

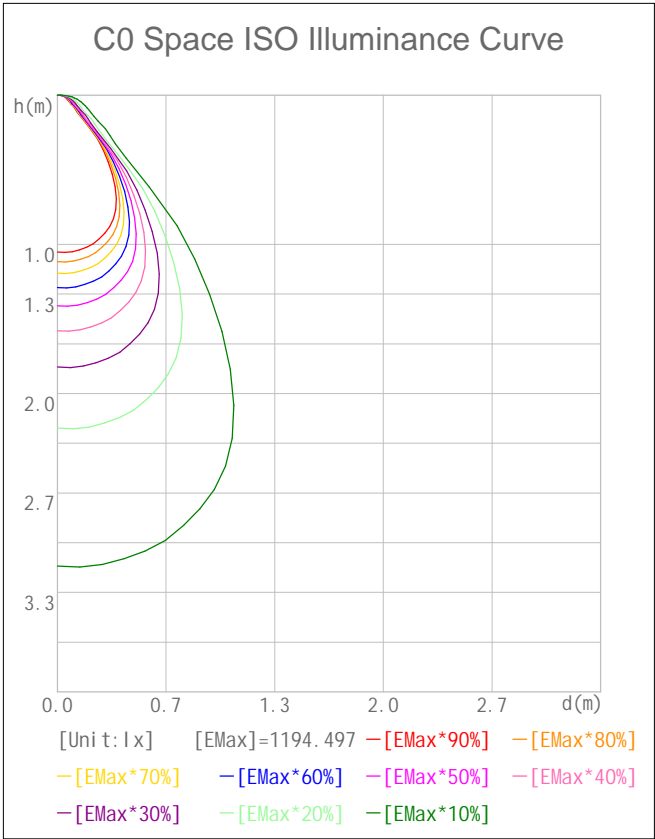
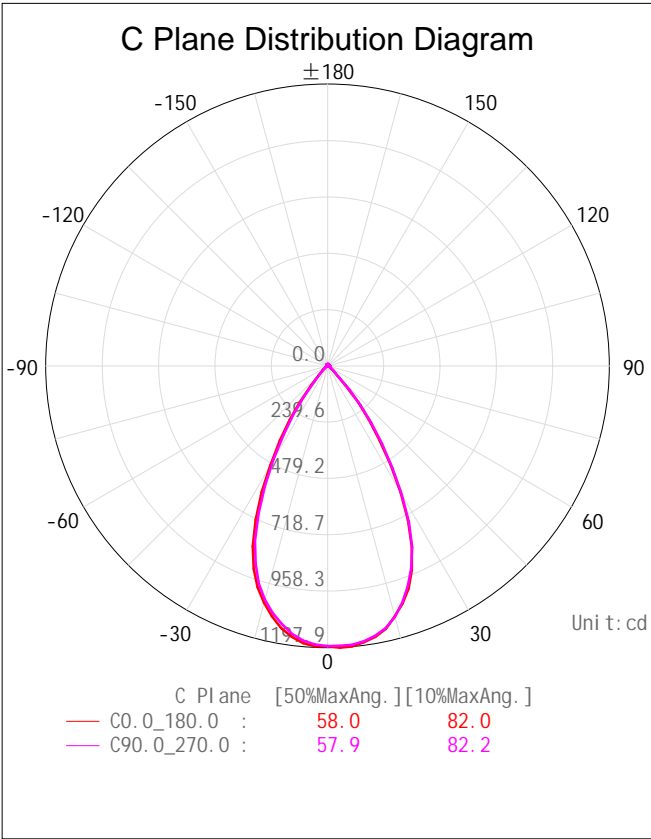
Indoor Luminaire Photometric Data

Description Information

Luminary Name: AT10021		Lum. Catalog:	Test ID:
Lamp Name: 1202		Lamp Catalog: C0B	Test Date: 2019/05/21
Manufacture:		Shld. Ang(°): 60	Test Machine: GON-2000
Test Lab: Test		Frequency(Hz): 50	Lamp CCT(K): 3000 Ra: 90
Lum. Size(W*L*H): 0.000m*0.000m*0.000m		Lum. Area(m2): 0.000	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=22.5 γ=2.5	Temp. (°C): 25	Humidity(%): 50.0

