

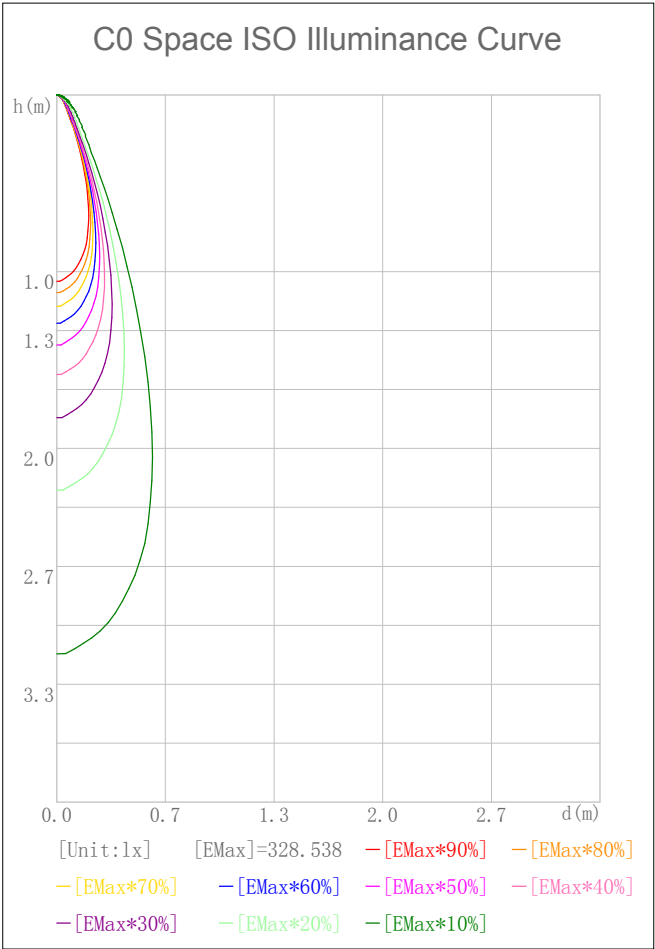
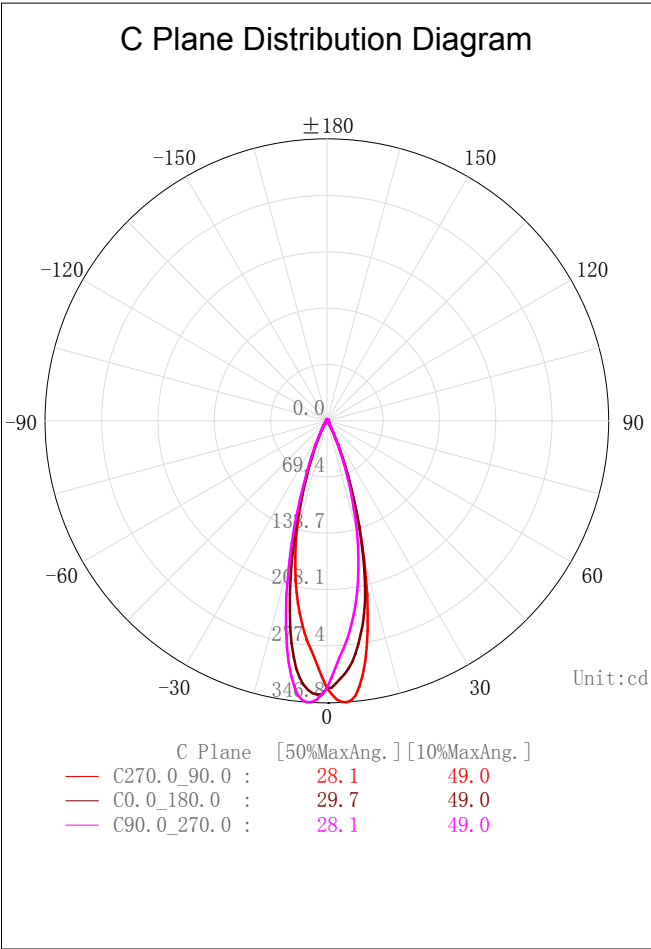
Indoor Luminaire Photometric Data

Description Information

Luminary Name:		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2017/05/22
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.050m*-0.050m*0.000m		Lum. Area (m2):0.002	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%):

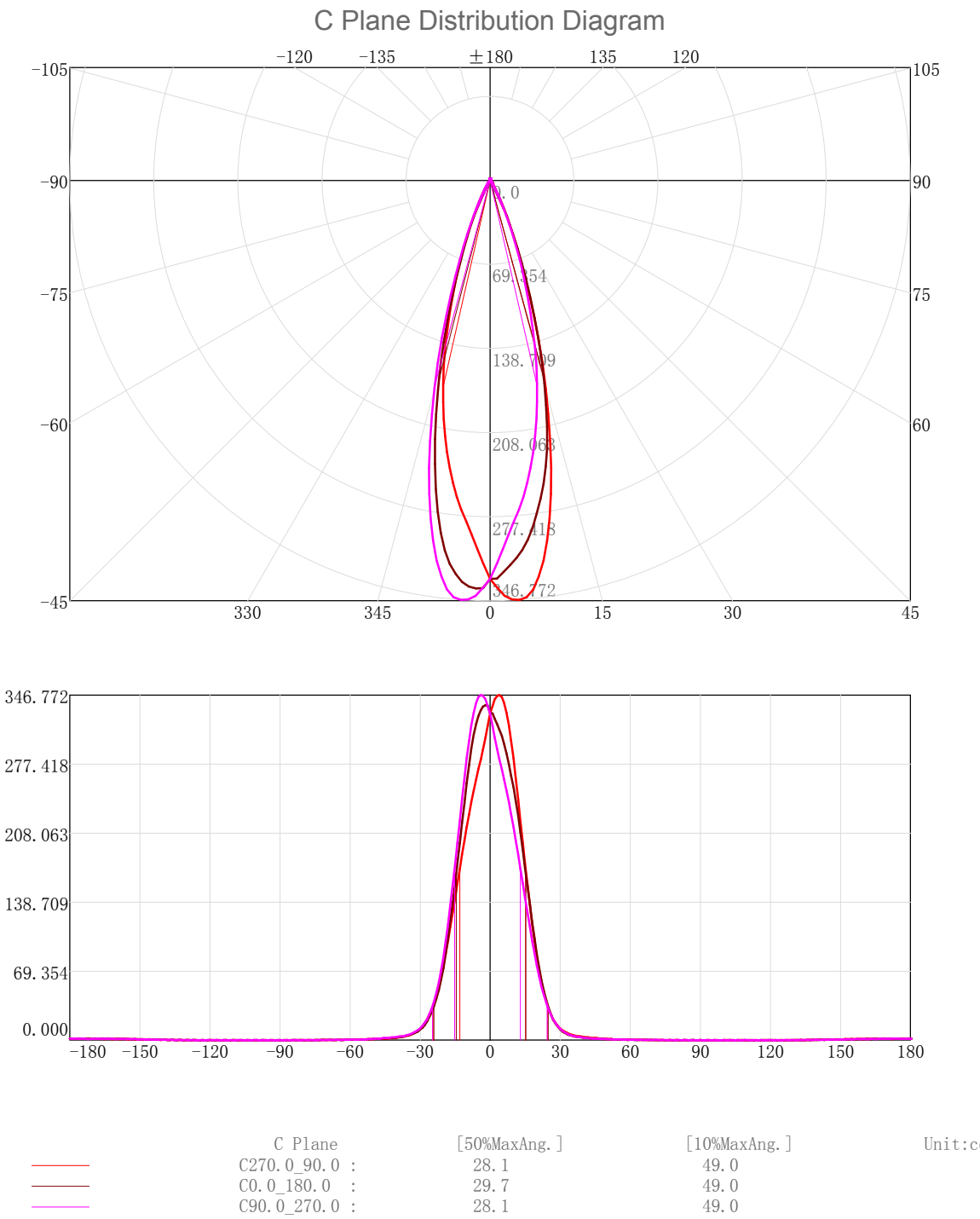
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1000.000	Luminary Flux(lm): 95.702	Field Angle(10%Imax): 49.0(°)
Rated Power(W):	Luminary Efficiency: 9.57%	Down Lumens&Percent: 93.478lm 97.68%
Rated Voltage(V):	Luminary EER(lm/W): 61.983	Up Lumens&Percent: 2.224lm 2.32%
Tested Power(W): 1.544	Max. Candela(cd): 346.772	S/MH: C0_a180=0.507 C90_270=0.489
Lamps' Inside: 1	Max Cand@Ang. (°): C=270.0 γ=4.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):24.0, 0.064	Beam Angle(50%Imax): 28.1(°)	ErP ϕuse(90°): 90.756lm
Lamp Size (W*L*H):0.050m*-0.050m*0.000m	Left=-12.9°, Right=15.2°	IRF (%): 758.457



