99	3369.86	0.19	91.56
6.0-7.0	54.46	209.73	1.48	5.70	53.0-54.0	6.64	3376.50	0.18	91.75
7.0-8.0	61.84	271.57	1.68	7.38	54.0-55.0	6.45	3382.95	0.18	91.92
8.0-9.0	68.83	340.39	1.87	9.25	55.0-56.0	6.29	3389.24	0.17	92.09
9.0-10.0	75.36	415.75	2.05	11.30	56.0-57.0	6.13	3395.38	0.17	92.26
10.0-11.0	81.37	497.12	2.21	13.51	57.0-58.0	5.98	3401.36	0.16	92.42
11.0-12.0	86.84	583.96	2.36	15.87	58.0-59.0	5.82	3407.18	0.16	92.58
12.0-13.0	91.69	675.65	2.49	18.36	59.0-60.0	5.66	3412.83	0.15	92.73
13.0-14.0	95.92	771.57	2.61	20.96	60.0-61.0	5.49	3418.32	0.15	92.88
14.0-15.0	99.52	871.08	2.70	23.67	61.0-62.0	5.33	3423.66	0.14	93.03
15.0-16.0	102.44	973.52	2.78	26.45	62.0-63.0	5.17	3428.83	0.14	93.17
16.0-17.0	104.66	1078.18	2.84	29.30	63.0-64.0	5.02	3433.85	0.14	93.30
17.0-18.0	106.14	1184.32	2.88	32.18	64.0-65.0	4.88	3438.73	0.13	93.44
18.0-19.0	106.85	1291.17	2.90	35.08	65.0-66.0	4.74	3443.47	0.13	93.56
19.0-20.0	106.74	1397.91	2.90	37.98	66.0-67.0	4.60	3448.07	0.13	93.69
20.0-21.0	105.83	1503.73	2.88	40.86	67.0-68.0	4.47	3452.54	0.12	93.81
21.0-22.0	104.21	1607.95	2.83	43.69	68.0-69.0	4.34	3456.88	0.12	93.93
22.0-23.0	102.02	1709.97	2.77	46.46	69.0-70.0	4.23	3461.11	0.11	94.04
23.0-24.0	99.40	1809.37	2.70	49.16	70.0-71.0	4.11	3465.23	0.11	94.16
24.0-25.0	96.59	1905.95	2.62	51.79	71.0-72.0	4.00	3469.23	0.11	94.26
25.0-26.0	93.71	1999.66	2.55	54.33	72.0-73.0	3.88	3473.11	0.11	94.37
26.0-27.0	90.86	2090.52	2.47	56.80	73.0-74.0	3.76	3476.87	0.10	94.47
27.0-28.0	88.11	2178.63	2.39	59.20	74.0-75.0	3.66	3480.53	0.10	94.57
28.0-29.0	85.52	2264.15	2.32	61.52	75.0-76.0	3.55	3484.08	0.10	94.67
29.0-30.0	83.09	2347.24	2.26	63.78	76.0-77.0	3.44	3487.51	0.09	94.76
30.0-31.0	80.85	2428.09	2.20	65.98	77.0-78.0	3.35	3490.86	0.09	94.85
31.0-32.0	78.87	2506.95	2.14	68.12	78.0-79.0	3.23	3494.09	0.09	94.94
32.0-33.0	77.12	2584.07	2.10	70.21	79.0-80.0	3.11	3497.20	0.08	95.02
33.0-34.0	75.52	2659.59	2.05	72.27	80.0-81.0	3.01	3500.21	0.08	95.11
34.0-35.0	74.09	2733.68	2.01	74.28	81.0-82.0	2.89	3503.10	0.08	95.19
35.0-36.0	72.67	2806.35	1.97	76.25	82.0-83.0	2.77	3505.86	0.08	95.26
36.0-37.0	70.96	2877.31	1.93	78.18	83.0-84.0	2.67	3508.53	0.07	95.33
37.0-38.0	68.52	2945.83	1.86	80.04	84.0-85.0	2.56	3511.09	0.07	95.40
38.0-39.0	65.12	3010.95	1.77	81.81	85.0-86.0	2.47	3513.56	0.07	95.47
39.0-40.0	60.65	3071.59	1.65	83.46	86.0-87.0	2.39	3515.95	0.07	95.53
40.0-41.0	55.05	3126.64	1.50	84.96	87.0-88.0	2.31	3518.27	0.06	95.60
41.0-42.0	48.49	3175.14	1.32	86.27	88.0-89.0	2.24	3520.51	0.06	95.66
42.0-43.0	41.40	3216.54	1.12	87.40	89.0-90.0	2.19	3522.70	0.06	95.72
43.0-44.0	34.20	3250.74	0.93	88.33	90.0-91.0	2.14	3524.85	0.06	95.78
44.0-45.0	27.29	3278.03	0.74	89.07	91.0-92.0	2.10	3526.95	0.06	95.83
45.0-46.0	21.23	3299.26	0.58	89.65	92.0-93.0	2.07	3529.02	0.06	95.89
46.0-47.0	16.34	3315.60	0.44	90.09	93.0-94.0	2.05	3531.07	0.06	95.95

IES Indoor Report

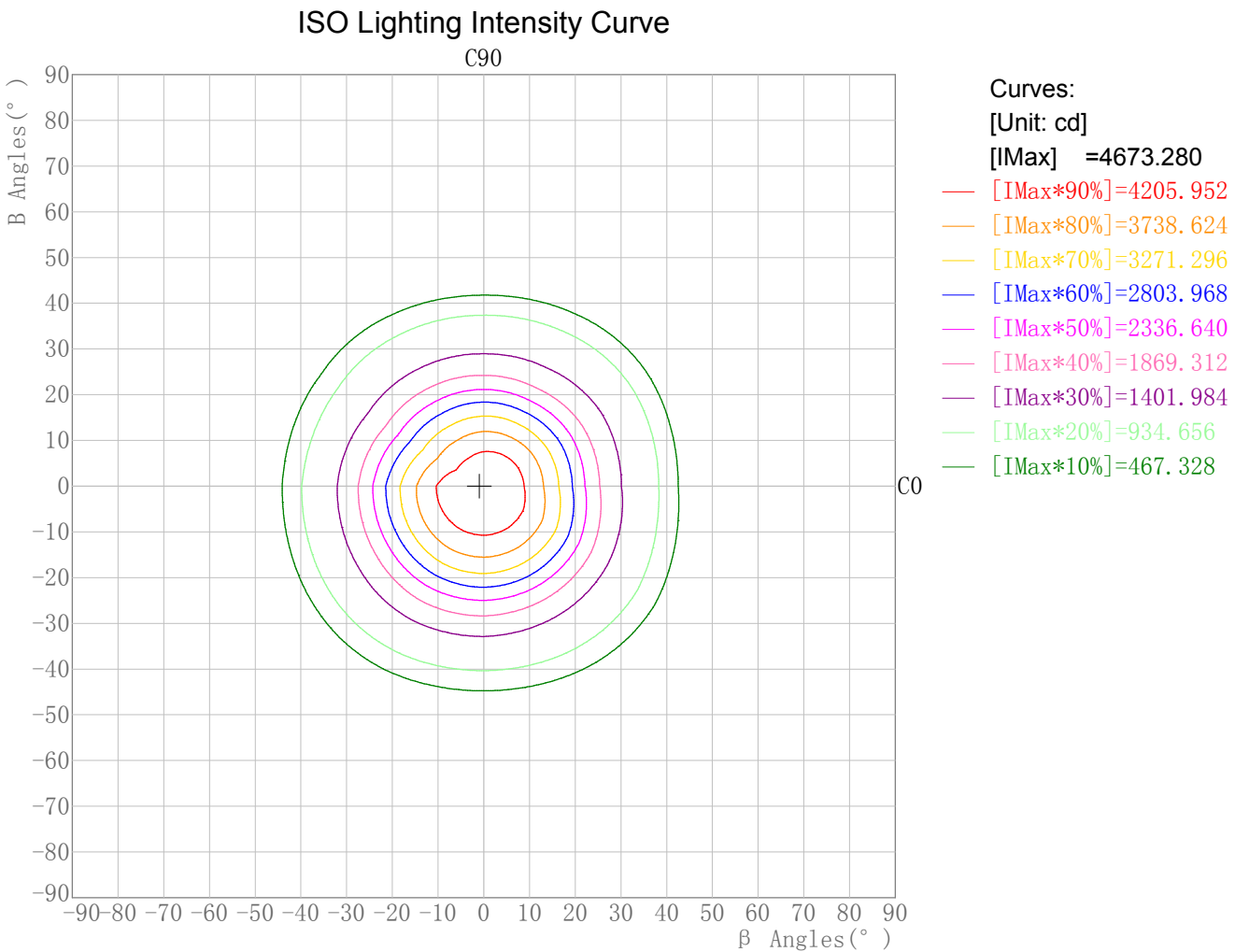
Photometric Filename:UI-36W-COB.IES

Zonal Flux Tabulation - (Cont.)