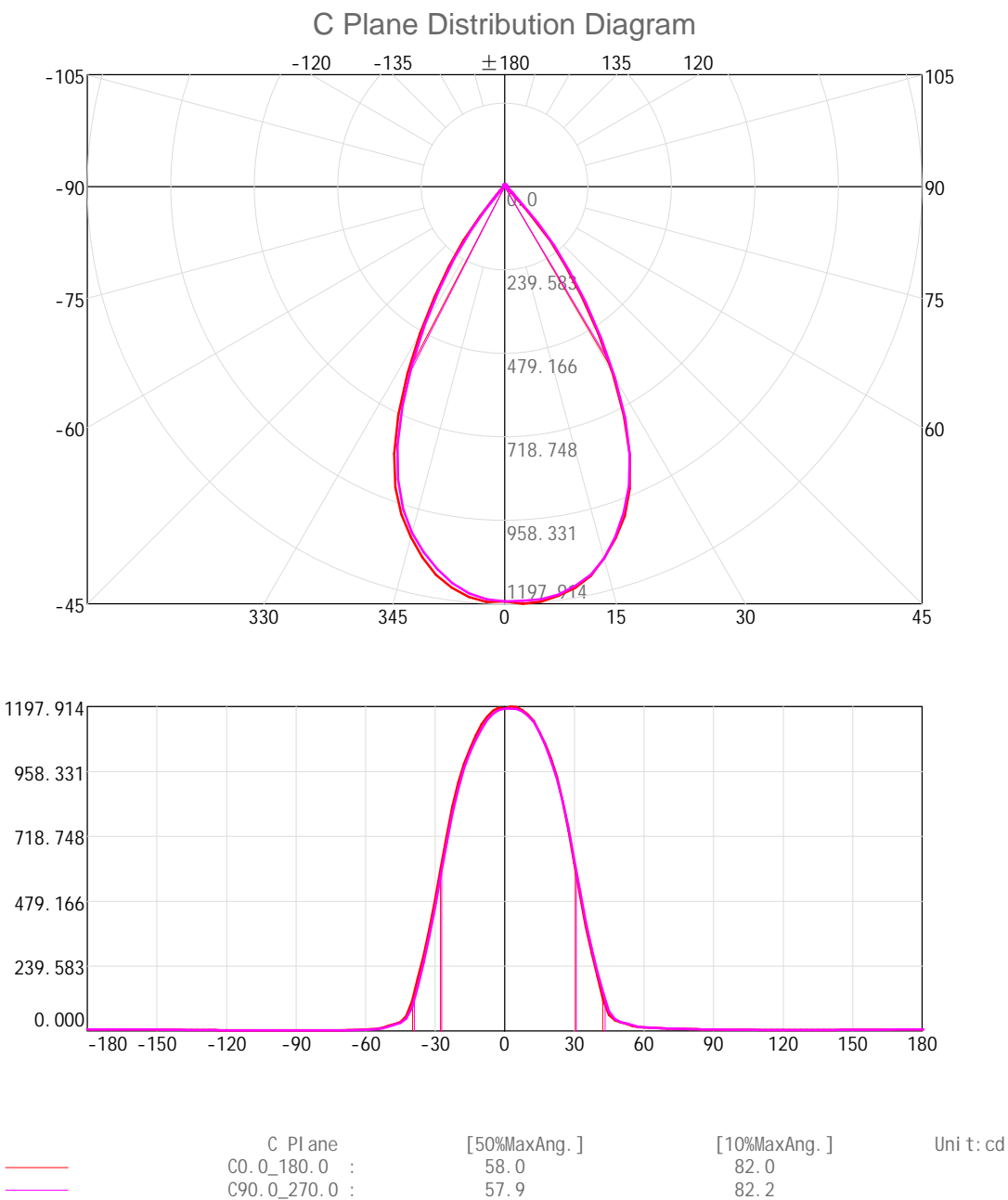
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	1450.000	Luminary Flux(lm):	1078.023
Rated Power(W):	15	Luminary Efficiency:	74.35%
Rated Voltage(V):	220	Luminary EER(lm/W):	73.585
Tested Power(W):	14.650	Max. Candela(cd):	1197.914
Lamps' Inside:	1	Max Cand@Ang. (°):	C=0.0 γ=2.5
Tested Electrics(V, A, pf):	220.5, 0.070, 0.938	Beam Angle(50%Imax):	58.0(°)
Lamp Size(W*L*H):	0.000m*0.000m*0.000m	Left=-27.6°, Right=30.4°	IRF(%): 240.565



2D Plane Light Intensity Distribution Curve

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21



3D Light Intensity Distribution Modal

Lum. Name: AT10021	Lum. Catel og:	Test ID:
Lamp Name: 1202	Lamp Catel og: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