2D Plane Light Intensity Distribution Curve

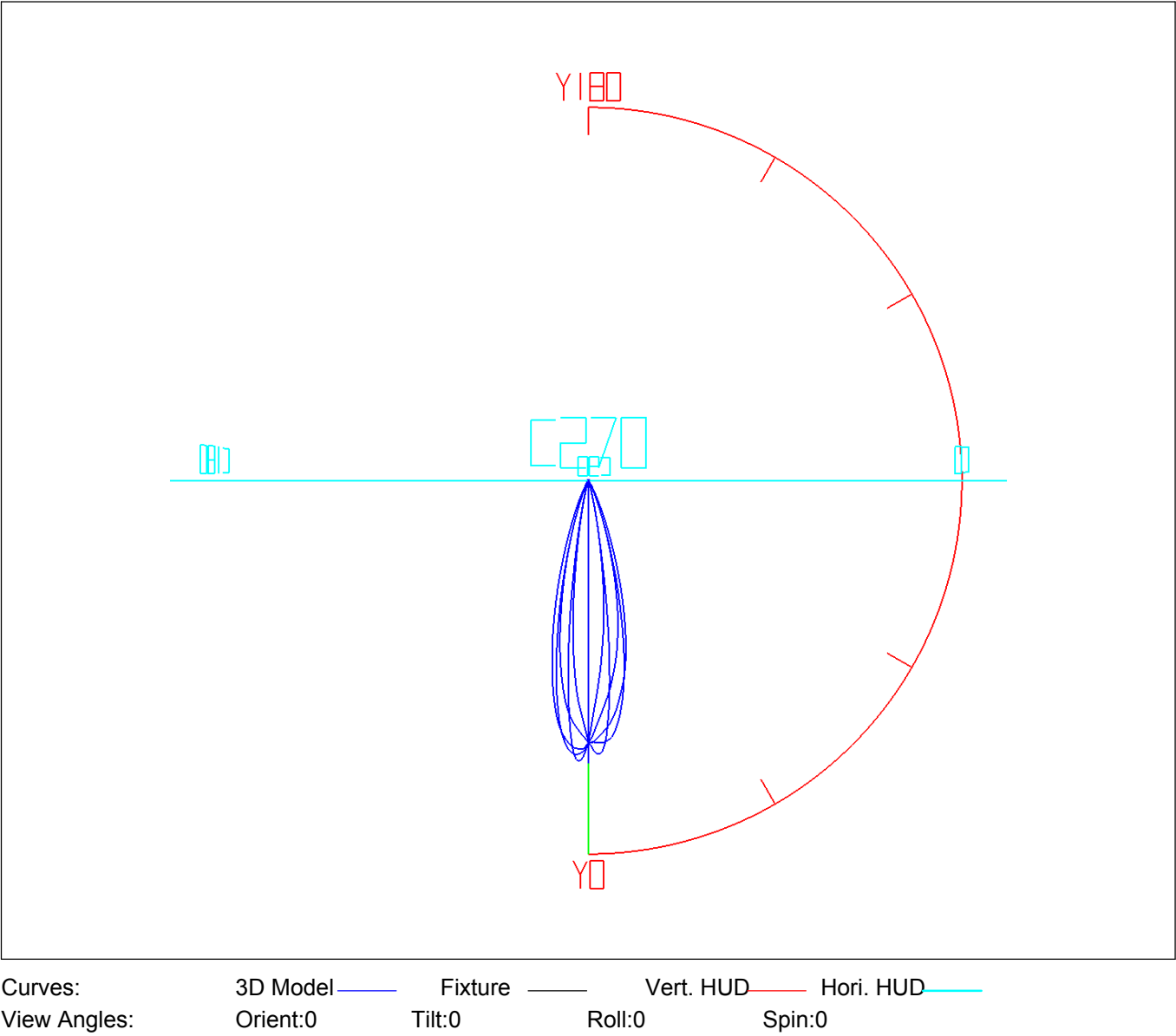
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22