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	2.03	3533.09	0.06	96.00	141.0-142.0	2.27	3630.29	0.06	98.64
95.0-96.0	2.01	3535.10	0.05	96.05	142.0-143.0	2.25	3632.54	0.06	98.70
96.0-97.0	1.99	3537.09	0.05	96.11	143.0-144.0	2.23	3634.78	0.06	98.76
97.0-98.0	1.97	3539.06	0.05	96.16	144.0-145.0	2.21	3636.99	0.06	98.82
98.0-99.0	1.96	3541.02	0.05	96.22	145.0-146.0	2.18	3639.17	0.06	98.88
99.0-100.0	1.94	3542.96	0.05	96.27	146.0-147.0	2.16	3641.33	0.06	98.94
100.0-101.0	1.93	3544.89	0.05	96.32	147.0-148.0	2.12	3643.45	0.06	99.00
101.0-102.0	1.92	3546.81	0.05	96.37	148.0-149.0	2.08	3645.53	0.06	99.06
102.0-103.0	1.91	3548.72	0.05	96.42	149.0-150.0	2.04	3647.58	0.06	99.11
103.0-104.0	1.90	3550.62	0.05	96.48	150.0-151.0	2.00	3649.58	0.05	99.17
104.0-105.0	1.89	3552.51	0.05	96.53	151.0-152.0	1.95	3651.53	0.05	99.22
105.0-106.0	1.89	3554.40	0.05	96.58	152.0-153.0	1.90	3653.44	0.05	99.27
106.0-107.0	1.89	3556.29	0.05	96.63	153.0-154.0	1.85	3655.29	0.05	99.32
107.0-108.0	1.89	3558.17	0.05	96.68	154.0-155.0	1.80	3657.08	0.05	99.37
108.0-109.0	1.89	3560.06	0.05	96.73	155.0-156.0	1.74	3658.82	0.05	99.42
109.0-110.0	1.89	3561.95	0.05	96.78	156.0-157.0	1.68	3660.50	0.05	99.46
110.0-111.0	1.89	3563.84	0.05	96.84	157.0-158.0	1.62	3662.12	0.04	99.51
111.0-112.0	1.90	3565.74	0.05	96.89	158.0-159.0	1.56	3663.68	0.04	99.55
112.0-113.0	1.91	3567.65	0.05	96.94	159.0-160.0	1.50	3665.17	0.04	99.59
113.0-114.0	1.92	3569.57	0.05	96.99	160.0-161.0	1.43	3666.61	0.04	99.63
114.0-115.0	1.93	3571.51	0.05	97.04	161.0-162.0	1.36	3667.97	0.04	99.66
115.0-116.0	1.95	3573.46	0.05	97.10	162.0-163.0	1.30	3669.27	0.04	99.70
116.0-117.0	1.97	3575.42	0.05	97.15	163.0-164.0	1.23	3670.50	0.03	99.73
117.0-118.0	1.99	3577.41	0.05	97.20	164.0-165.0	1.16	3671.66	0.03	99.77
118.0-119.0	2.01	3579.42	0.05	97.26	165.0-166.0	1.09	3672.74	0.03	99.79
119.0-120.0	2.03	3581.44	0.06	97.31	166.0-167.0	1.02	3673.76	0.03	99.82
120.0-121.0	2.05	3583.49	0.06	97.37	167.0-168.0	0.95	3674.71	0.03	99.85
121.0-122.0	2.07	3585.56	0.06	97.43	168.0-169.0	0.87	3675.58	0.02	99.87
122.0-123.0	2.09	3587.65	0.06	97.48	169.0-170.0	0.80	3676.38	0.02	99.89
123.0-124.0	2.12	3589.77	0.06	97.54	170.0-171.0	0.73	3677.11	0.02	99.91
124.0-125.0	2.14	3591.91	0.06	97.60	171.0-172.0	0.65	3677.76	0.02	99.93
125.0-126.0	2.16	3594.07	0.06	97.66	172.0-173.0	0.58	3678.34	0.02	99.95
126.0-127.0	2.18	3596.24	0.06	97.72	173.0-174.0	0.50	3678.84	0.01	99.96
127.0-128.0	2.20	3598.44	0.06	97.78	174.0-175.0	0.43	3679.27	0.01	99.97
128.0-129.0	2.21	3600.66	0.06	97.84	175.0-176.0	0.35	3679.62	0.01	99.98
129.0-130.0	2.23	3602.89	0.06	97.90	176.0-177.0	0.27	3679.90	0.01	99.99
130.0-131.0	2.25	3605.14	0.06	97.96	177.0-178.0	0.20	3680.09	0.01	99.99
131.0-132.0	2.26	3607.40	0.06	98.02	178.0-179.0	0.12	3680.21	0.00	100.00
132.0-133.0	2.27	3609.67	0.06	98.08	179.0-180.0	0.04	3680.25	0.00	100.00
133.0-134.0	2.29	3611.96	0.06	98.14					
134.0-135.0	2.29	3614.25	0.06	98.21					
135.0-136.0	2.30	3616.55	0.06	98.27					
136.0-137.0	2.30	3618.85	0.06	98.33					
137.0-138.0	2.30	3621.15	0.06	98.39					
138.0-139.0	2.30	3623.45	0.06	98.46					
139.0-140.0	2.29	3625.74	0.06	98.52					
140.0-141.0	2.28	3628.02	0.06	98.58					

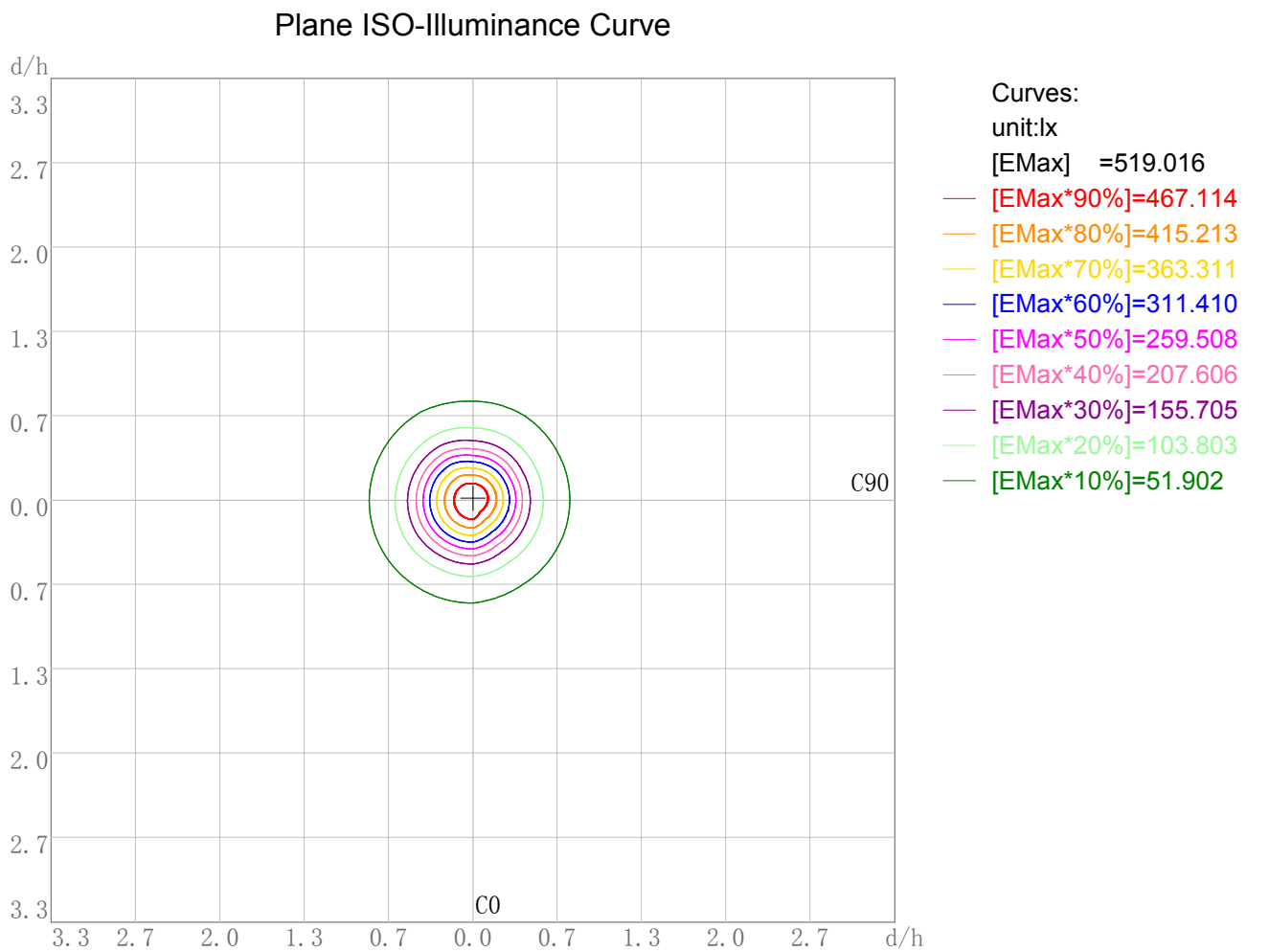
Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/29



Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2016/11/29

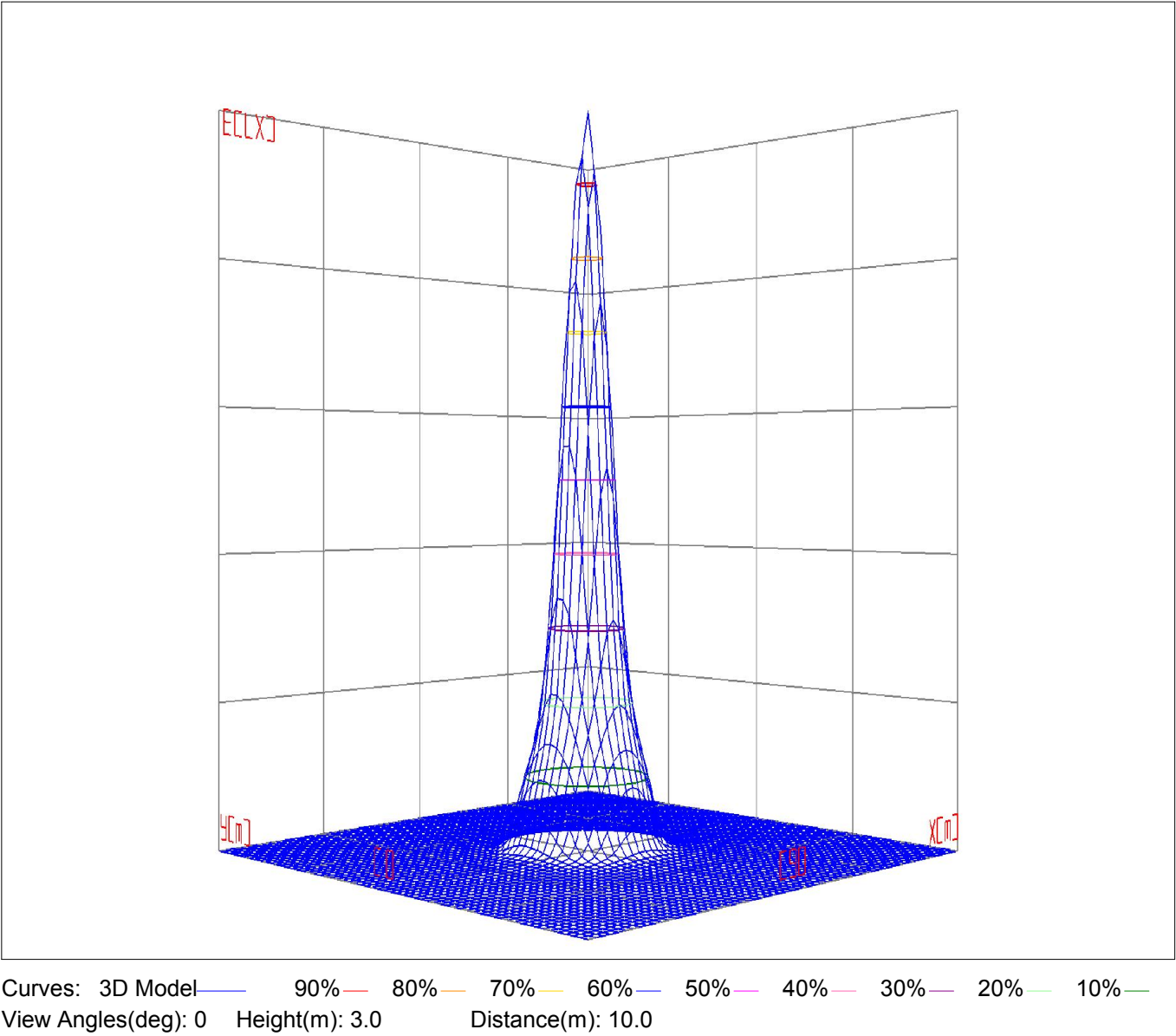


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 519.02  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/29