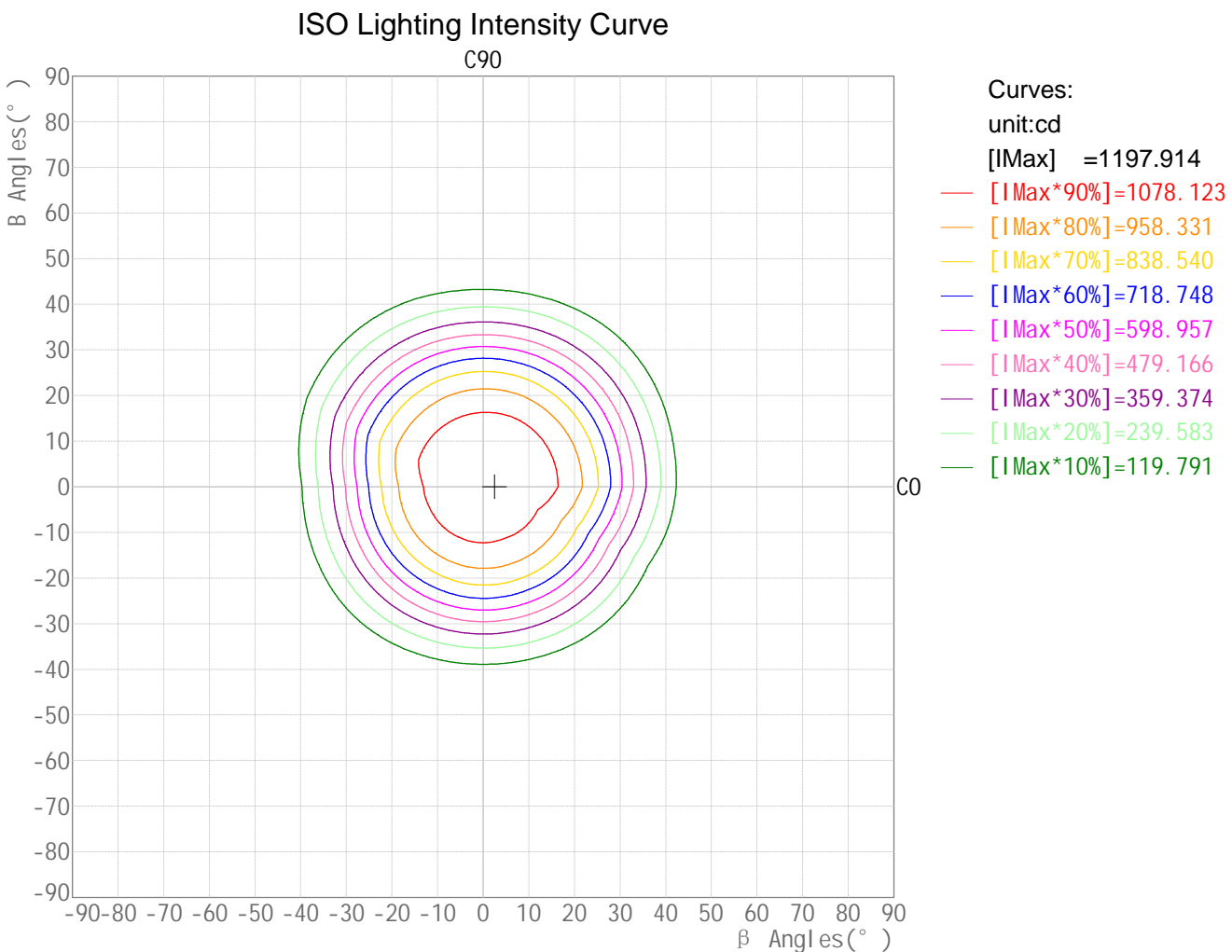
Spin:0

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
0.0-2.5	7.11	7.11	0.49	0.49	110.0-112.5	1.03	1059.22	0.07	73.05
2.5-5.0	21.25	28.37	1.47	1.96	112.5-115.0	1.01	1060.23	0.07	73.12
5.0-7.5	35.03	63.40	2.42	4.37	115.0-117.5	0.99	1061.22	0.07	73.19
7.5-10.0	48.12	111.51	3.32	7.69	117.5-120.0	0.98	1062.20	0.07	73.25
10.0-12.5	60.18	171.69	4.15	11.84	120.0-122.5	0.96	1063.16	0.07	73.32
12.5-15.0	70.88	242.57	4.89	16.73	122.5-125.0	0.95	1064.10	0.07	73.39
15.0-17.5	79.79	322.36	5.50	22.23	125.0-127.5	0.93	1065.04	0.06	73.45
17.5-20.0	86.51	408.88	5.97	28.20	127.5-130.0	0.92	1065.96	0.06	73.51
20.0-22.5	90.46	499.33	6.24	34.44	130.0-132.5	0.91	1066.87	0.06	73.58
22.5-25.0	90.84	590.17	6.27	40.70	132.5-135.0	0.90	1067.77	0.06	73.64
25.0-27.5	87.19	677.36	6.01	46.71	135.0-137.5	0.89	1068.67	0.06	73.70
27.5-30.0	79.81	757.17	5.50	52.22	137.5-140.0	0.88	1069.55	0.06	73.76
30.0-32.5	69.73	826.90	4.81	57.03	140.0-142.5	0.86	1070.41	0.06	73.82
32.5-35.0	58.12	885.02	4.01	61.04	142.5-145.0	0.84	1071.26	0.06	73.88
35.0-37.5	45.96	930.98	3.17	64.21	145.0-147.5	0.82	1072.07	0.06	73.94
37.5-40.0	33.64	964.62	2.32	66.53	147.5-150.0	0.79	1072.86	0.05	73.99
40.0-42.5	22.10	986.72	1.52	68.05	150.0-152.5	0.75	1073.61	0.05	74.04
42.5-45.0	13.35	1000.07	0.92	68.97	152.5-155.0	0.71	1074.32	0.05	74.09
45.0-47.5	8.44	1008.51	0.58	69.55	155.0-157.5	0.66	1074.98	0.05	74.14
47.5-50.0	6.24	1014.75	0.43	69.98	157.5-160.0	0.61	1075.58	0.04	74.18
50.0-52.5	4.95	1019.70	0.34	70.32	160.0-162.5	0.55	1076.13	0.04	74.22
52.5-55.0	3.86	1023.56	0.27	70.59	162.5-165.0	0.49	1076.62	0.03	74.25
55.0-57.5	3.03	1026.59	0.21	70.80	165.0-167.5	0.42	1077.04	0.03	74.28
57.5-60.0	2.55	1029.13	0.18	70.97	167.5-170.0	0.35	1077.39	0.02	74.30
60.0-62.5	2.28	1031.42	0.16	71.13	170.0-172.5	0.28	1077.66	0.02	74.32
62.5-65.0	2.08	1033.50	0.14	71.28	172.5-175.0	0.20	1077.86	0.01	74.34
65.0-67.5	1.91	1035.40	0.13	71.41	175.0-177.5	0.12	1077.98	0.01	74.34
67.5-70.0	1.78	1037.19	0.12	71.53	177.5-180.0	0.04	1078.02	0.00	74.35
70.0-72.5	1.69	1038.88	0.12	71.65					
72.5-75.0	1.62	1040.50	0.11	71.76					
75.0-77.5	1.55	1042.04	0.11	71.87					
77.5-80.0	1.48	1043.53	0.10	71.97					
80.0-82.5	1.43	1044.96	0.10	72.07					
82.5-85.0	1.38	1046.34	0.10	72.16					
85.0-87.5	1.34	1047.69	0.09	72.25					
87.5-90.0	1.30	1048.99	0.09	72.34					
90.0-92.5	1.26	1050.25	0.09	72.43					
92.5-95.0	1.23	1051.47	0.08	72.52					
95.0-97.5	1.19	1052.67	0.08	72.60					
97.5-100.0	1.16	1053.82	0.08	72.68					
100.0-102.5	1.13	1054.95	0.08	72.76					
102.5-105.0	1.10	1056.06	0.08	72.83					
105.0-107.5	1.08	1057.13	0.07	72.91					
107.5-110.0	1.05	1058.19	0.07	72.98					