3D Light Intensity Distribution Modal

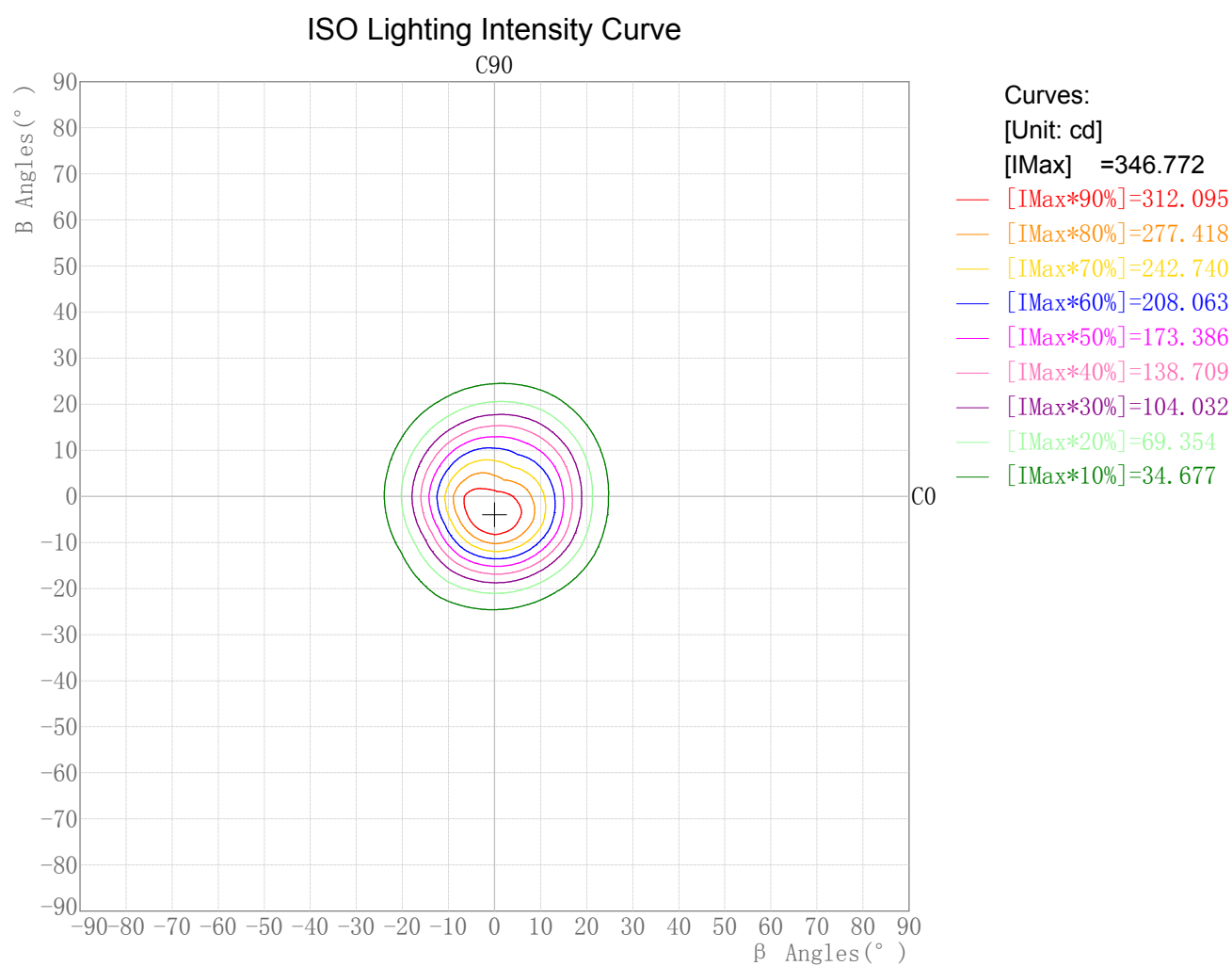


Zonal Flux Tabulation

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	0.31	0.31	0.03	0.03	47.0-48.0	0.12	91.71	0.01	9.17
1.0-2.0	0.93	1.25	0.09	0.12	48.0-49.0	0.12	91.83	0.01	9.18
2.0-3.0	1.54	2.79	0.15	0.28	49.0-50.0	0.11	91.94	0.01	9.19
3.0-4.0	2.13	4.92	0.21	0.49	50.0-51.0	0.10	92.04	0.01	9.20
4.0-5.0	2.69	7.61	0.27	0.76	51.0-52.0	0.10	92.14	0.01	9.21
5.0-6.0	3.22	10.83	0.32	1.08	52.0-53.0	0.09	92.23	0.01	9.22
6.0-7.0	3.69	14.51	0.37	1.45	53.0-54.0	0.08	92.31	0.01	9.23
7.0-8.0	4.09	18.61	0.41	1.86	54.0-55.0	0.08	92.39	0.01	9.24
8.0-9.0	4.42	23.02	0.44	2.30	55.0-56.0	0.07	92.46	0.01	9.25
9.0-10.0	4.67	27.69	0.47	2.77	56.0-57.0	0.07	92.53	0.01	9.25
10.0-11.0	4.84	32.53	0.48	3.25	57.0-58.0	0.06	92.59	0.01	9.26
11.0-12.0	4.93	37.46	0.49	3.75	58.0-59.0	0.06	92.65	0.01	9.26
12.0-13.0	4.94	42.40	0.49	4.24	59.0-60.0	0.05	92.70	0.01	9.27
13.0-14.0	4.86	47.26	0.49	4.73	60.0-61.0	0.05	92.76	0.01	9.28
14.0-15.0	4.71	51.97	0.47	5.20	61.0-62.0	0.05	92.81	0.01	9.28
15.0-16.0	4.50	56.47	0.45	5.65	62.0-63.0	0.05	92.85	0.00	9.29
16.0-17.0	4.22	60.69	0.42	6.07	63.0-64.0	0.05	92.90	0.00	9.29
17.0-18.0	3.90	64.60	0.39	6.46	64.0-65.0	0.04	92.94	0.00	9.29
18.0-19.0	3.55	68.15	0.36	6.81	65.0-66.0	0.04	92.98	0.00	9.30
19.0-20.0	3.19	71.34	0.32	7.13	66.0-67.0	0.04	93.02	0.00	9.30
20.0-21.0	2.82	74.16	0.28	7.42	67.0-68.0	0.04	93.06	0.00	9.31
21.0-22.0	2.48	76.64	0.25	7.66	68.0-69.0	0.03	93.09	0.00	9.31
22.0-23.0	2.15	78.78	0.21	7.88	69.0-70.0	0.03	93.12	0.00	9.31
23.0-24.0	1.84	80.63	0.18	8.06	70.0-71.0	0.03	93.16	0.00	9.32
24.0-25.0	1.57	82.19	0.16	8.22	71.0-72.0	0.03	93.19	0.00	9.32
25.0-26.0	1.32	83.52	0.13	8.35	72.0-73.0	0.02	93.21	0.00	9.32
26.0-27.0	1.11	84.63	0.11	8.46	73.0-74.0	0.03	93.24	0.00	9.32
27.0-28.0	0.94	85.57	0.09	8.56	74.0-75.0	0.02	93.26	0.00	9.33
28.0-29.0	0.79	86.36	0.08	8.64	75.0-76.0	0.02	93.28	0.00	9.33
29.0-30.0	0.67	87.03	0.07	8.70	76.0-77.0	0.02	93.30	0.00	9.33
30.0-31.0	0.57	87.60	0.06	8.76	77.0-78.0	0.02	93.32	0.00	9.33
31.0-32.0	0.49	88.09	0.05	8.81	78.0-79.0	0.01	93.33	0.00	9.33
32.0-33.0	0.42	88.51	0.04	8.85	79.0-80.0	0.02	93.35	0.00	9.33
33.0-34.0	0.37	88.88	0.04	8.89	80.0-81.0	0.02	93.36	0.00	9.34
34.0-35.0	0.33	89.21	0.03	8.92	81.0-82.0	0.01	93.38	0.00	9.34
35.0-36.0	0.30	89.51	0.03	8.95	82.0-83.0	0.01	93.39	0.00	9.34
36.0-37.0	0.27	89.78	0.03	8.98	83.0-84.0	0.02	93.41	0.00	9.34
37.0-38.0	0.25	90.02	0.02	9.00	84.0-85.0	0.01	93.42	0.00	9.34
38.0-39.0	0.23	90.25	0.02	9.03	85.0-86.0	0.01	93.43	0.00	9.34
39.0-40.0	0.21	90.46	0.02	9.05	86.0-87.0	0.01	93.44	0.00	9.34
40.0-41.0	0.19	90.65	0.02	9.07	87.0-88.0	0.01	93.45	0.00	9.35
41.0-42.0	0.18	90.84	0.02	9.08	88.0-89.0	0.01	93.46	0.00	9.35
42.0-43.0	0.17	91.01	0.02	9.10	89.0-90.0	0.01	93.48	0.00	9.35
43.0-44.0	0.16	91.16	0.02	9.12	90.0-91.0	0.01	93.49	0.00	9.35
44.0-45.0	0.15	91.31	0.02	9.13	91.0-92.0	0.01	93.50	0.00	9.35
45.0-46.0	0.14	91.46	0.01	9.15	92.0-93.0	0.01	93.51	0.00	9.35
46.0-47.0	0.13	91.59	0.01	9.16	93.0-94.0	0.01	93.52	0.00	9.35

Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22

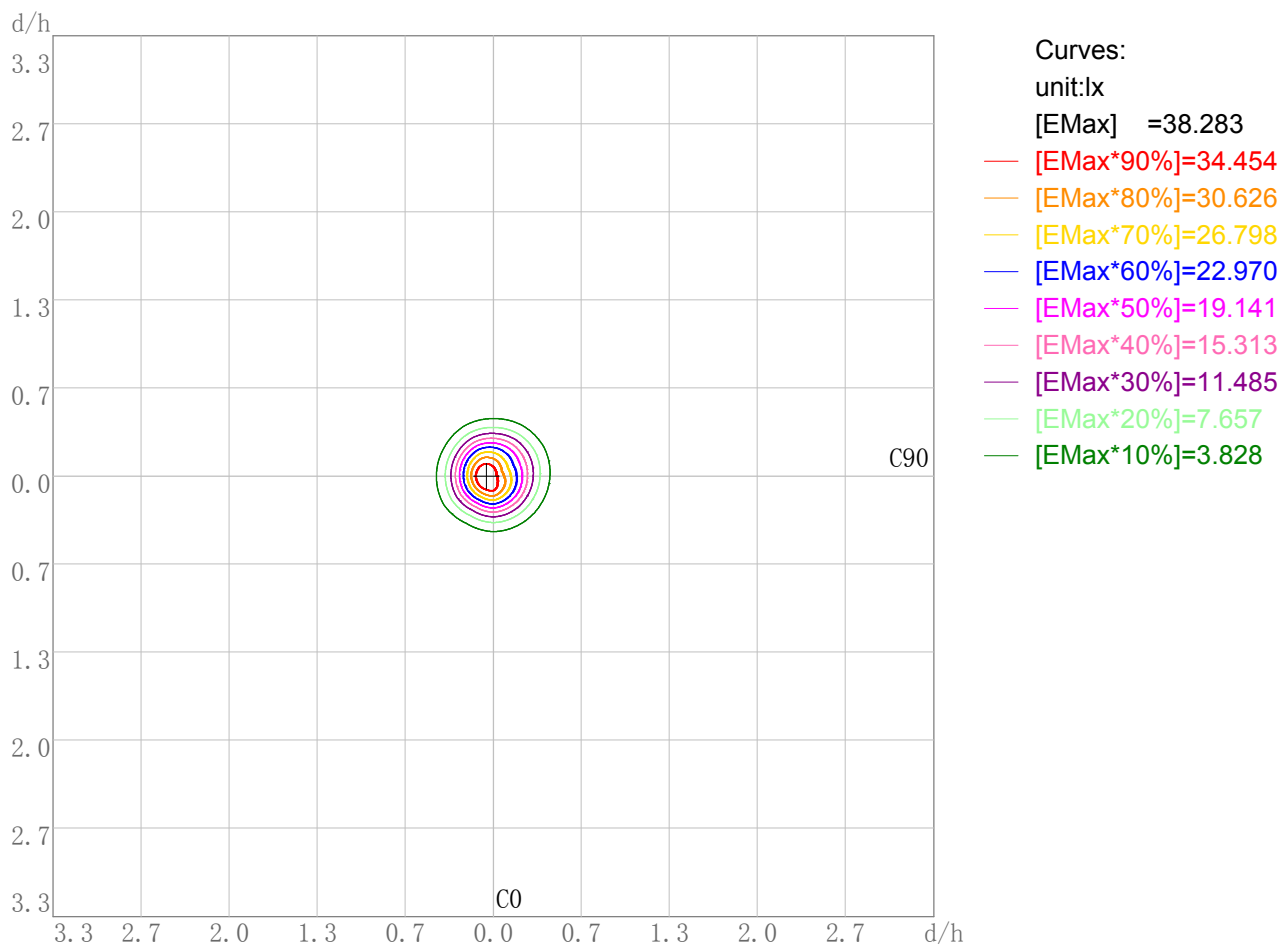


Maximum Light Intensity(cd): 346.77
Maximum Cand.@Angle: H=-0.0°,V=-4.0°

Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22

Plane ISO-Illuminance Curve

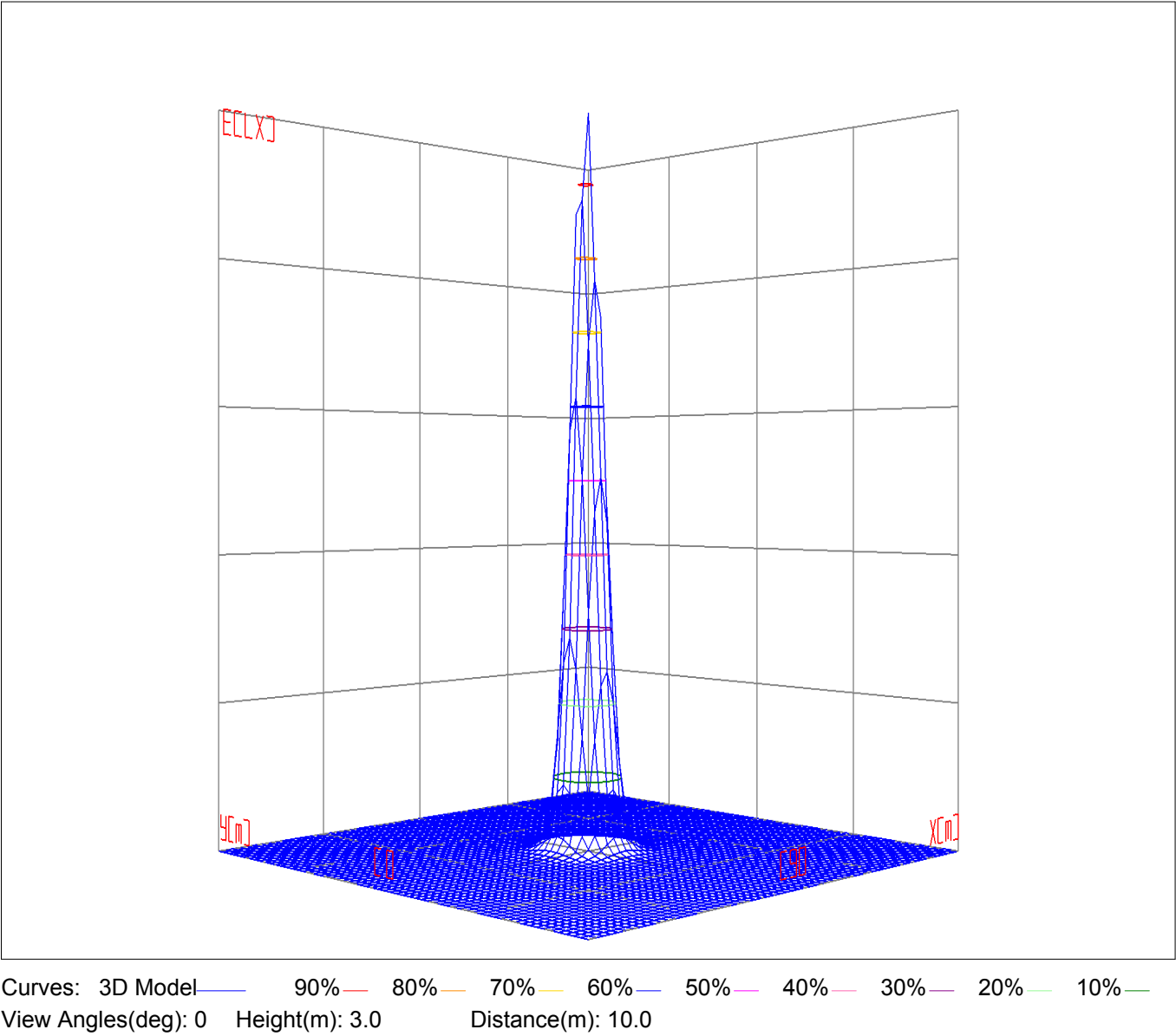


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 38.28
Working Plane Maximum Illuminance Position(d/h):H-0.1 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22

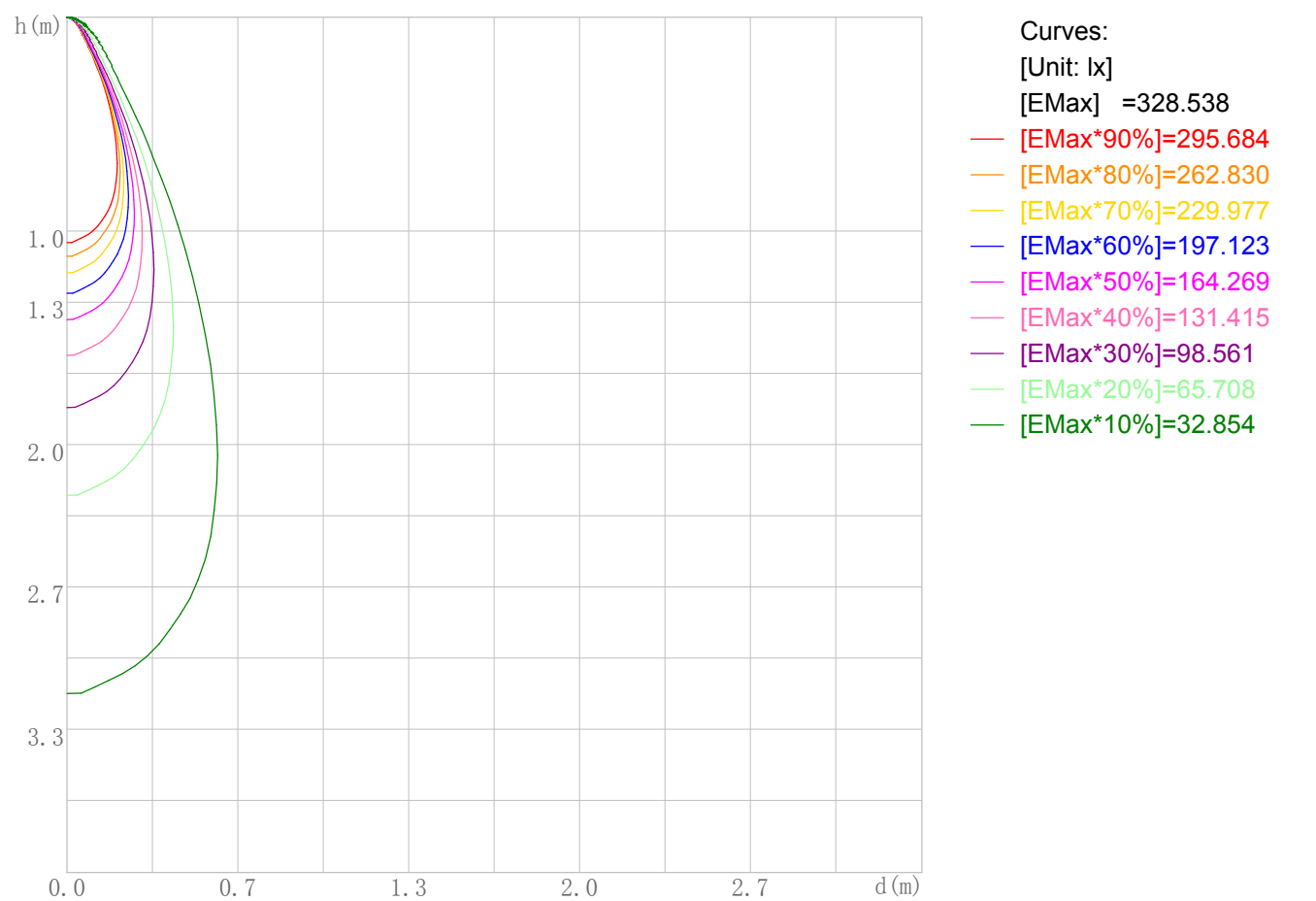
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22

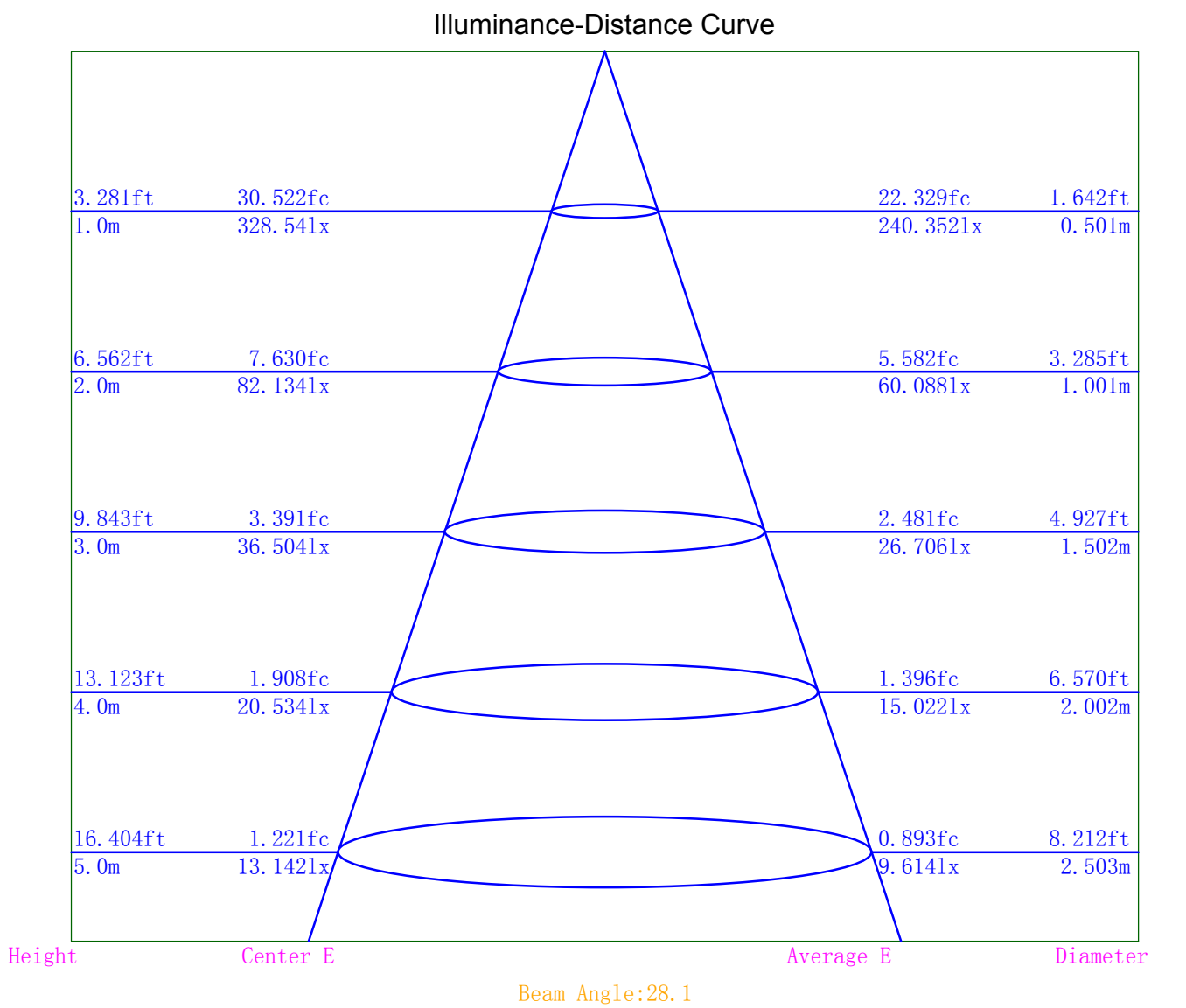
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:328.54lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:328.538cd,0deg

Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22

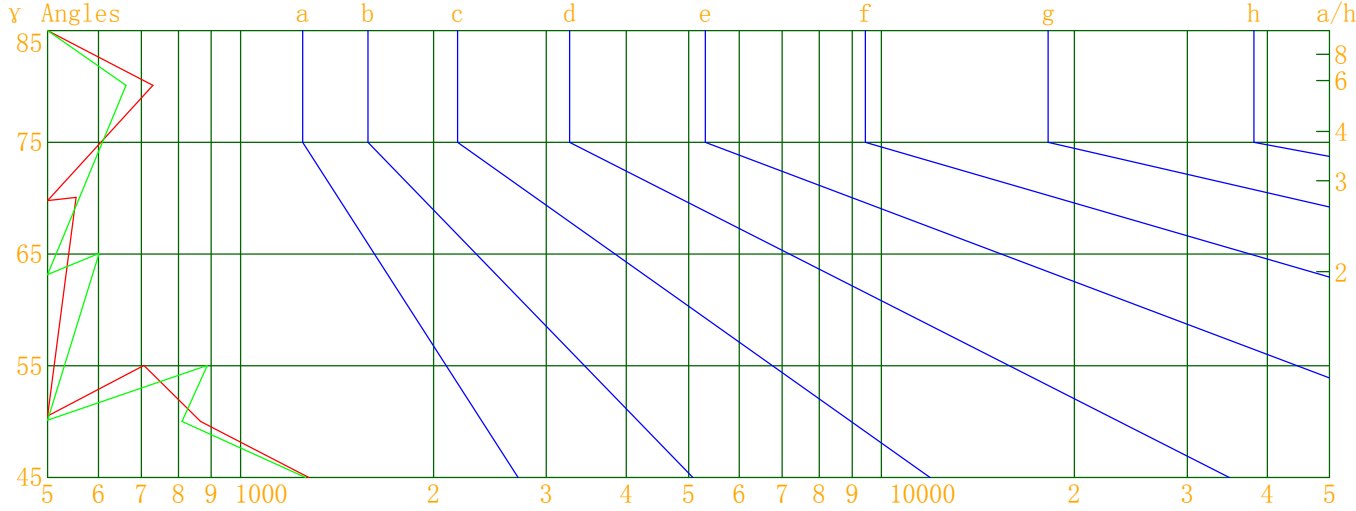
Glare Grade Table

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	1278	867	707	482	393	554	110	730	0
C90	1263	811	887	494	601	371	291	663	0

Luminance Limiting Curve



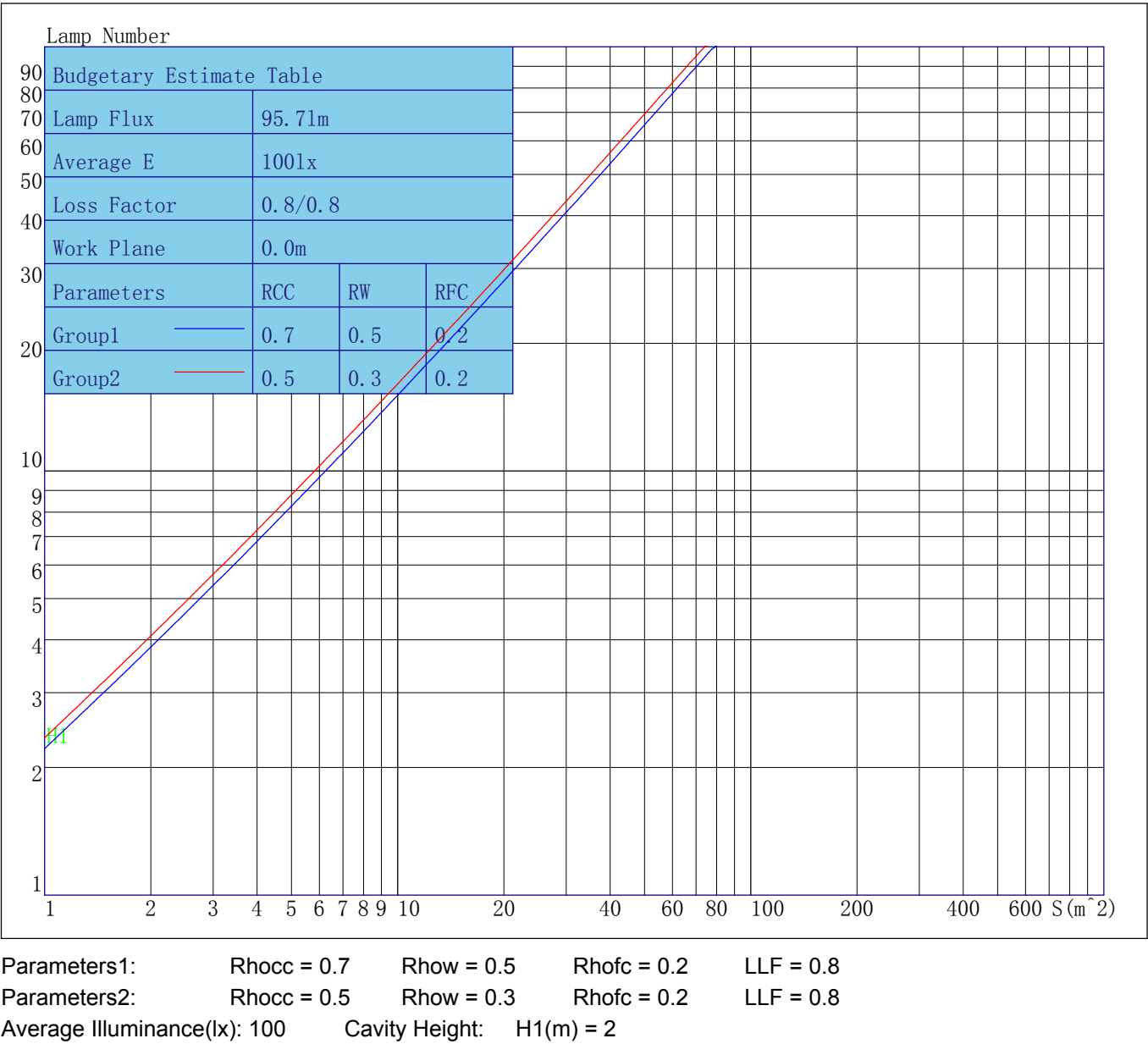
Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963

Luminous Type: Without Luminous Side

Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22

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	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	9
1	11	11	10	10	11	10	10	10	10	10	10	10	10	9	9	9	9	9
2	11	10	10	10	10	10	10	9	10	9	9	9	9	9	9	9	9	9
3	10	10	9	9	10	10	9	9	9	9	9	9	9	9	9	9	8	8
4	10	9	9	9	10	9	9	8	9	9	8	9	8	8	9	8	8	8
5	9	9	8	8	9	9	8	8	9	8	8	8	8	8	8	8	8	8
6	9	9	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	7
7	9	8	8	7	9	8	8	7	8	8	7	8	8	7	8	8	7	7
8	9	8	7	7	8	8	7	7	8	7	7	8	7	7	8	7	7	7
9	8	8	7	7	8	8	7	7	8	7	7	7	7	7	7	7	7	7
10	8	7	7	7	8	7	7	7	7	7	7	7	7	7	7	7	7	7

Unified Glare Rating Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/05/22

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	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.9	4.9
	5.1	33.5	5.1	5.1	5.1	5.5	33.9	5.5	5.5	5.5
	5.3	22.3	5.3	31.6	5.3	5.7	22.7	5.7	32.0	5.7
	5.5	19.8	5.5	25.6	5.5	6.1	20.3	6.1	26.1	6.1
	5.6	18.4	5.6	19.7	24.9	6.2	19.0	6.2	20.3	25.5
	5.8	17.5	5.8	18.3	19.5	6.5	18.2	6.5	19.0	20.2
X=4H Y=2H	4.9	21.9	4.9	31.2	4.9	5.2	22.2	5.2	31.5	5.2
	5.6	22.7	5.6	5.6	5.6	6.1	23.2	6.1	6.1	6.1
	5.9	22.2	5.9	5.9	5.9	6.4	22.7	6.4	6.4	6.4
	6.3	22.4	6.3	6.3	6.3	6.9	23.0	6.9	6.9	6.9
	6.4	19.9	6.4	28.6	6.4	7.2	20.7	7.2	29.4	7.2
	6.6	17.2	6.6	21.5	6.6	7.5	18.2	7.5	22.5	7.5
X=8H Y=4H	6.1	19.6	6.1	28.3	6.1	6.7	20.2	6.7	28.9	6.7
	6.6	24.1	6.6	6.6	14.3	7.4	24.9	7.4	7.4	15.1
	6.8	6.8	6.8	6.8	6.8	7.8	7.8	7.8	7.8	7.8
	7.1	7.1	7.1	7.1	7.1	8.3	8.3	8.3	8.3	8.3
X=12H Y=4H	6.2	16.8	6.2	21.1	6.2	6.7	17.4	6.7	21.7	6.7
	6.7	20.3	6.7	6.7	6.7	7.5	21.2	7.5	7.5	7.5
	6.9	6.9	6.9	6.9	6.9	8.0	8.0	8.0	8.0	8.0
Variations with the objverver position at spacings										
S=1.0H	0.3/-0.3					0.2/-0.2				
S=1.5H	0.8/-1.0					0.6/-0.5				
S=2.0H	2.0/-2.2					1.4/-1.3				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.4					1.9				