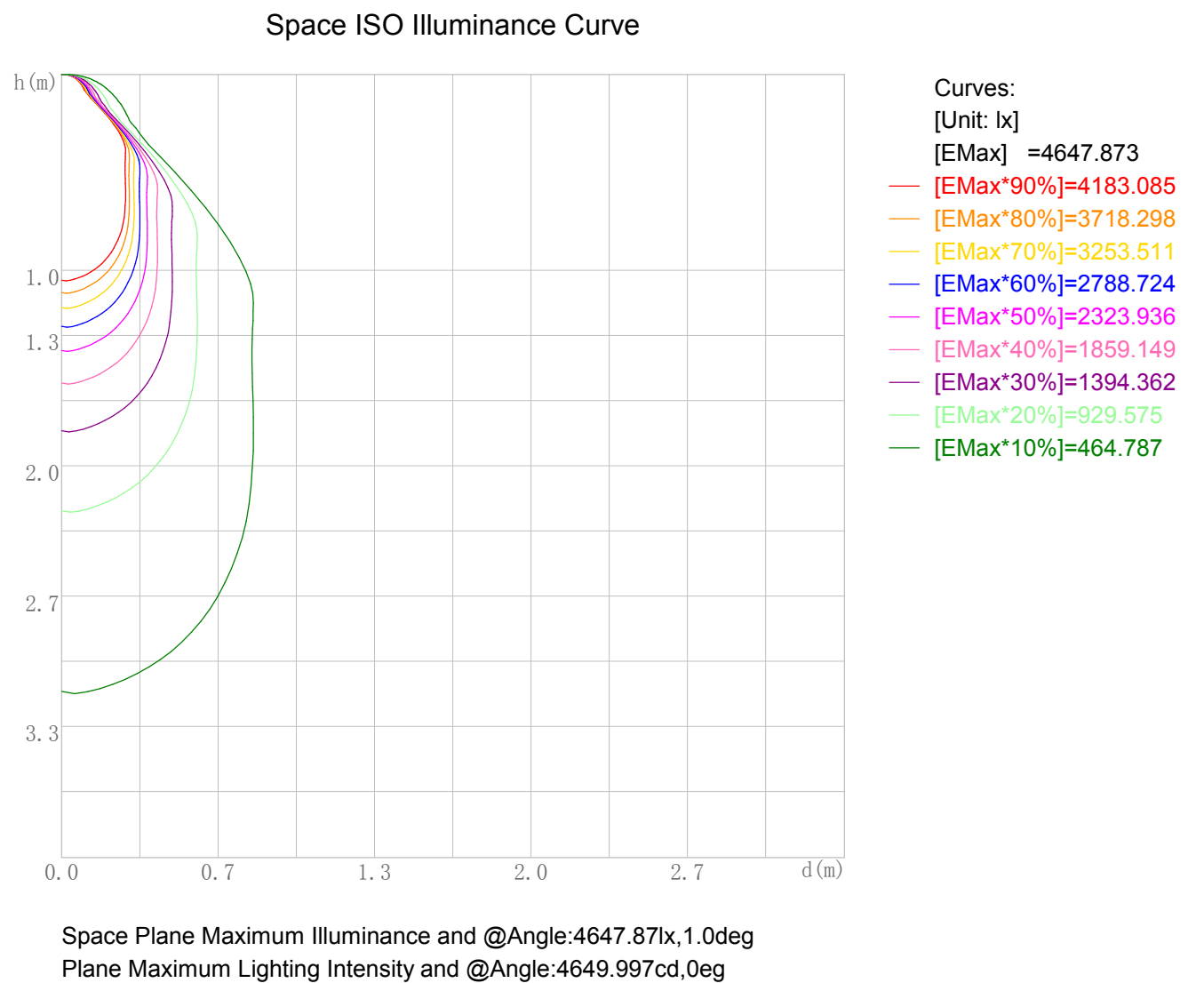
3D Plane Illuminance Modal





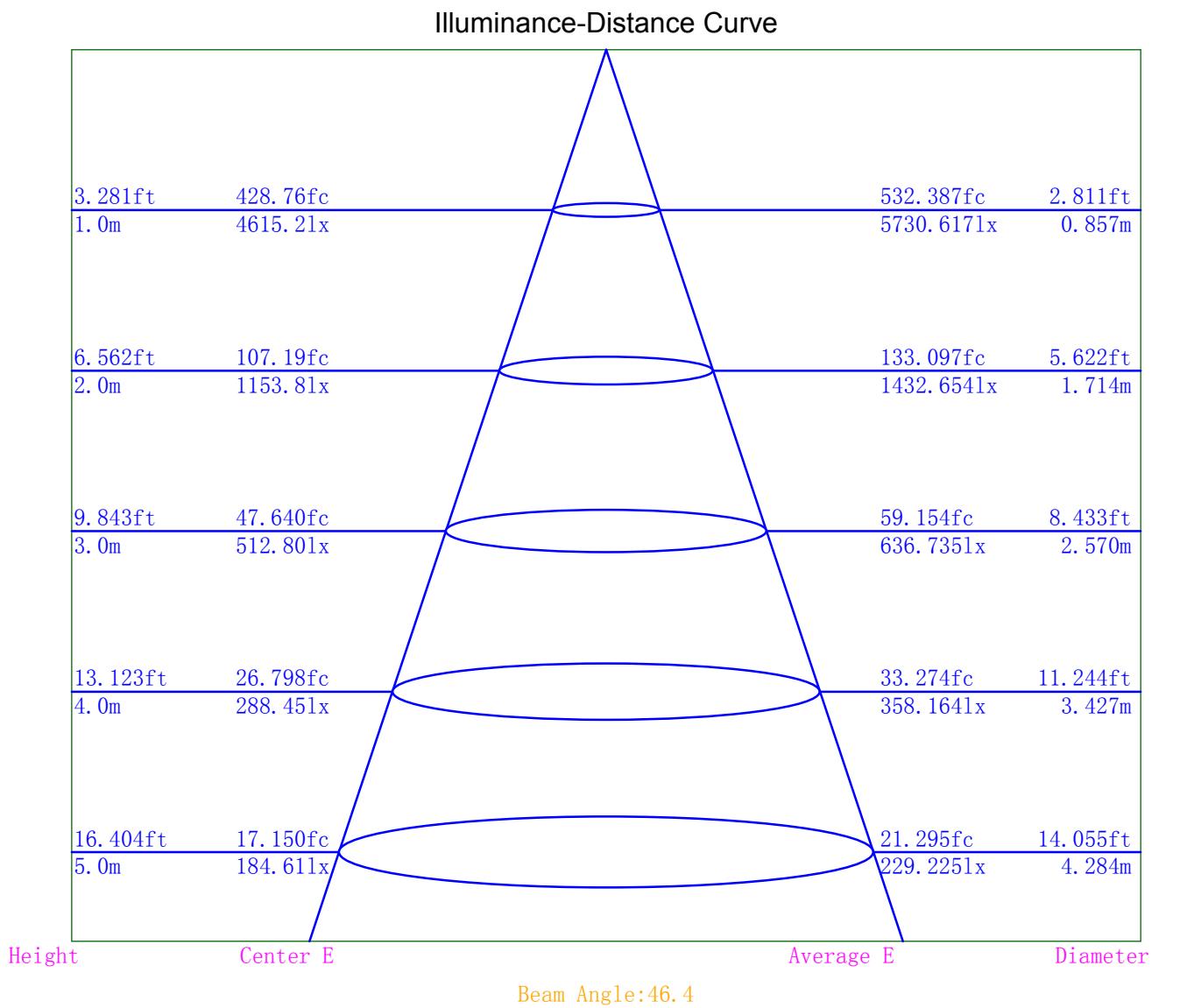
Space ISO Illuminance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/29



Illuminance-Distance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/29



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/29

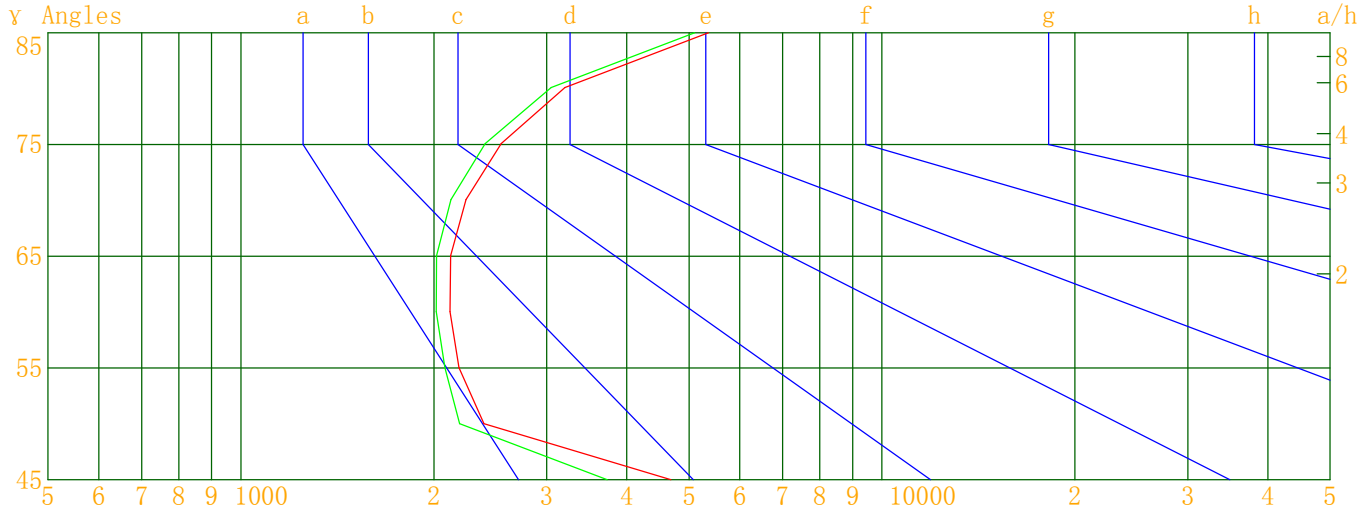
Glare Grade Table

GI	Quality	Using Illuminance							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	4686	2393	2189	2119	2123	2245	2548	3201	5363
C90	3726	2194	2081	2017	2019	2126	2404	3048	5104

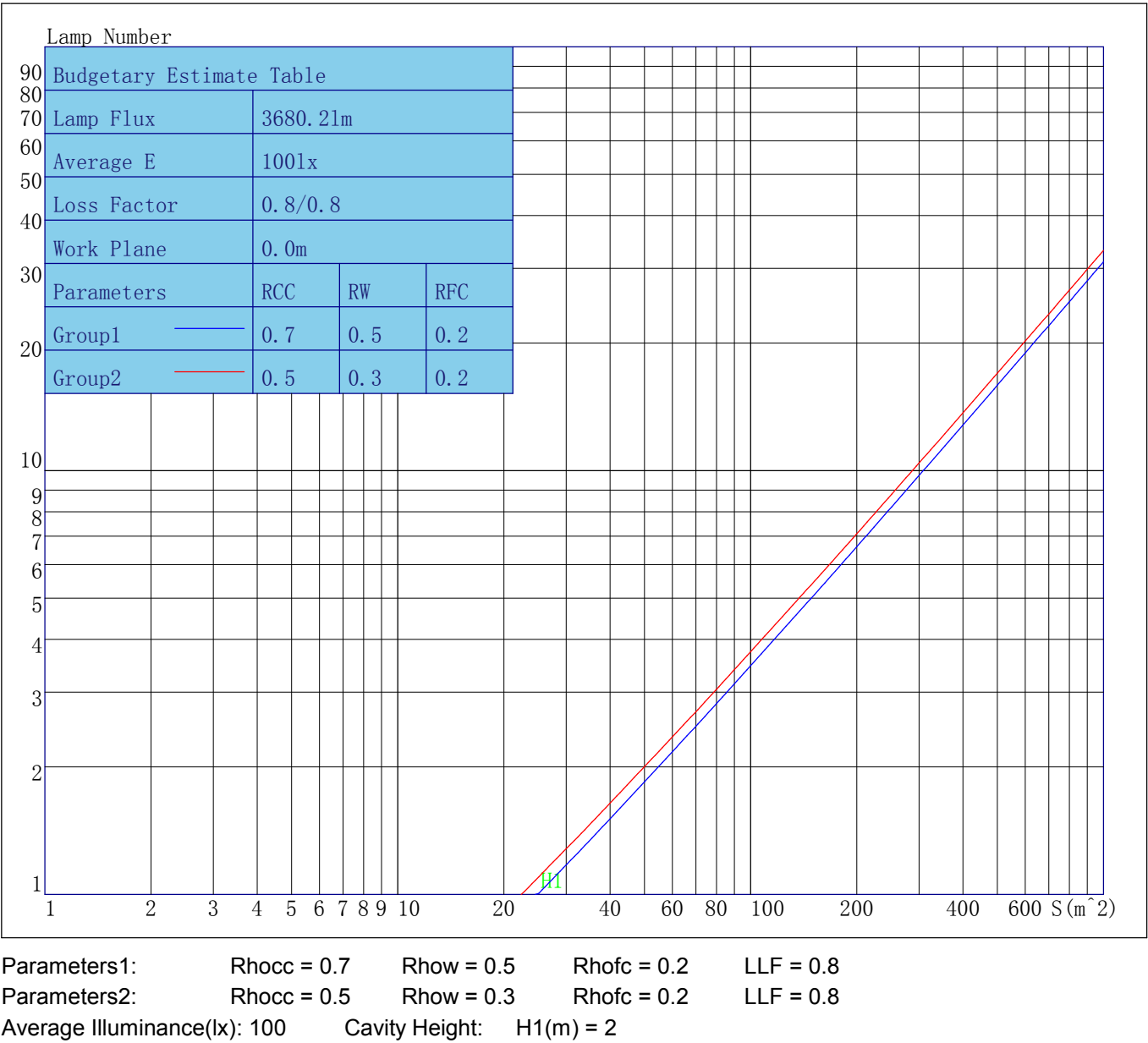
Luminance Limiting Curve



Luminous Size: Length(m)=-0.300 Width(m)=-0.300 Height(m)=0.000 Area(m^2)=0.070686  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/29