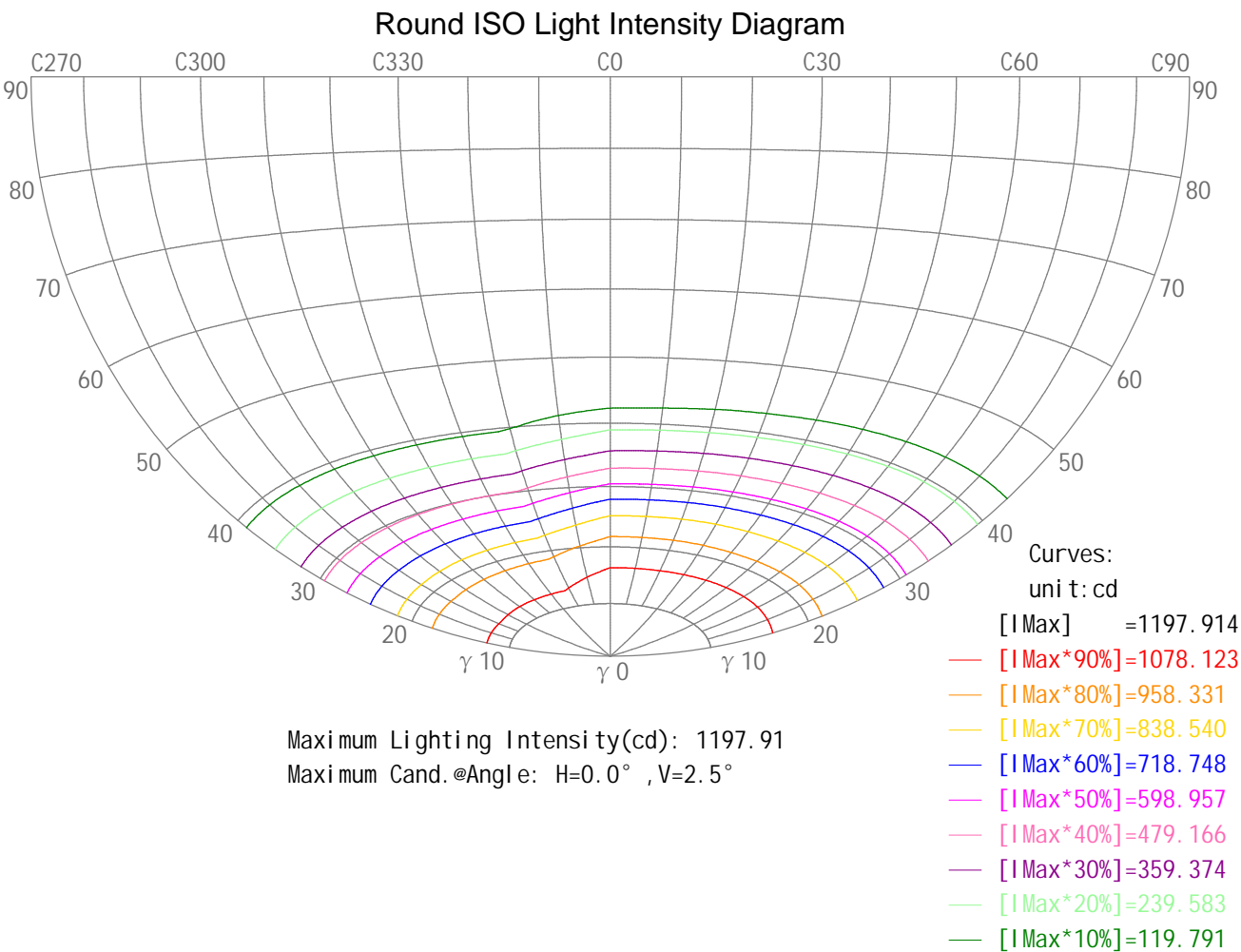
Rectangle ISO Lighting Intensity Diagram

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21



Round ISO Lighting Intensity Diagram

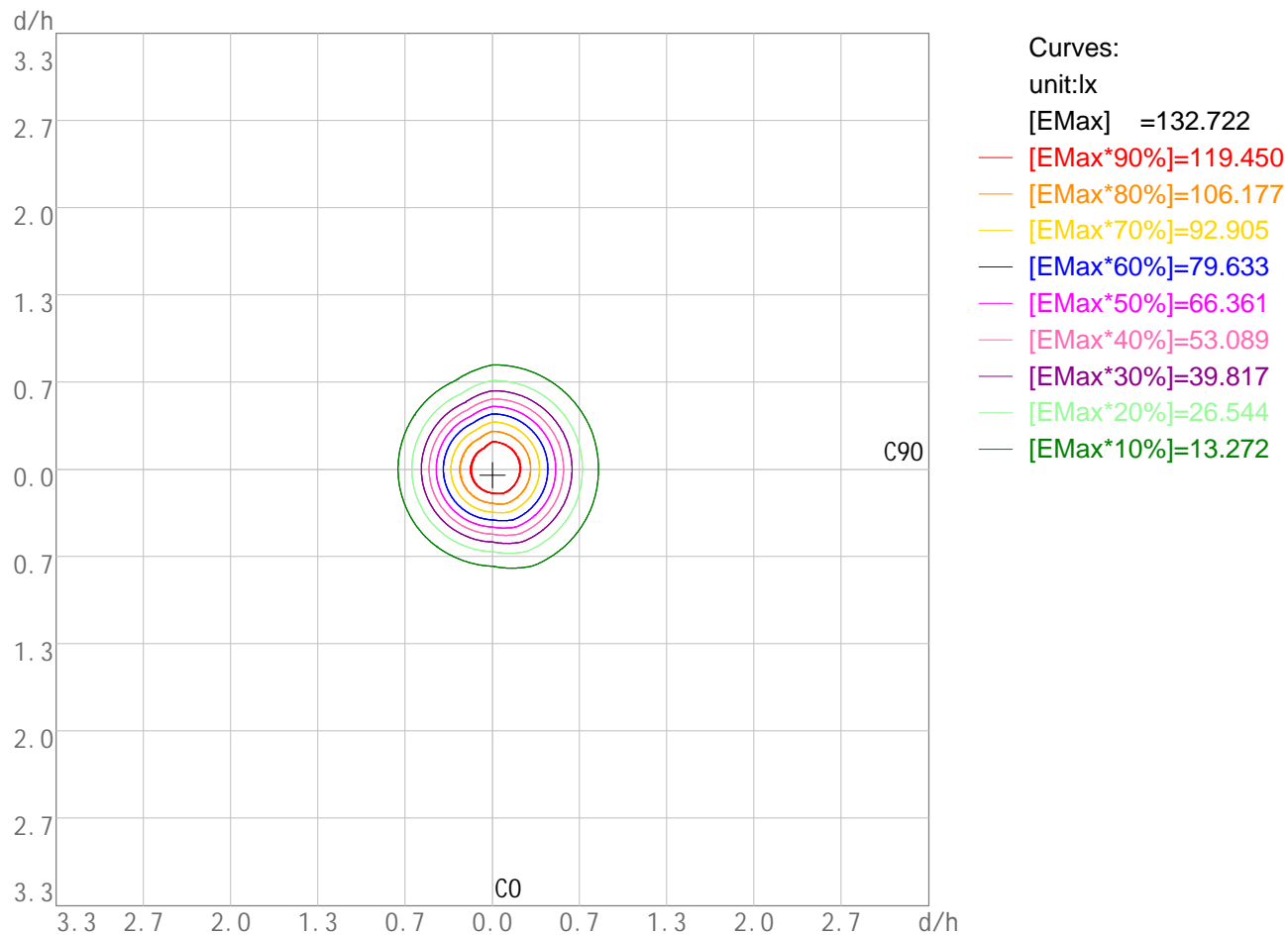
Lum. Name: AT10021	Lum. Catel og:	Test ID:
Lamp Name: 1202	Lamp Catel og: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21