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

IES Indoor Report

Photometric Filename:UL-1X1.IES

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	328. 54	328. 54	328. 54	328. 54	328. 54	328. 54	328. 54	328. 54	328. 54	328. 54	328. 54	328. 54
Y 1. 0	328. 34	321. 62	314. 16	315. 91	317. 22	323. 10	336. 32	337. 11	335. 15	335. 78	330. 10	326. 87
Y 2. 0	322. 93	310. 96	301. 18	304. 06	309. 13	318. 57	336. 72	340. 64	341. 92	342. 60	334. 19	326. 44
Y 3. 0	317. 42	301. 33	288. 86	292. 21	300. 93	313. 56	335. 36	340. 86	345. 28	345. 96	336. 45	326. 43
Y 4. 0	312. 05	292. 09	278. 15	281. 97	293. 24	307. 94	331. 74	338. 20	345. 32	346. 77	336. 83	325. 11
Y 5. 0	305. 82	283. 07	267. 43	272. 52	285. 60	301. 26	325. 79	332. 59	342. 12	344. 88	334. 92	322. 35
Y 6. 0	297. 96	274. 29	257. 26	262. 41	276. 16	292. 54	317. 88	324. 16	335. 23	339. 16	330. 68	318. 09
Y 7. 0	288. 42	264. 80	247. 15	251. 24	264. 52	281. 79	307. 35	312. 86	323. 99	329. 18	322. 80	310. 47
Y 8. 0	277. 18	254. 15	235. 60	239. 24	251. 62	268. 04	293. 17	297. 80	309. 17	316. 47	311. 61	300. 22
Y 9. 0	265. 73	243. 33	223. 53	226. 92	237. 59	253. 23	276. 63	279. 21	291. 80	300. 70	297. 17	288. 44
Y 10. 0	254. 05	232. 22	212. 05	213. 96	223. 73	237. 13	258. 34	260. 28	273. 48	283. 10	281. 24	274. 96
Y 11. 0	240. 35	220. 27	201. 57	200. 69	208. 62	220. 21	238. 18	239. 26	254. 42	263. 09	263. 76	259. 65
Y 12. 0	225. 90	207. 00	190. 13	186. 59	192. 61	201. 90	218. 19	216. 91	234. 11	242. 19	245. 01	243. 06
Y 13. 0	209. 23	193. 85	178. 38	172. 11	176. 14	183. 28	198. 22	194. 72	213. 35	220. 41	224. 53	224. 61
Y 14. 0	190. 83	179. 82	165. 10	157. 74	159. 13	165. 31	177. 92	173. 95	192. 46	198. 25	203. 90	205. 27
Y 15. 0	173. 07	164. 81	151. 60	143. 21	141. 62	147. 25	157. 96	153. 04	172. 17	177. 42	182. 32	184. 79
Y 16. 0	155. 11	149. 46	138. 01	128. 51	125. 07	129. 95	138. 65	133. 44	151. 75	156. 53	161. 27	165. 06
Y 17. 0	136. 59	134. 34	124. 26	114. 08	109. 44	113. 10	120. 22	114. 94	132. 01	135. 96	140. 63	145. 82
Y 18. 0	118. 92	118. 65	110. 40	100. 00	94. 93	97. 37	102. 82	97. 79	113. 85	116. 66	120. 64	126. 96
Y 19. 0	102. 54	102. 97	97. 15	87. 29	81. 47	82. 93	86. 85	82. 46	97. 49	99. 64	102. 25	108. 41
Y 20. 0	86. 96	88. 44	84. 27	75. 36	69. 57	70. 06	72. 46	68. 81	82. 42	83. 74	85. 55	91. 75
Y 21. 0	72. 71	75. 21	72. 50	63. 98	58. 64	58. 50	60. 63	56. 93	69. 33	69. 83	70. 76	76. 92
Y 22. 0	60. 59	63. 58	61. 90	54. 04	48. 81	48. 38	50. 36	46. 58	57. 98	58. 17	58. 02	63. 98
Y 23. 0	49. 73	52. 79	51. 99	45. 42	40. 42	39. 73	41. 85	38. 08	48. 18	47. 58	47. 43	52. 31
Y 24. 0	40. 37	43. 36	43. 09	37. 72	33. 14	32. 45	34. 31	31. 35	39. 97	38. 68	38. 48	42. 31
Y 25. 0	32. 76	35. 49	35. 69	31. 08	26. 86	26. 06	28. 23	25. 43	33. 23	31. 80	30. 51	34. 15
Y 26. 0	26. 00	28. 53	29. 24	25. 86	21. 51	21. 17	23. 31	20. 88	27. 48	25. 99	24. 29	27. 35
Y 27. 0	20. 64	22. 95	23. 48	21. 20	17. 50	17. 46	18. 97	17. 49	22. 76	21. 20	19. 60	22. 00
Y 28. 0	16. 83	18. 53	19. 30	17. 25	14. 15	14. 45	15. 19	14. 23	19. 25	17. 58	15. 67	17. 89
Y 29. 0	13. 69	14. 84	15. 75	14. 26	11. 27	11. 63	12. 68	11. 83	16. 17	14. 64	12. 53	14. 36
Y 30. 0	10. 86	11. 65	12. 58	11. 64	9. 24	9. 66	10. 63	10. 12	13. 40	11. 88	10. 52	11. 37
Y 31. 0	8. 90	9. 49	10. 31	9. 47	7. 79	8. 21	8. 71	8. 59	11. 53	10. 17	8. 79	9. 42
Y 32. 0	7. 41	7. 89	8. 65	7. 87	6. 39	6. 84	7. 66	7. 11	9. 99	8. 74	7. 14	7. 98
Y 33. 0	5. 97	6. 36	6. 92	6. 60	5. 41	5. 69	6. 69	6. 29	8. 47	7. 28	6. 09	6. 59
Y 34. 0	5. 16	5. 30	5. 72	5. 46	4. 89	5. 16	5. 64	5. 72	7. 28	6. 25	5. 45	5. 60
Y 35. 0	4. 69	4. 80	5. 15	4. 74	4. 33	4. 50	4. 95	4. 86	6. 59	5. 59	4. 71	5. 05
Y 36. 0	3. 94	4. 17	4. 24	4. 40	3. 74	3. 77	4. 63	4. 36	5. 59	4. 94	4. 10	4. 46
Y 37. 0	3. 46	3. 48	3. 67	3. 67	3. 40	3. 41	3. 90	4. 12	4. 86	4. 15	3. 93	3. 73
Y 38. 0	3. 41	3. 18	3. 42	3. 22	3. 24	3. 28	3. 40	3. 60	4. 57	4. 03	3. 59	3. 42
Y 39. 0	2. 97	2. 97	3. 03	3. 02	2. 72	2. 80	3. 28	3. 17	4. 08	3. 71	3. 07	3. 34
Y 40. 0	2. 45	2. 50	2. 51	2. 56	2. 41	2. 42	2. 88	3. 20	3. 54	3. 17	2. 98	2. 78
Y 41. 0	2. 48	2. 23	2. 49	2. 28	2. 42	2. 52	2. 45	2. 95	3. 44	2. 95	2. 84	2. 53
Y 42. 0	2. 24	2. 21	2. 24	2. 31	2. 22	2. 32	2. 45	2. 42	3. 16	2. 93	2. 42	2. 48
Y 43. 0	1. 81	1. 99	1. 91	1. 94	1. 79	1. 83	2. 34	2. 34	2. 72	2. 50	2. 15	2. 35
Y 44. 0	1. 85	1. 56	1. 92	1. 71	1. 73	1. 82	1. 93	2. 43	2. 59	2. 31	2. 21	1. 89
Y 45. 0	1. 77	1. 65	1. 84	1. 75	1. 83	1. 89	1. 91	2. 12	2. 52	2. 38	2. 03	1. 93
Y 46. 0	1. 36	1. 62	1. 46	1. 59	1. 47	1. 53	1. 90	1. 82	2. 12	2. 07	1. 61	1. 94