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/29

Coefficients of Utilization – Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization(%)																	
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	112	109	106	104	109	106	104	101	101	99	98	97	95	94	93	92	90	88
2	106	101	96	92	103	98	94	91	94	91	88	91	88	86	87	85	84	82
3	100	93	88	84	98	91	87	83	88	84	81	85	82	79	82	80	77	76
4	95	87	81	76	93	85	80	76	83	78	74	80	76	73	78	74	72	70
5	90	81	75	70	88	80	74	70	78	73	69	75	71	68	73	70	67	65
6	85	76	70	65	83	75	69	65	73	68	64	71	67	63	69	65	62	61
7	81	71	65	61	79	70	64	60	69	63	60	67	63	59	66	62	59	57
8	77	67	61	57	75	66	60	56	65	60	56	63	59	55	62	58	55	53
9	73	63	57	53	72	63	57	53	61	56	53	60	55	52	59	55	52	50
10	70	60	54	50	69	59	54	50	58	53	49	57	52	49	56	52	49	47

**Unified Glare Rating Table**

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2016/11/29

**Unified Glare Rating Table**

Ceiling RCC		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size		Vewed crosswise					Vewed endwise				
X=2H	Y=2H	14.7	15.7	15.1	16.1	16.5	13.9	14.9	14.4	15.3	15.8
	Y=3H	14.9	15.7	15.3	16.2	16.6	14.3	15.1	14.7	15.6	16.0
	Y=4H	15.1	15.9	15.6	16.3	16.8	14.5	15.4	15.0	15.8	16.3
	Y=6H	15.4	16.2	15.9	16.6	17.1	15.0	15.7	15.5	16.2	16.7
	Y=8H	15.7	16.4	16.2	16.8	17.4	15.2	15.9	15.8	16.4	16.9
	Y=12H	16.0	16.7	16.5	17.1	17.7	15.6	16.3	16.1	16.7	17.3
X=4H	Y=2H	14.5	15.3	15.0	15.8	16.3	13.9	14.7	14.4	15.1	15.6
	Y=3H	14.8	15.5	15.3	16.0	16.5	14.4	15.1	14.9	15.6	16.1
	Y=4H	15.2	15.8	15.7	16.3	16.8	14.9	15.5	15.4	16.0	16.5
	Y=6H	15.7	16.2	16.2	16.7	17.3	15.5	16.0	16.1	16.6	17.1
	Y=8H	16.1	16.5	16.6	17.1	17.6	15.9	16.4	16.5	16.9	17.5
	Y=12H	16.6	17.0	17.1	17.5	18.1	16.5	16.9	17.0	17.4	18.0
X=8H	Y=4H	15.2	15.7	15.7	16.2	16.8	15.0	15.5	15.6	16.0	16.6
	Y=6H	15.9	16.3	16.5	16.8	17.5	15.9	16.3	16.5	16.9	17.5
	Y=8H	16.4	16.7	17.0	17.3	17.9	16.5	16.8	17.1	17.4	18.0
	Y=12H	17.1	17.4	17.7	18.0	18.6	17.3	17.6	17.9	18.1	18.8
X=12H	Y=4H	15.2	15.6	15.7	16.1	16.7	15.0	15.5	15.6	16.0	16.6
	Y=6H	15.9	16.3	16.5	16.8	17.5	16.0	16.4	16.6	16.9	17.6
	Y=8H	16.5	16.8	17.1	17.4	18.0	16.7	17.0	17.3	17.6	18.3
Variations with the objerver position at spacings											
S=1.0H		0.1/-0.1					0.1/-0.1				
S=1.5H		0.2/-0.3					0.2/-0.2				
S=2.0H		0.2/-0.2					0.1/-0.2				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		1.9					2.4				

o the CIE Pub. 117, data has been corrected, refers to the lamp's lumens 8.2flm.

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Photometric Filename:UI-36W-COB.IES