Plane ISO-Illuminance Diagram

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21

Plane ISO-Illuminance Curve



3D Plane ISO Illuminance Diagram

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21

3D Plane Illuminance Model



Curves: 3D Model— 90%— 80%— 70%— 60%— 50%— 40%— 30%— 20%— 10%—

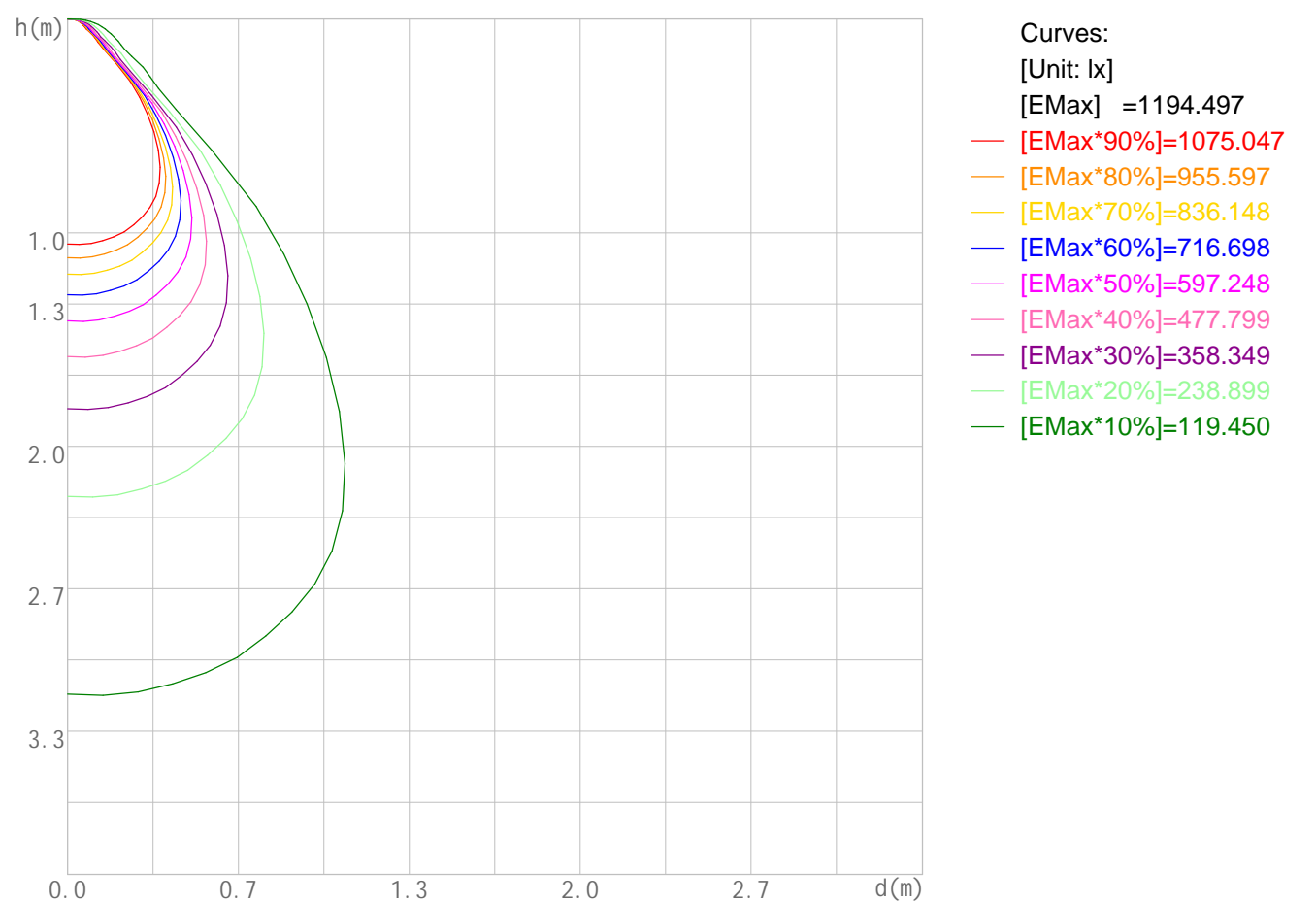
View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0



Space ISO Illuminance Diagram

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21

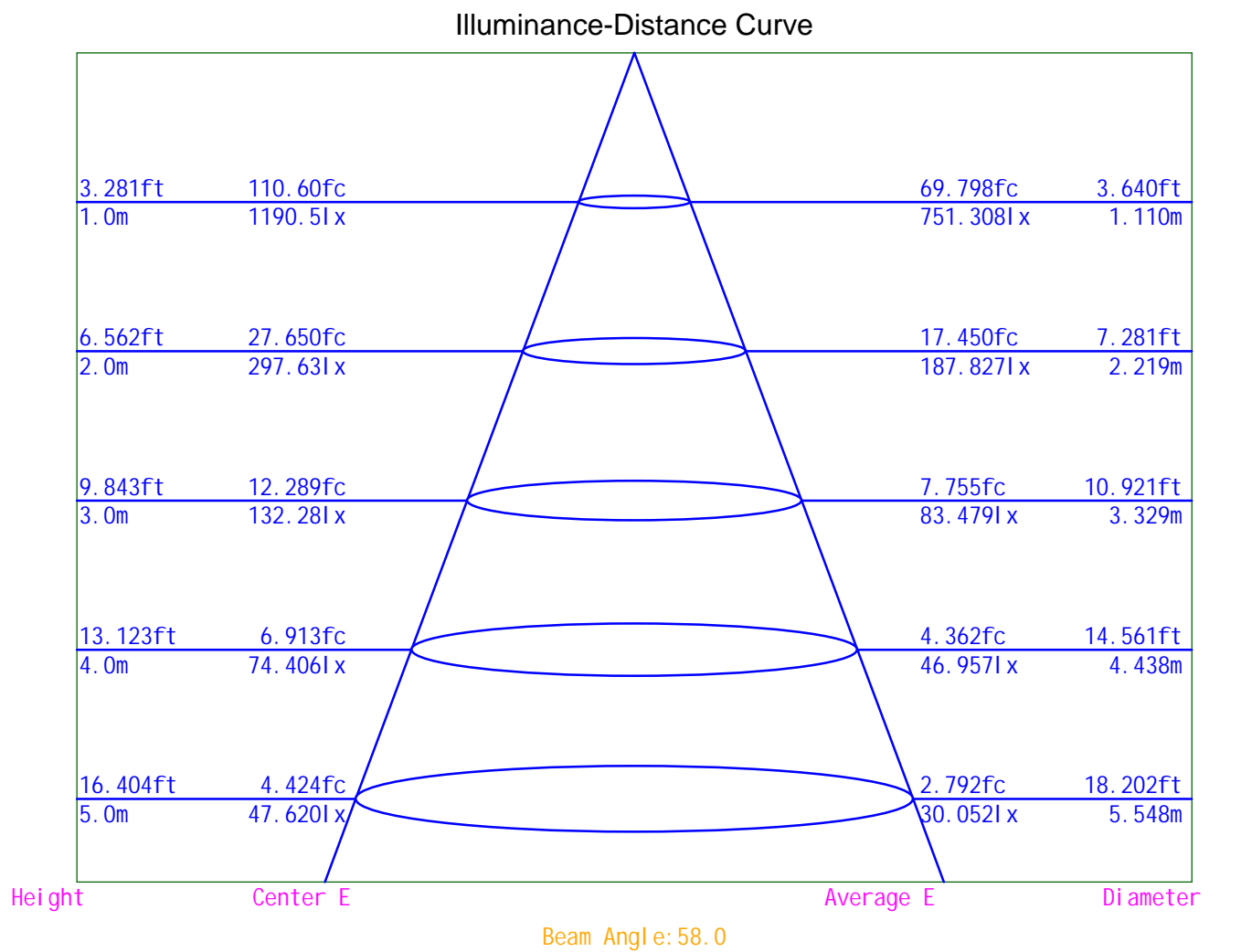
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1194.50lx,2.5deg  
Plane Maximum Lighting Intensity and @Angle:1197.914cd,0deg