IES Indoor Report
Photometric Filename:UL-1X1.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 47. 0	1. 41	1. 28	1. 51	1. 26	1. 30	1. 40	1. 56	1. 88	1. 91	1. 62	1. 69	1. 64
Y 48. 0	1. 47	1. 15	1. 50	1. 38	1. 43	1. 54	1. 41	1. 70	2. 08	1. 73	1. 66	1. 38
Y 49. 0	1. 14	1. 27	1. 18	1. 26	1. 41	1. 40	1. 54	1. 38	1. 80	1. 63	1. 28	1. 52
Y 50. 0	1. 09	1. 18	1. 09	1. 02	1. 07	1. 09	1. 26	1. 41	1. 42	1. 30	1. 24	1. 40
Y 51. 0	1. 22	0. 93	1. 29	1. 14	1. 09	1. 27	1. 06	1. 34	1. 51	1. 12	1. 34	1. 11
Y 52. 0	0. 99	0. 88	0. 94	1. 15	1. 26	1. 23	1. 20	0. 99	1. 34	1. 26	1. 03	1. 05
Y 53. 0	0. 72	1. 02	0. 87	0. 86	1. 01	0. 92	1. 07	0. 90	1. 00	0. 95	0. 84	1. 08
Y 54. 0	0. 92	0. 83	0. 98	0. 85	0. 82	0. 80	0. 76	1. 01	1. 06	0. 73	1. 01	0. 79
Y 55. 0	0. 80	0. 60	0. 82	1. 00	0. 98	1. 04	0. 92	0. 77	1. 03	0. 86	0. 86	0. 67
Y 56. 0	0. 57	0. 82	0. 66	0. 69	0. 95	0. 80	0. 85	0. 54	0. 70	0. 83	0. 59	0. 93
Y 57. 0	0. 68	0. 75	0. 84	0. 59	0. 69	0. 63	0. 53	0. 72	0. 73	0. 53	0. 73	0. 80
Y 58. 0	0. 64	0. 41	0. 74	0. 76	0. 70	0. 72	0. 65	0. 63	0. 84	0. 62	0. 76	0. 45
Y 59. 0	0. 35	0. 46	0. 48	0. 68	0. 80	0. 79	0. 73	0. 34	0. 53	0. 96	0. 42	0. 61
Y 60. 0	0. 47	0. 65	0. 70	0. 49	0. 72	0. 51	0. 41	0. 50	0. 56	0. 51	0. 49	0. 70
Y 61. 0	0. 58	0. 49	0. 64	0. 64	0. 45	0. 52	0. 50	0. 63	0. 73	0. 44	0. 65	0. 44
Y 62. 0	0. 38	0. 31	0. 41	0. 63	0. 65	0. 73	0. 65	0. 30	0. 45	0. 58	0. 46	0. 38
Y 63. 0	0. 37	0. 56	0. 49	0. 30	0. 71	0. 49	0. 35	0. 30	0. 41	0. 55	0. 31	0. 59
Y 64. 0	0. 56	0. 48	0. 59	0. 55	0. 36	0. 35	0. 31	0. 50	0. 63	0. 31	0. 56	0. 43
Y 65. 0	0. 33	0. 20	0. 31	0. 50	0. 45	0. 65	0. 61	0. 32	0. 54	0. 42	0. 44	0. 25
Y 66. 0	0. 20	0. 31	0. 35	0. 17	0. 59	0. 50	0. 41	0. 25	0. 34	0. 45	0. 28	0. 47
Y 67. 0	0. 52	0. 47	0. 55	0. 37	0. 49	0. 26	0. 20	0. 44	0. 54	0. 27	0. 41	0. 48
Y 68. 0	0. 31	0. 32	0. 25	0. 49	0. 23	0. 47	0. 36	0. 31	0. 44	0. 17	0. 49	0. 22
Y 69. 0	0. 14	0. 13	0. 25	0. 20	0. 45	0. 51	0. 45	0. 10	0. 21	0. 47	0. 25	0. 25
Y 70. 0	0. 37	0. 36	0. 51	0. 25	0. 49	0. 26	0. 16	0. 25	0. 41	0. 38	0. 23	0. 47
Y 71. 0	0. 29	0. 38	0. 22	0. 45	0. 28	0. 31	0. 34	0. 37	0. 44	0. 15	0. 46	0. 27
Y 72. 0	0. 06	0. 13	0. 18	0. 15	0. 27	0. 42	0. 43	0. 08	0. 16	0. 31	0. 26	0. 16
Y 73. 0	0. 28	0. 22	0. 33	0. 18	0. 44	0. 27	0. 12	0. 19	0. 24	0. 39	0. 05	0. 29
Y 74. 0	0. 28	0. 33	0. 30	0. 39	0. 28	0. 19	0. 19	0. 31	0. 37	0. 20	0. 31	0. 31
Y 75. 0	0. 06	0. 15	0. 05	0. 15	0. 12	0. 38	0. 35	0. 04	0. 17	0. 08	0. 29	0. 04
Y 76. 0	0. 08	0. 02	0. 24	0. 06	0. 34	0. 26	0. 10	0. 03	0. 16	0. 35	0. 02	0. 22
Y 77. 0	0. 29	0. 20	0. 31	0. 29	0. 36	0. 09	0. 11	0. 22	0. 38	0. 15	0. 10	0. 25
Y 78. 0	0. 02	0. 25	0. 07	0. 17	0. 12	0. 23	0. 29	0. 03	0. 14	0. 00	0. 23	0. 06
Y 79. 0	0. 00	0. 00	0. 12	0. 00	0. 12	0. 32	0. 10	0. 01	0. 06	0. 15	0. 12	0. 07
Y 80. 0	0. 25	0. 04	0. 30	0. 23	0. 34	0. 08	0. 00	0. 21	0. 34	0. 28	0. 00	0. 26
Y 81. 0	0. 09	0. 22	0. 10	0. 23	0. 24	0. 11	0. 24	0. 12	0. 18	0. 09	0. 25	0. 08
Y 82. 0	0. 00	0. 11	0. 05	0. 01	0. 05	0. 37	0. 16	0. 00	0. 00	0. 00	0. 18	0. 03
Y 83. 0	0. 19	0. 00	0. 27	0. 20	0. 25	0. 07	0. 00	0. 19	0. 19	0. 22	0. 00	0. 19
Y 84. 0	0. 10	0. 09	0. 10	0. 19	0. 27	0. 05	0. 15	0. 14	0. 17	0. 19	0. 02	0. 13
Y 85. 0	0. 00	0. 22	0. 00	0. 00	0. 04	0. 27	0. 17	0. 00	0. 04	0. 00	0. 18	0. 00
Y 86. 0	0. 14	0. 00	0. 19	0. 08	0. 14	0. 19	0. 00	0. 05	0. 18	0. 04	0. 00	0. 15
Y 87. 0	0. 17	0. 00	0. 18	0. 16	0. 35	0. 04	0. 13	0. 19	0. 23	0. 31	0. 00	0. 25
Y 88. 0	0. 00	0. 17	0. 01	0. 00	0. 16	0. 15	0. 23	0. 00	0. 03	0. 03	0. 20	0. 00
Y 89. 0	0. 05	0. 11	0. 12	0. 00	0. 02	0. 26	0. 00	0. 00	0. 23	0. 00	0. 14	0. 12
Y 90. 0	0. 23	0. 00	0. 21	0. 25	0. 25	0. 04	0. 02	0. 26	0. 28	0. 23	0. 00	0. 23
Y 91. 0	0. 00	0. 07	0. 00	0. 00	0. 21	0. 03	0. 22	0. 01	0. 04	0. 05	0. 05	0. 08
Y 92. 0	0. 00	0. 16	0. 07	0. 00	0. 00	0. 24	0. 06	0. 02	0. 11	0. 00	0. 13	0. 01
Y 93. 0	0. 20	0. 00	0. 26	0. 23	0. 17	0. 14	0. 00	0. 13	0. 34	0. 13	0. 06	0. 20