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Candela Tabulation

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0	C210. 0	C240. 0	C270. 0	C300. 0	C330. 0
Y 0. 0	4615. 17	4615. 17	4615. 17	4615. 17	4615. 17	4615. 17	4615. 17	4615. 17	4615. 17	4615. 17	4615. 17	4615. 17
Y 1. 0	4650. 00	4627. 13	4597. 86	4573. 17	4541. 42	4528. 20	4673. 28	4648. 62	4627. 41	4604. 75	4581. 43	4567. 12
Y 2. 0	4628. 36	4601. 38	4572. 57	4543. 54	4505. 87	4496. 64	4662. 83	4642. 68	4625. 60	4608. 41	4586. 86	4565. 21
Y 3. 0	4590. 86	4562. 90	4531. 14	4497. 06	4460. 48	4451. 66	4643. 83	4623. 40	4616. 34	4595. 95	4576. 61	4551. 46
Y 4. 0	4541. 60	4519. 18	4482. 27	4446. 99	4408. 10	4399. 17	4611. 69	4591. 52	4586. 49	4573. 12	4553. 49	4528. 87
Y 5. 0	4488. 27	4462. 40	4426. 81	4389. 34	4346. 81	4341. 90	4566. 31	4550. 90	4547. 14	4536. 49	4520. 52	4498. 72
Y 6. 0	4424. 24	4399. 08	4360. 56	4323. 53	4278. 12	4276. 23	4513. 60	4503. 02	4499. 53	4495. 75	4482. 42	4457. 40
Y 7. 0	4354. 66	4328. 71	4288. 65	4250. 24	4200. 56	4205. 47	4455. 28	4447. 74	4445. 67	4448. 46	4432. 92	4407. 74
Y 8. 0	4275. 66	4247. 73	4203. 98	4165. 69	4113. 46	4126. 02	4389. 88	4388. 98	4387. 59	4392. 06	4380. 32	4351. 61
Y 9. 0	4189. 56	4161. 32	4108. 88	4070. 50	4018. 55	4033. 62	4319. 88	4324. 00	4326. 70	4329. 25	4318. 71	4286. 21
Y 10. 0	4093. 14	4060. 61	4002. 89	3962. 82	3915. 67	3933. 74	4240. 77	4249. 15	4258. 94	4260. 04	4247. 88	4210. 88
Y 11. 0	3985. 08	3952. 18	3887. 37	3850. 56	3804. 59	3830. 84	4150. 20	4163. 15	4181. 90	4186. 93	4170. 81	4127. 26
Y 12. 0	3870. 56	3832. 27	3764. 55	3731. 09	3687. 33	3717. 58	4048. 69	4071. 13	4092. 23	4097. 43	4082. 55	4037. 41
Y 13. 0	3747. 06	3703. 30	3631. 86	3602. 03	3559. 72	3598. 02	3938. 08	3969. 90	4002. 34	4005. 11	3984. 94	3934. 03
Y 14. 0	3615. 52	3569. 10	3493. 80	3463. 61	3424. 68	3470. 75	3823. 49	3863. 05	3903. 74	3907. 69	3884. 44	3828. 97
Y 15. 0	3476. 26	3427. 53	3347. 50	3319. 11	3284. 46	3336. 17	3706. 10	3753. 01	3796. 32	3799. 62	3774. 99	3717. 37
Y 16. 0	3330. 48	3283. 83	3197. 99	3169. 62	3142. 55	3198. 75	3580. 43	3631. 03	3682. 42	3686. 42	3655. 63	3597. 03
Y 17. 0	3179. 26	3134. 69	3042. 81	3018. 72	2997. 47	3059. 68	3450. 63	3499. 80	3555. 83	3561. 80	3528. 04	3463. 27
Y 18. 0	3023. 52	2982. 33	2881. 20	2864. 01	2847. 99	2918. 29	3311. 12	3361. 07	3420. 62	3429. 98	3391. 84	3325. 14
Y 19. 0	2864. 46	2825. 59	2711. 47	2700. 20	2694. 20	2769. 60	3170. 27	3215. 68	3278. 13	3287. 33	3244. 08	3177. 61
Y 20. 0	2694. 00	2658. 30	2535. 41	2530. 23	2532. 36	2611. 26	3024. 17	3067. 28	3129. 56	3140. 75	3096. 51	3023. 08
Y 21. 0	2520. 70	2485. 32	2363. 22	2360. 08	2369. 78	2451. 30	2872. 11	2909. 02	2972. 20	2985. 97	2939. 90	2861. 58
Y 22. 0	2355. 49	2320. 03	2199. 27	2197. 72	2214. 93	2295. 13	2710. 70	2740. 94	2810. 56	2822. 84	2777. 43	2695. 33
Y 23. 0	2201. 31	2165. 42	2041. 69	2042. 15	2067. 53	2144. 01	2544. 23	2569. 98	2645. 38	2655. 17	2605. 16	2522. 75
Y 24. 0	2049. 94	2016. 04	1899. 80	1897. 78	1928. 48	2001. 67	2378. 21	2407. 63	2484. 11	2492. 54	2438. 70	2356. 66
Y 25. 0	1913. 49	1882. 09	1771. 47	1769. 71	1801. 85	1868. 96	2217. 98	2252. 49	2330. 40	2335. 23	2278. 98	2200. 10
Y 26. 0	1786. 31	1758. 11	1659. 74	1656. 13	1685. 95	1748. 24	2067. 45	2103. 29	2185. 17	2187. 35	2127. 41	2051. 17
Y 27. 0	1673. 39	1649. 56	1563. 72	1557. 80	1580. 88	1639. 20	1927. 07	1962. 43	2045. 25	2047. 10	1986. 67	1915. 42
Y 28. 0	1571. 82	1554. 38	1480. 88	1472. 81	1489. 78	1539. 48	1801. 40	1831. 97	1915. 53	1915. 02	1854. 28	1786. 24
Y 29. 0	1483. 51	1472. 84	1407. 22	1397. 78	1409. 26	1451. 32	1685. 45	1713. 01	1795. 25	1793. 79	1734. 08	1666. 76
Y 30. 0	1409. 29	1401. 38	1341. 09	1331. 77	1338. 66	1375. 31	1578. 92	1603. 53	1680. 68	1679. 72	1619. 52	1559. 78
Y 31. 0	1344. 69	1337. 91	1283. 44	1273. 69	1276. 96	1307. 98	1485. 38	1506. 62	1575. 67	1573. 91	1514. 37	1461. 40
Y 32. 0	1288. 49	1282. 51	1235. 04	1223. 91	1225. 54	1249. 57	1405. 90	1422. 19	1479. 60	1478. 55	1425. 61	1376. 07
Y 33. 0	1241. 41	1233. 83	1186. 58	1175. 49	1175. 98	1199. 44	1333. 07	1346. 81	1392. 06	1391. 06	1343. 68	1299. 09
Y 34. 0	1193. 07	1188. 16	1146. 46	1132. 76	1133. 30	1151. 39	1269. 63	1280. 59	1312. 73	1307. 66	1273. 80	1237. 28
Y 35. 0	1150. 66	1142. 11	1102. 44	1087. 57	1089. 92	1105. 19	1215. 30	1223. 20	1244. 59	1241. 37	1211. 35	1186. 73
Y 36. 0	1100. 61	1097. 91	1055. 10	1040. 05	1038. 48	1060. 23	1160. 72	1170. 03	1185. 45	1185. 08	1156. 39	1137. 03
Y 37. 0	1040. 21	1042. 56	985. 20	969. 65	970. 07	1002. 13	1114. 85	1124. 32	1134. 79	1136. 50	1110. 11	1091. 78
Y 38. 0	959. 93	957. 72	897. 59	877. 22	878. 63	919. 26	1062. 93	1075. 15	1087. 68	1086. 46	1064. 15	1046. 23
Y 39. 0	864. 01	858. 30	793. 48	774. 07	775. 85	820. 75	1003. 01	1017. 16	1032. 12	1034. 80	1010. 86	995. 28
Y 40. 0	757. 25	749. 38	682. 86	663. 96	666. 36	713. 21	919. 48	938. 58	964. 93	965. 69	945. 04	920. 48
Y 41. 0	642. 17	635. 87	569. 70	552. 03	556. 15	602. 42	820. 24	840. 93	875. 70	877. 94	860. 05	831. 21
Y 42. 0	526. 95	521. 14	459. 07	441. 71	447. 19	492. 77	706. 46	726. 19	768. 14	777. 19	755. 94	729. 98
Y 43. 0	414. 84	410. 56	354. 02	339. 23	346. 45	387. 59	592. 54	609. 95	661. 76	667. 17	652. 53	621. 23
Y 44. 0	314. 87	308. 35	262. 69	251. 35	257. 52	291. 60	477. 74	496. 17	549. 02	554. 32	542. 69	510. 60
Y 45. 0	234. 23	225. 85	194. 74	186. 24	190. 83	214. 98	366. 60	382. 84	437. 00	441. 06	431. 71	399. 48
Y 46. 0	176. 89	171. 70	157. 45	151. 07	155. 98	164. 41	268. 99	279. 19	329. 76	332. 68	325. 71	293. 52

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Candela Tabulation - (Cont.)