Illuminance-Distance Diagram

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21



Indoor Luminance Limiting Curves

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: C0B	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21

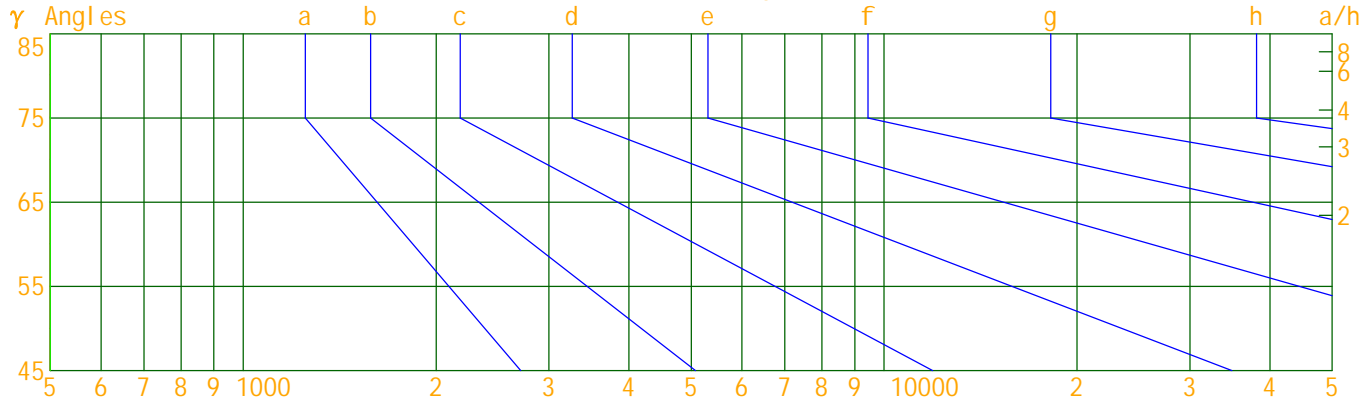
Glare Grade Table

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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

Luminance Limiting Curve



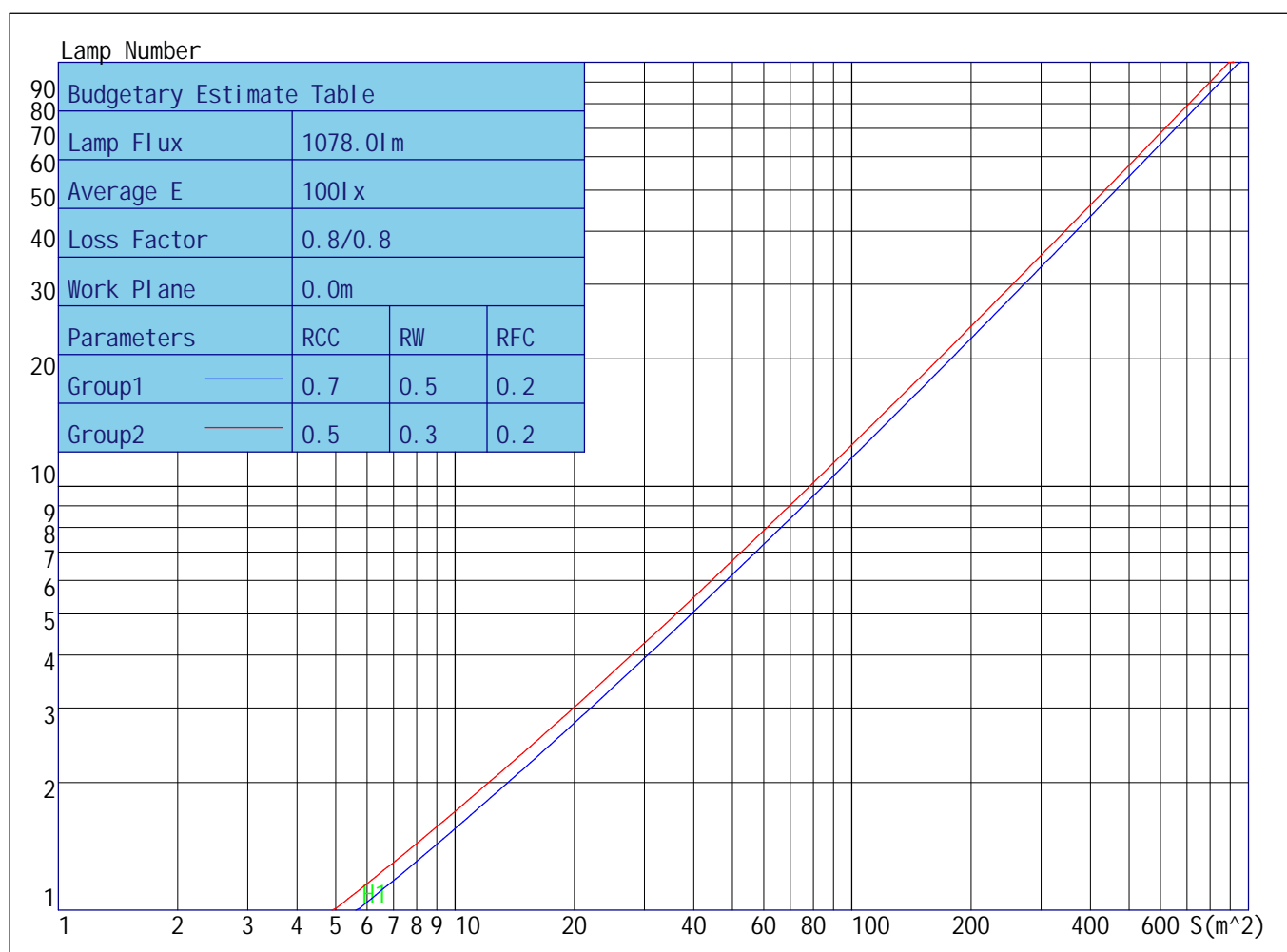
Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m^2)=0.000000  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: C90-C270 Color:

## IES Indoor Report

Photometric Filename:AT10021 15W 1202 3090 HK50-60D KG350.IES

### Indoor Budgetary Estimate Table

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8

Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8

Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

## IES Indoor Report

Photometric Filename:AT10021 15W 1202 3090 HK50-60D KG350.IES

### Indoor Coefficient of Utilization Table

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21

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	88	88	88	88	86	86	86	86	81	81	81	78	78	78	74	74	74	72
1	84	81	80	78	82	80	78	76	76	75	74	73	72	71	70	69	69	67
2	79	76	73	70	78	74	71	69	71	69	67	69	67	65	67	65	64	62
3	75	70	67	64	74	69	66	63	67	64	62	65	63	61	63	61	59	58
4	71	66	62	58	70	65	61	58	63	60	57	61	58	56	60	57	55	54
5	68	62	57	54	66	61	57	54	59	56	53	58	55	52	56	54	52	50
6	64	58	53	50	63	57	53	50	56	52	49	54	51	49	53	51	48	47
7	61	54	50	47	60	54	49	46	53	49	46	52	48	46	51	48	45	44
8	58	51	47	44	57	51	46	43	50	46	43	49	45	43	48	45	43	42
9	56	48	44	41	55	48	44	41	47	43	41	46	43	40	45	42	40	39
10	53	46	41	39	52	45	41	38	45	41	38	44	40	38	43	40	38	37

## IES Indoor Report

Photometric Filename:AT10021 15W 1202 3090 HK50-60D KG350.IES

### Unified Glare Rating Table

Lum. Name: AT10021	Lum. Catalog:	Test ID:
Lamp Name: 1202	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2019/05/21

### 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	1.1	1.4	1.5	1.7	2.1	1.1	1.4	1.5	1.7	2.1	
	Y=3H	0.9	1.0	1.4	1.4	1.9	0.9	1.0	1.4	1.4	1.9
	Y=4H	0.8	0.9	1.3	1.3	1.8	0.8	0.9	1.3	1.3	1.8
	Y=6H	0.7	0.7	1.2	1.1	1.6	0.7	0.7	1.2	1.1	1.6
	Y=8H	0.6	0.6	1.2	1.0	1.5	0.6	0.6	1.2	1.0	1.5
	Y=12H	0.6	0.5	1.1	0.9	1.4	0.6	0.5	1.1	0.9	1.4
X=4H Y=2H	0.8	0.9	1.3	1.3	1.8	0.8	0.9	1.3	1.3	1.8	
	Y=3H	0.6	0.5	1.1	1.0	1.5	0.6	0.5	1.1	1.0	1.5
	Y=4H	0.5	0.3	1.1	0.8	1.3	0.5	0.3	1.1	0.8	1.3
	Y=6H	0.4	0.1	1.0	0.6	1.2	0.4	0.1	1.0	0.6	1.2
	Y=8H	0.4	0.0	1.0	0.5	1.1	0.4	0.0	1.0	0.5	1.1
	Y=12H	0.3	-0.1	0.9	0.4	1.0	0.3	-0.1	0.9	0.4	1.0
X=8H Y=4H	0.4	0.0	1.0	0.5	1.1	0.4	0.0	1.0	0.5	1.1	
	Y=6H	0.3	-0.2	0.9	0.4	0.8	0.3	-0.2	0.9	0.4	0.8
	Y=8H	0.3	-0.3	1.0	0.3	0.9	0.3	-0.3	1.0	0.3	0.9
	Y=12H	0.3	-0.4	0.9	0.2	0.9	0.3	-0.4	0.9	0.2	0.9
X=12H Y=4H	0.3	-0.1	0.9	0.4	1.0	0.3	-0.1	0.9	0.4	1.0	
	Y=6H	0.2	-0.3	0.9	0.2	0.9	0.2	-0.3	0.9	0.2	0.9
	Y=8H	0.3	-0.4	0.9	0.2	0.9	0.3	-0.4	0.9	0.2	0.9
Variations with the objverver position at spacings											
S=1.0H	0.0/0.0					0.0/0.0					
S=1.5H	0.0/0.0					0.0/0.0					
S=2.0H	0.0/0.0					0.0/0.0					
Reduced UGR Table:											
Nordic Standard Table:	BK0					BK0					
Correction Value	0.0					0.0					