IES Indoor Report
Photometric Filename:UL-1X1.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 94. 0	0. 00	0. 00	0. 08	0. 04	0. 38	0. 00	0. 21	0. 03	0. 03	0. 22	0. 00	0. 13
Y 95. 0	0. 00	0. 13	0. 00	0. 00	0. 13	0. 25	0. 04	0. 00	0. 08	0. 01	0. 25	0. 00
Y 96. 0	0. 19	0. 16	0. 23	0. 19	0. 02	0. 15	0. 00	0. 22	0. 23	0. 00	0. 19	0. 17
Y 97. 0	0. 01	0. 00	0. 16	0. 13	0. 25	0. 00	0. 19	0. 05	0. 03	0. 19	0. 00	0. 12
Y 98. 0	0. 00	0. 06	0. 00	0. 00	0. 18	0. 20	0. 18	0. 00	0. 02	0. 10	0. 19	0. 00
Y 99. 0	0. 12	0. 19	0. 14	0. 09	0. 00	0. 29	0. 00	0. 15	0. 20	0. 00	0. 17	0. 16
Y 100. 0	0. 10	0. 02	0. 28	0. 21	0. 16	0. 00	0. 12	0. 05	0. 08	0. 23	0. 00	0. 15
Y 101. 0	0. 00	0. 00	0. 00	0. 00	0. 26	0. 08	0. 22	0. 00	0. 03	0. 24	0. 00	0. 00
Y 102. 0	0. 14	0. 22	0. 01	0. 06	0. 01	0. 26	0. 00	0. 14	0. 29	0. 00	0. 25	0. 10
Y 103. 0	0. 22	0. 10	0. 24	0. 22	0. 04	0. 03	0. 09	0. 11	0. 22	0. 00	0. 17	0. 23
Y 104. 0	0. 00	0. 00	0. 11	0. 05	0. 31	0. 02	0. 21	0. 00	0. 00	0. 23	0. 00	0. 00
Y 105. 0	0. 01	0. 03	0. 00	0. 00	0. 14	0. 26	0. 00	0. 12	0. 20	0. 09	0. 06	0. 00
Y 106. 0	0. 23	0. 16	0. 20	0. 18	0. 00	0. 16	0. 01	0. 21	0. 24	0. 00	0. 22	0. 22
Y 107. 0	0. 01	0. 00	0. 18	0. 08	0. 29	0. 00	0. 24	0. 00	0. 00	0. 15	0. 00	0. 11
Y 108. 0	0. 00	0. 05	0. 02	0. 00	0. 21	0. 20	0. 05	0. 00	0. 11	0. 22	0. 00	0. 00
Y 109. 0	0. 21	0. 22	0. 11	0. 17	0. 00	0. 22	0. 00	0. 21	0. 26	0. 00	0. 18	0. 19
Y 110. 0	0. 06	0. 10	0. 30	0. 21	0. 16	0. 01	0. 19	0. 00	0. 06	0. 08	0. 21	0. 17
Y 111. 0	0. 00	0. 00	0. 06	0. 00	0. 25	0. 14	0. 11	0. 00	0. 08	0. 23	0. 00	0. 00
Y 112. 0	0. 20	0. 15	0. 03	0. 10	0. 02	0. 29	0. 00	0. 21	0. 34	0. 07	0. 06	0. 16
Y 113. 0	0. 09	0. 15	0. 16	0. 21	0. 05	0. 05	0. 21	0. 00	0. 04	0. 01	0. 26	0. 16
Y 114. 0	0. 00	0. 00	0. 15	0. 00	0. 34	0. 10	0. 14	0. 00	0. 00	0. 28	0. 03	0. 00
Y 115. 0	0. 02	0. 00	0. 00	0. 03	0. 13	0. 34	0. 00	0. 21	0. 28	0. 12	0. 00	0. 13
Y 116. 0	0. 14	0. 26	0. 18	0. 22	0. 03	0. 07	0. 12	0. 13	0. 17	0. 00	0. 24	0. 26
Y 117. 0	0. 00	0. 00	0. 22	0. 04	0. 31	0. 10	0. 26	0. 00	0. 00	0. 21	0. 26	0. 00
Y 118. 0	0. 07	0. 00	0. 07	0. 00	0. 31	0. 24	0. 00	0. 17	0. 17	0. 25	0. 08	0. 10
Y 119. 0	0. 18	0. 18	0. 04	0. 17	0. 00	0. 24	0. 04	0. 20	0. 19	0. 00	0. 10	0. 23
Y 120. 0	0. 00	0. 13	0. 24	0. 20	0. 16	0. 05	0. 29	0. 00	0. 00	0. 23	0. 33	0. 00
Y 121. 0	0. 00	0. 00	0. 21	0. 00	0. 31	0. 27	0. 06	0. 18	0. 07	0. 24	0. 15	0. 01
Y 122. 0	0. 14	0. 08	0. 00	0. 12	0. 08	0. 33	0. 08	0. 24	0. 26	0. 13	0. 00	0. 23
Y 123. 0	0. 04	0. 16	0. 17	0. 25	0. 09	0. 08	0. 29	0. 00	0. 05	0. 12	0. 23	0. 23
Y 124. 0	0. 00	0. 00	0. 24	0. 00	0. 34	0. 19	0. 09	0. 05	0. 01	0. 30	0. 27	0. 02
Y 125. 0	0. 22	0. 04	0. 04	0. 04	0. 15	0. 39	0. 00	0. 28	0. 32	0. 10	0. 03	0. 33
Y 126. 0	0. 12	0. 29	0. 05	0. 30	0. 00	0. 13	0. 38	0. 09	0. 18	0. 00	0. 04	0. 29
Y 127. 0	0. 00	0. 10	0. 30	0. 15	0. 25	0. 17	0. 18	0. 10	0. 07	0. 37	0. 32	0. 03
Y 128. 0	0. 13	0. 00	0. 19	0. 02	0. 29	0. 40	0. 09	0. 31	0. 36	0. 16	0. 24	0. 25
Y 129. 0	0. 18	0. 32	0. 05	0. 28	0. 03	0. 25	0. 31	0. 20	0. 28	0. 11	0. 05	0. 36
Y 130. 0	0. 00	0. 24	0. 21	0. 24	0. 17	0. 16	0. 27	0. 10	0. 02	0. 28	0. 30	0. 14
Y 131. 0	0. 21	0. 02	0. 34	0. 09	0. 39	0. 37	0. 05	0. 35	0. 29	0. 23	0. 34	0. 31
Y 132. 0	0. 29	0. 25	0. 11	0. 26	0. 09	0. 37	0. 34	0. 31	0. 41	0. 12	0. 09	0. 43
Y 133. 0	0. 05	0. 31	0. 15	0. 38	0. 14	0. 19	0. 43	0. 12	0. 23	0. 44	0. 17	0. 27
Y 134. 0	0. 08	0. 11	0. 41	0. 17	0. 48	0. 35	0. 11	0. 32	0. 35	0. 41	0. 42	0. 27
Y 135. 0	0. 32	0. 17	0. 32	0. 17	0. 35	0. 50	0. 35	0. 57	0. 50	0. 12	0. 35	0. 57
Y 136. 0	0. 21	0. 40	0. 19	0. 47	0. 22	0. 26	0. 55	0. 33	0. 39	0. 43	0. 22	0. 35
Y 137. 0	0. 10	0. 21	0. 33	0. 28	0. 48	0. 32	0. 32	0. 42	0. 35	0. 47	0. 44	0. 30
Y 138. 0	0. 43	0. 11	0. 52	0. 17	0. 53	0. 61	0. 38	0. 64	0. 62	0. 27	0. 51	0. 61
Y 139. 0	0. 31	0. 50	0. 27	0. 47	0. 28	0. 41	0. 67	0. 51	0. 53	0. 49	0. 36	0. 55
Y 140. 0	0. 18	0. 37	0. 24	0. 53	0. 52	0. 27	0. 52	0. 46	0. 41	0. 64	0. 39	0. 36

IES Indoor Report
Photometric Filename:UL-1X1.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	0.46	0.26	0.55	0.27	0.60	0.61	0.50	0.84	0.70	0.41	0.74	0.56
Y 142.0	0.50	0.47	0.51	0.41	0.41	0.67	0.75	0.73	0.70	0.55	0.68	0.81
Y 143.0	0.29	0.56	0.33	0.62	0.55	0.49	0.78	0.55	0.52	0.78	0.49	0.53
Y 144.0	0.49	0.31	0.62	0.53	0.84	0.63	0.61	0.82	0.76	0.54	0.73	0.57
Y 145.0	0.67	0.52	0.72	0.44	0.74	0.85	0.77	0.94	0.91	0.71	0.86	0.86
Y 146.0	0.44	0.68	0.47	0.80	0.59	0.56	0.98	0.80	0.66	0.89	0.65	0.76
Y 147.0	0.47	0.42	0.63	0.69	0.87	0.71	0.77	0.90	0.78	0.72	0.67	0.69
Y 148.0	0.84	0.58	0.85	0.56	0.85	0.90	0.85	1.08	1.06	0.88	1.05	1.04
Y 149.0	0.55	0.80	0.76	0.81	0.68	0.77	1.02	0.96	0.91	1.08	0.94	0.96
Y 150.0	0.67	0.71	0.65	0.91	0.91	0.80	0.99	0.92	0.87	0.95	0.79	0.87
Y 151.0	0.91	0.69	0.93	0.74	1.07	1.07	0.97	1.27	1.20	0.85	1.02	1.08
Y 152.0	0.86	0.97	1.00	0.80	0.86	1.06	1.26	1.18	1.12	1.26	1.14	1.17
Y 153.0	0.74	0.95	0.85	1.11	0.89	0.87	1.20	1.11	1.01	1.12	1.04	1.01
Y 154.0	1.03	0.78	0.97	0.98	1.19	1.15	1.10	1.26	1.28	1.05	1.07	1.11
Y 155.0	1.09	1.09	1.20	0.89	1.10	1.32	1.30	1.38	1.31	1.27	1.35	1.35
Y 156.0	0.87	1.13	1.06	1.16	0.98	1.08	1.43	1.18	1.09	1.23	1.26	1.25
Y 157.0	1.13	0.91	1.00	1.26	1.25	1.14	1.24	1.35	1.32	1.29	1.11	1.18
Y 158.0	1.20	1.16	1.31	1.04	1.29	1.43	1.34	1.59	1.46	1.29	1.35	1.46
Y 159.0	1.07	1.24	1.30	1.14	1.12	1.24	1.58	1.33	1.31	1.46	1.50	1.42
Y 160.0	1.16	1.10	1.14	1.43	1.37	1.25	1.40	1.35	1.35	1.23	1.25	1.31
Y 161.0	1.36	1.27	1.27	1.22	1.46	1.47	1.30	1.61	1.58	1.48	1.34	1.54
Y 162.0	1.23	1.42	1.43	1.17	1.34	1.40	1.59	1.58	1.38	1.56	1.63	1.64
Y 163.0	1.23	1.23	1.22	1.45	1.33	1.30	1.62	1.40	1.32	1.28	1.46	1.38
Y 164.0	1.52	1.30	1.27	1.42	1.65	1.52	1.39	1.65	1.62	1.49	1.34	1.45
Y 165.0	1.34	1.46	1.59	1.20	1.45	1.54	1.58	1.64	1.55	1.58	1.56	1.63
Y 166.0	1.26	1.32	1.38	1.36	1.30	1.38	1.72	1.37	1.37	1.42	1.62	1.56
Y 167.0	1.55	1.30	1.35	1.53	1.61	1.46	1.50	1.46	1.56	1.44	1.35	1.39
Y 168.0	1.50	1.53	1.62	1.28	1.58	1.63	1.46	1.69	1.70	1.69	1.46	1.63
Y 169.0	1.29	1.34	1.63	1.29	1.39	1.51	1.69	1.51	1.42	1.45	1.66	1.66
Y 170.0	1.51	1.29	1.37	1.63	1.48	1.39	1.64	1.39	1.53	1.51	1.55	1.37
Y 171.0	1.33	1.36	1.53	1.38	1.34	1.47	1.75	1.50	1.39	1.38	1.66	1.59
Y 172.0	1.48	1.31	1.39	1.52	1.48	1.34	1.73	1.42	1.49	1.23	1.48	1.46
Y 173.0	1.59	1.33	1.36	1.55	1.54	1.40	1.68	1.46	1.55	1.42	1.51	1.48
Y 174.0	1.65	1.53	1.35	1.55	1.65	1.50	1.48	1.48	1.71	1.68	1.43	1.45
Y 175.0	1.58	1.48	1.31	1.60	1.63	1.46	1.51	1.44	1.71	1.74	1.44	1.36
Y 176.0	1.37	1.40	1.64	1.32	1.45	1.50	1.67	1.76	1.35	1.41	1.76	1.65
Y 177.0	1.50	1.58	1.59	1.33	1.73	1.71	1.47	1.57	1.57	1.65	1.57	1.42
Y 178.0	1.64	1.71	1.37	1.58	1.58	1.63	1.52	1.54	1.72	1.62	1.44	1.51
Y 179.0	1.55	1.43	1.46	1.45	1.80	1.63	1.62	1.51	1.51	1.73	1.68	1.39
Y 180.0	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60