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0	C210. 0	C240. 0	C270. 0	C300. 0	C330. 0
Y 47. 0	151. 47	146. 48	137. 92	132. 53	136. 12	140. 22	187. 77	192. 30	232. 48	235. 62	229. 24	201. 35
Y 48. 0	136. 61	132. 56	126. 73	123. 23	126. 92	126. 35	129. 19	133. 94	153. 34	159. 92	149. 85	137. 74
Y 49. 0	124. 86	122. 47	113. 72	113. 48	117. 67	117. 88	104. 73	107. 79	112. 46	116. 23	110. 97	107. 86
Y 50. 0	108. 72	108. 62	101. 65	99. 67	102. 04	107. 00	90. 35	92. 56	93. 01	94. 96	90. 56	91. 53
Y 51. 0	102. 04	98. 24	98. 09	96. 05	97. 50	95. 93	82. 07	83. 99	82. 83	85. 26	81. 50	80. 26
Y 52. 0	98. 43	95. 00	94. 69	92. 99	94. 29	92. 68	71. 47	73. 87	74. 84	76. 15	71. 49	68. 73
Y 53. 0	94. 95	91. 90	91. 57	90. 00	91. 18	89. 71	59. 38	60. 88	64. 63	64. 56	62. 43	62. 44
Y 54. 0	91. 73	89. 01	88. 65	87. 19	88. 19	86. 84	56. 37	58. 13	57. 95	60. 77	59. 18	59. 67
Y 55. 0	88. 75	86. 11	85. 81	84. 38	85. 22	84. 09	54. 04	55. 61	55. 44	58. 26	56. 47	56. 76
Y 56. 0	85. 86	83. 43	82. 93	81. 72	82. 52	81. 35	51. 84	53. 22	53. 15	55. 64	53. 99	54. 27
Y 57. 0	83. 07	80. 66	80. 35	79. 01	79. 82	78. 82	49. 59	51. 05	50. 90	53. 28	51. 65	51. 93
Y 58. 0	80. 49	78. 11	77. 66	76. 57	77. 40	76. 27	47. 41	48. 77	48. 62	50. 84	49. 20	49. 72
Y 59. 0	77. 75	75. 42	74. 93	73. 85	74. 82	74. 03	45. 59	46. 73	46. 58	48. 67	47. 02	47. 30
Y 60. 0	74. 90	72. 71	72. 36	71. 29	72. 10	71. 46	43. 38	44. 70	44. 41	46. 42	44. 79	45. 27
Y 61. 0	72. 23	70. 25	70. 07	68. 99	69. 66	68. 98	41. 67	42. 82	42. 56	44. 48	42. 87	43. 00
Y 62. 0	69. 92	68. 15	67. 72	66. 86	67. 51	66. 89	39. 46	40. 59	40. 41	42. 20	40. 57	40. 59
Y 63. 0	67. 65	65. 87	65. 68	64. 39	65. 18	64. 77	37. 41	38. 76	38. 40	39. 96	38. 48	38. 72
Y 64. 0	65. 52	63. 85	63. 46	62. 45	63. 23	62. 62	35. 77	37. 00	36. 63	38. 09	36. 80	37. 05
Y 65. 0	63. 43	61. 69	61. 41	60. 32	61. 22	60. 71	34. 27	35. 45	35. 10	36. 61	35. 17	35. 12
Y 66. 0	61. 42	59. 69	59. 51	58. 47	59. 34	58. 74	32. 49	33. 88	33. 38	34. 84	33. 31	33. 65
Y 67. 0	59. 53	58. 03	57. 66	56. 58	57. 59	56. 94	31. 18	32. 52	32. 10	33. 43	31. 99	32. 12
Y 68. 0	57. 60	56. 02	55. 79	54. 63	55. 69	55. 23	29. 87	31. 14	30. 77	31. 77	30. 50	30. 53
Y 69. 0	56. 01	54. 27	53. 94	53. 03	54. 15	53. 70	28. 66	30. 10	29. 37	30. 54	29. 19	29. 38
Y 70. 0	54. 28	52. 65	52. 20	51. 40	52. 54	52. 23	27. 61	28. 92	28. 31	29. 30	28. 02	28. 08
Y 71. 0	52. 83	51. 07	50. 78	49. 94	51. 15	50. 72	26. 44	27. 83	27. 15	28. 04	26. 82	26. 98
Y 72. 0	51. 46	49. 64	48. 86	48. 46	49. 64	49. 36	25. 40	26. 84	26. 07	26. 97	25. 73	25. 91
Y 73. 0	49. 38	47. 60	46. 74	46. 39	47. 63	47. 60	24. 43	25. 75	25. 01	25. 83	24. 59	24. 88
Y 74. 0	47. 74	46. 03	45. 64	45. 08	46. 15	46. 02	23. 60	24. 90	24. 09	24. 80	23. 81	24. 10
Y 75. 0	46. 62	44. 92	44. 60	43. 98	45. 13	44. 83	22. 51	23. 68	23. 29	23. 98	22. 79	22. 66
Y 76. 0	45. 06	43. 66	43. 32	42. 66	43. 46	43. 67	21. 23	22. 42	21. 94	22. 57	21. 49	21. 61
Y 77. 0	43. 72	42. 41	42. 29	41. 50	42. 13	41. 81	20. 53	21. 74	21. 00	21. 66	20. 72	20. 97
Y 78. 0	42. 58	41. 39	40. 83	40. 42	41. 03	40. 57	19. 93	21. 18	20. 41	21. 05	20. 09	20. 10
Y 79. 0	40. 65	39. 54	39. 53	38. 73	39. 21	39. 12	18. 61	19. 74	19. 34	19. 93	18. 96	19. 11
Y 80. 0	39. 28	38. 35	38. 30	37. 41	37. 83	37. 59	17. 98	18. 92	18. 33	19. 18	18. 22	18. 51
Y 81. 0	38. 22	37. 26	36. 79	36. 33	36. 89	36. 40	16. 99	18. 01	17. 70	18. 49	17. 56	17. 03
Y 82. 0	36. 37	35. 55	35. 68	34. 72	35. 20	34. 97	15. 85	16. 75	16. 45	16. 98	16. 19	16. 18
Y 83. 0	35. 34	34. 52	34. 52	33. 67	34. 14	33. 74	15. 09	15. 99	15. 48	16. 18	15. 42	15. 71
Y 84. 0	34. 20	33. 39	33. 30	32. 47	33. 09	32. 75	14. 13	14. 85	14. 88	15. 48	14. 56	14. 41
Y 85. 0	33. 04	32. 26	32. 29	31. 45	32. 00	31. 47	13. 47	14. 07	13. 77	14. 39	13. 68	13. 80
Y 86. 0	32. 11	31. 31	31. 47	30. 63	31. 04	30. 58	12. 92	13. 52	13. 23	13. 66	13. 04	13. 14
Y 87. 0	31. 28	30. 50	30. 61	29. 80	30. 32	29. 86	12. 19	12. 73	12. 69	13. 15	12. 44	12. 40
Y 88. 0	30. 31	29. 64	29. 51	28. 92	29. 38	29. 14	11. 72	12. 24	11. 96	12. 41	11. 81	11. 98
Y 89. 0	29. 58	28. 82	29. 06	28. 24	28. 69	28. 18	11. 41	11. 86	11. 56	11. 99	11. 43	11. 55
Y 90. 0	29. 05	28. 43	28. 50	27. 77	28. 26	27. 65	10. 98	11. 52	11. 18	11. 54	11. 08	11. 18
Y 91. 0	28. 61	27. 84	28. 11	27. 36	27. 81	27. 27	10. 61	10. 92	10. 82	11. 13	10. 65	10. 66
Y 92. 0	28. 02	27. 55	27. 68	26. 92	27. 33	26. 80	10. 50	10. 88	10. 48	10. 96	10. 49	10. 65
Y 93. 0	27. 59	27. 07	27. 21	26. 58	26. 94	26. 39	10. 54	10. 83	10. 40	10. 90	10. 44	10. 61

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Candela Tabulation - (Cont.)

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0	C210. 0	C240. 0	C270. 0	C300. 0	C330. 0
Y 94. 0	27. 28	26. 71	26. 80	26. 21	26. 58	26. 16	10. 56	10. 92	10. 48	10. 82	10. 48	10. 60
Y 95. 0	26. 81	26. 33	26. 49	25. 87	26. 21	25. 85	10. 53	11. 01	10. 53	10. 77	10. 47	10. 56
Y 96. 0	26. 53	26. 06	26. 15	25. 57	25. 86	25. 50	10. 68	11. 02	10. 59	10. 88	10. 44	10. 61
Y 97. 0	26. 23	25. 70	25. 80	25. 22	25. 62	25. 12	10. 77	11. 07	10. 69	10. 89	10. 57	10. 55
Y 98. 0	25. 96	25. 43	25. 55	24. 99	25. 36	24. 88	10. 81	11. 03	10. 69	11. 01	10. 65	10. 73
Y 99. 0	25. 68	25. 18	25. 29	24. 75	24. 97	24. 62	10. 86	11. 16	10. 83	11. 01	10. 74	10. 78
Y 100. 0	25. 43	24. 96	25. 00	24. 56	24. 84	24. 35	11. 05	11. 27	10. 93	11. 12	10. 85	10. 92
Y 101. 0	25. 24	24. 89	24. 82	24. 31	24. 52	24. 07	11. 15	11. 29	11. 08	11. 21	10. 94	10. 97
Y 102. 0	24. 97	24. 54	24. 69	24. 14	24. 38	23. 93	11. 29	11. 49	11. 13	11. 35	11. 06	11. 10
Y 103. 0	24. 76	24. 40	24. 49	24. 00	24. 15	23. 82	11. 41	11. 61	11. 28	11. 48	11. 21	11. 20
Y 104. 0	24. 62	24. 19	24. 33	23. 84	23. 96	23. 62	11. 57	11. 77	11. 48	11. 60	11. 34	11. 41
Y 105. 0	24. 43	24. 13	24. 17	23. 73	23. 85	23. 59	11. 76	11. 87	11. 69	11. 78	11. 60	11. 57
Y 106. 0	24. 31	24. 08	24. 06	23. 66	23. 76	23. 43	12. 08	12. 10	11. 94	11. 85	11. 78	11. 80
Y 107. 0	24. 27	23. 95	23. 99	23. 65	23. 71	23. 35	12. 30	12. 24	12. 12	12. 06	12. 03	11. 94
Y 108. 0	24. 29	23. 95	23. 94	23. 68	23. 72	23. 34	12. 55	12. 56	12. 31	12. 32	12. 27	12. 27
Y 109. 0	24. 18	23. 88	23. 89	23. 57	23. 66	23. 20	12. 78	12. 79	12. 65	12. 62	12. 41	12. 45
Y 110. 0	24. 13	23. 88	23. 93	23. 73	23. 63	23. 24	13. 16	12. 99	12. 94	12. 81	12. 83	12. 74
Y 111. 0	24. 17	23. 96	24. 02	23. 73	23. 65	23. 40	13. 51	13. 33	13. 29	13. 19	13. 07	13. 17
Y 112. 0	24. 16	24. 01	24. 11	23. 77	23. 79	23. 45	13. 81	13. 73	13. 61	13. 47	13. 41	13. 48
Y 113. 0	24. 18	24. 08	24. 17	23. 94	23. 93	23. 50	14. 16	14. 11	14. 06	13. 85	13. 76	13. 86
Y 114. 0	24. 30	24. 18	24. 28	24. 09	23. 96	23. 66	14. 67	14. 50	14. 45	14. 23	14. 19	14. 31
Y 115. 0	24. 42	24. 48	24. 44	24. 24	24. 19	23. 85	15. 11	14. 87	14. 77	14. 69	14. 59	14. 68
Y 116. 0	24. 58	24. 57	24. 76	24. 48	24. 42	24. 05	15. 62	15. 41	15. 26	15. 15	15. 04	15. 17
Y 117. 0	24. 78	24. 79	24. 90	24. 72	24. 60	24. 25	16. 16	15. 88	15. 79	15. 63	15. 51	15. 64
Y 118. 0	25. 09	25. 08	25. 11	25. 05	24. 87	24. 58	16. 65	16. 39	16. 25	16. 06	16. 06	16. 10
Y 119. 0	25. 44	25. 36	25. 54	25. 28	25. 15	24. 81	17. 23	16. 90	16. 77	16. 61	16. 57	16. 63
Y 120. 0	25. 69	25. 70	25. 76	25. 60	25. 47	24. 99	17. 85	17. 47	17. 39	17. 11	17. 13	17. 17
Y 121. 0	26. 00	26. 02	26. 09	25. 93	25. 77	25. 40	18. 44	18. 01	18. 01	17. 71	17. 72	17. 69
Y 122. 0	26. 35	26. 38	26. 44	26. 26	26. 24	25. 77	19. 07	18. 64	18. 54	18. 24	18. 32	18. 36
Y 123. 0	26. 68	26. 78	26. 81	26. 60	26. 49	26. 14	19. 70	19. 31	19. 20	18. 80	18. 92	18. 98
Y 124. 0	27. 04	27. 16	27. 21	26. 97	26. 91	26. 54	20. 45	19. 90	19. 88	19. 49	19. 53	19. 65
Y 125. 0	27. 50	27. 51	27. 57	27. 40	27. 25	26. 92	21. 10	20. 64	20. 49	20. 07	20. 22	20. 23
Y 126. 0	27. 88	27. 90	28. 03	27. 81	27. 65	27. 26	21. 91	21. 35	21. 23	20. 81	20. 90	20. 92
Y 127. 0	28. 24	28. 33	28. 35	28. 15	28. 05	27. 64	22. 58	22. 03	21. 83	21. 42	21. 53	21. 54
Y 128. 0	28. 69	28. 80	28. 88	28. 61	28. 43	28. 06	23. 29	22. 66	22. 50	22. 05	22. 23	22. 17
Y 129. 0	29. 10	29. 24	29. 18	29. 07	28. 92	28. 56	24. 01	23. 36	23. 16	22. 77	22. 86	22. 82
Y 130. 0	29. 57	29. 71	29. 72	29. 48	29. 36	29. 05	24. 70	24. 12	23. 82	23. 43	23. 61	23. 57
Y 131. 0	30. 05	30. 09	30. 07	29. 95	29. 80	29. 49	25. 53	24. 76	24. 53	24. 14	24. 27	24. 28
Y 132. 0	30. 49	30. 55	30. 57	30. 42	30. 18	29. 99	26. 17	25. 50	25. 30	24. 77	24. 97	24. 99
Y 133. 0	31. 04	31. 05	31. 05	30. 88	30. 69	30. 50	26. 95	26. 23	26. 05	25. 60	25. 65	25. 70
Y 134. 0	31. 50	31. 51	31. 43	31. 38	31. 15	30. 99	27. 72	26. 90	26. 71	26. 32	26. 36	26. 40
Y 135. 0	32. 01	32. 04	31. 88	31. 81	31. 64	31. 50	28. 43	27. 64	27. 40	26. 93	26. 97	27. 11
Y 136. 0	32. 42	32. 48	32. 41	32. 33	32. 03	31. 84	29. 11	28. 34	28. 05	27. 70	27. 71	27. 83
Y 137. 0	32. 98	32. 97	32. 75	32. 78	32. 47	32. 23	29. 89	29. 06	28. 76	28. 38	28. 45	28. 48
Y 138. 0	33. 44	33. 42	33. 22	33. 18	32. 92	32. 74	30. 54	29. 75	29. 45	29. 01	29. 06	29. 20
Y 139. 0	33. 99	33. 92	33. 72	33. 64	33. 34	33. 22	31. 22	30. 36	30. 11	29. 64	29. 69	29. 73
Y 140. 0	34. 47	34. 42	34. 15	34. 10	33. 76	33. 66	31. 92	30. 93	30. 70	30. 30	30. 22	30. 38

**IES Indoor Report**  
**Photometric Filename: UI-36W-COB.IES**

## Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
Y 141.0	34.96	34.90	34.55	34.54	34.24	34.13	32.58	31.57	31.31	30.95	30.92	30.90
Y 142.0	35.48	35.38	35.00	34.95	34.74	34.55	33.25	32.20	31.93	31.48	31.49	31.50
Y 143.0	35.91	35.76	35.47	35.23	35.13	35.03	33.86	32.85	32.57	32.05	32.16	32.17
Y 144.0	36.25	36.17	35.88	35.72	35.54	35.36	34.42	33.49	33.16	32.66	32.71	32.73
Y 145.0	36.52	36.57	36.18	36.03	35.94	35.84	34.90	34.14	33.76	33.19	33.17	33.25
Y 146.0	36.92	36.90	36.49	36.34	36.28	36.19	35.47	34.65	34.26	33.70	33.77	33.79
Y 147.0	37.21	37.20	36.81	36.68	36.57	36.56	35.95	35.16	34.80	34.21	34.37	34.34
Y 148.0	37.45	37.48	37.16	37.00	36.82	36.89	36.44	35.63	35.33	34.73	34.76	34.96
Y 149.0	37.68	37.69	37.38	37.19	37.07	37.14	36.79	36.21	35.72	35.19	35.24	35.33
Y 150.0	37.99	37.90	37.65	37.44	37.36	37.41	37.23	36.58	36.20	35.65	35.71	35.83
Y 151.0	38.16	38.20	37.79	37.68	37.50	37.64	37.61	36.92	36.58	35.98	36.07	36.14
Y 152.0	38.37	38.39	37.97	37.76	37.77	37.83	38.03	37.28	36.91	36.34	36.38	36.49
Y 153.0	38.56	38.59	38.07	38.01	37.94	38.03	38.33	37.60	37.28	36.71	36.73	36.77
Y 154.0	38.76	38.67	38.15	38.20	38.03	38.20	38.63	37.75	37.58	36.91	37.04	37.06
Y 155.0	38.93	38.89	38.27	38.34	38.22	38.36	38.95	38.12	37.88	37.19	37.22	37.27
Y 156.0	39.10	38.94	38.42	38.47	38.34	38.49	39.17	38.34	38.08	37.59	37.53	37.47
Y 157.0	39.23	39.08	38.51	38.63	38.44	38.62	39.41	38.59	38.40	37.81	37.65	37.71
Y 158.0	39.40	39.15	38.74	38.74	38.65	38.76	39.73	38.88	38.62	38.05	37.88	37.84
Y 159.0	39.50	39.22	38.72	38.88	38.74	38.94	39.93	39.11	38.81	38.32	38.14	38.07
Y 160.0	39.66	39.32	38.85	38.99	38.85	38.96	40.05	39.23	39.06	38.51	38.28	38.31
Y 161.0	39.78	39.38	38.87	39.20	39.04	39.08	40.31	39.44	39.33	38.69	38.47	38.51
Y 162.0	39.81	39.38	38.93	39.21	39.10	39.13	40.48	39.58	39.55	38.85	38.68	38.69
Y 163.0	39.90	39.49	39.03	39.33	39.14	39.21	40.61	39.65	39.74	39.10	38.84	38.79
Y 164.0	39.96	39.55	39.13	39.36	39.24	39.20	40.79	39.87	39.85	39.21	38.93	38.95
Y 165.0	40.02	39.63	39.15	39.43	39.30	39.37	40.96	39.86	40.07	39.38	39.08	39.04
Y 166.0	40.14	39.67	39.21	39.66	39.39	39.30	41.07	39.97	40.21	39.57	39.19	39.21
Y 167.0	40.13	39.74	39.31	39.78	39.49	39.42	41.11	40.08	40.36	39.61	39.32	39.26
Y 168.0	40.25	39.84	39.36	39.85	39.63	39.51	41.22	40.25	40.44	39.77	39.47	39.37
Y 169.0	40.34	39.93	39.47	40.12	39.74	39.54	41.17	40.24	40.57	39.94	39.54	39.42
Y 170.0	40.43	39.98	39.54	40.20	39.78	39.64	41.31	40.35	40.63	40.10	39.60	39.55
Y 171.0	40.55	40.07	39.69	40.35	39.92	39.70	41.36	40.44	40.78	40.19	39.70	39.61
Y 172.0	40.66	40.24	39.92	40.51	40.01	39.90	41.42	40.51	40.98	40.40	39.88	39.64
Y 173.0	40.71	40.35	40.02	40.71	40.20	39.96	41.44	40.64	41.06	40.50	39.96	39.83
Y 174.0	40.90	40.55	40.34	41.02	40.28	40.03	41.55	40.70	41.21	40.74	40.00	39.92
Y 175.0	41.15	40.68	40.41	41.14	40.44	40.22	41.67	40.78	41.26	40.85	40.17	40.11
Y 176.0	41.27	40.78	40.69	41.21	40.58	40.42	41.67	40.85	41.31	41.04	40.37	40.21
Y 177.0	41.44	40.93	40.96	41.54	40.69	40.44	41.82	40.91	41.43	41.16	40.52	40.31
Y 178.0	41.64	41.08	41.16	41.65	40.76	40.57	41.92	41.01	41.45	41.34	40.65	40.33
Y 179.0	41.72	41.27	41.33	41.72	40.84	40.62	41.90	41.05	41.46	41.54	40.82	40.44
Y 180.0	41.32	41.32	41.32	41.32	41.32	41.32	41.32	41.32	41.32	41.32	41.32	41.32