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

IES Indoor Report

Photometric Filename:AT10021 15W 1202 3090 HK50-60D KG350.IES

Candela Tabulation

V/H	C0. 0	C22. 5	C45. 0	C67. 5	C90. 0	C112. 5	C135. 0	C157. 5	C180. 0	C202. 5	C225. 0	C247. 5
γ 0. 0	1190. 50	1190. 50	1190. 50	1190. 50	1190. 50	1190. 50	1190. 50	1190. 50	1190. 50	1190. 50	1190. 50	1190. 50
γ 2. 5	1197. 91	1195. 07	1192. 96	1191. 50	1189. 79	1188. 44	1187. 53	1186. 28	1193. 50	1189. 83	1186. 95	1186. 91
γ 5. 0	1195. 92	1193. 69	1191. 42	1190. 66	1188. 92	1186. 76	1185. 62	1183. 35	1182. 32	1176. 75	1173. 88	1172. 35
γ 7. 5	1184. 24	1183. 99	1182. 68	1182. 71	1180. 44	1178. 35	1175. 95	1173. 44	1161. 14	1154. 94	1151. 23	1148. 92
γ 10. 0	1168. 41	1167. 21	1167. 41	1167. 36	1163. 96	1161. 47	1157. 38	1152. 52	1131. 78	1121. 57	1117. 49	1114. 89
γ 12. 5	1144. 00	1142. 94	1144. 20	1144. 36	1140. 95	1136. 05	1131. 99	1125. 50	1089. 57	1079. 63	1075. 86	1074. 04
γ 15. 0	1102. 95	1104. 73	1107. 39	1108. 45	1104. 10	1098. 42	1092. 89	1084. 52	1041. 07	1032. 71	1028. 31	1026. 49
γ 17. 5	1058. 61	1059. 02	1059. 19	1058. 71	1054. 14	1048. 87	1041. 16	1033. 98	986. 02	976. 77	970. 30	967. 25
γ 20. 0	1006. 36	1005. 24	1001. 88	1002. 21	996. 98	991. 74	983. 48	978. 28	918. 12	904. 67	896. 70	891. 70
γ 22. 5	937. 65	938. 59	932. 88	934. 37	930. 64	925. 45	916. 71	911. 56	829. 66	813. 80	804. 56	800. 59
γ 25. 0	848. 49	852. 78	848. 78	851. 15	849. 48	843. 56	833. 88	824. 88	722. 79	704. 39	695. 42	690. 75
γ 27. 5	739. 69	746. 96	746. 10	749. 73	749. 33	742. 35	730. 18	720. 52	603. 76	585. 94	577. 90	572. 95
γ 30. 0	620. 24	629. 24	631. 68	635. 38	633. 48	629. 52	617. 12	606. 32	486. 77	467. 65	461. 61	456. 47
γ 32. 5	499. 20	510. 43	515. 03	519. 10	516. 12	513. 84	502. 80	491. 34	374. 82	359. 02	352. 96	347. 31
γ 35. 0	386. 32	398. 18	403. 48	406. 36	403. 80	402. 95	392. 71	382. 06	278. 24	262. 70	258. 14	250. 44
γ 37. 5	289. 08	300. 18	303. 92	307. 46	304. 57	304. 79	296. 23	286. 76	194. 12	178. 51	171. 02	165. 91
γ 40. 0	204. 00	211. 64	218. 23	224. 36	219. 71	220. 78	214. 99	202. 75	109. 28	99. 69	94. 49	85. 44
γ 42. 5	112. 79	126. 93	134. 50	137. 37	139. 87	140. 56	130. 40	119. 69	54. 52	52. 56	49. 73	45. 84
γ 45. 0	60. 42	68. 05	72. 82	73. 15	73. 35	76. 03	71. 00	64. 30	34. 29	33. 40	32. 39	31. 09
γ 47. 5	40. 96	43. 03	44. 97	45. 14	44. 75	45. 94	44. 92	42. 72	25. 93	25. 02	24. 44	23. 75
γ 50. 0	32. 91	33. 62	34. 43	34. 64	34. 49	34. 91	34. 60	33. 76	20. 31	19. 01	18. 20	17. 76
γ 52. 5	27. 00	27. 58	28. 38	28. 86	28. 69	28. 80	28. 50	27. 77	13. 58	12. 35	12. 05	10. 93
γ 55. 0	19. 28	21. 06	21. 55	22. 07	22. 50	22. 36	21. 52	21. 00	8. 92	8. 68	8. 31	8. 03
γ 57. 5	15. 60	15. 99	16. 53	16. 63	16. 52	16. 92	16. 58	15. 97	7. 19	7. 13	6. 87	6. 73
γ 60. 0	13. 90	14. 12	14. 25	14. 30	14. 31	14. 43	14. 24	14. 02	6. 11	6. 06	5. 89	5. 79
γ 62. 5	12. 74	12. 87	12. 88	12. 94	12. 97	13. 00	12. 89	12. 73	5. 15	5. 06	4. 93	4. 85
γ 65. 0	11. 56	11. 71	11. 70	11. 77	11. 79	11. 82	11. 70	11. 59	4. 28	4. 29	4. 18	4. 15
γ 67. 5	10. 56	10. 65	10. 68	10. 70	10. 67	10. 79	10. 67	10. 53	3. 87	3. 82	3. 79	3. 76
γ 70. 0	9. 88	9. 92	9. 93	9. 99	9. 96	10. 01	9. 94	9. 87	3. 57	3. 52	3. 48	3. 47
γ 72. 5	9. 33	9. 34	9. 34	9. 39	9. 38	9. 40	9. 37	9. 29	3. 30	3. 29	3. 26	3. 25
γ 75. 0	8. 81	8. 80	8. 81	8. 85	8. 84	8. 85	8. 84	8. 77	3. 12	3. 10	3. 09	3. 05
γ 77. 5	8. 30	8. 29	8. 32	8. 34	8. 34	8. 35	8. 31	8. 25	3. 02	2. 99	2. 98	2. 95
γ 80. 0	7. 83	7. 84	7. 87	7. 88	7. 87	7. 90	7. 86	7. 81	2. 94	2. 93	2. 94	2. 89
γ 82. 5	7. 44	7. 43	7. 45	7. 44	7. 46	7. 49	7. 46	7. 40	2. 88	2. 90	2. 92	2. 90
γ 85. 0	7. 03	7. 04	7. 08	7. 06	7. 08	7. 10	7. 08	7. 03	2. 92	2. 91	2. 90	2. 90
γ 87. 5	6. 69	6. 68	6. 74	6. 72	6. 73	6. 76	6. 72	6. 70	2. 92	2. 91	2. 88	2. 91
γ 90. 0	6. 38	6. 38	6. 42	6. 42	6. 42	6. 43	6. 43	6. 38	2. 93	2. 93	2. 91	2. 94
γ 92. 5	6. 13	6. 11	6. 14	6. 14	6. 15	6. 14	6. 17	6. 10	2. 94	2. 94	2. 93	2. 96
γ 95. 0	5. 89	5. 87	5. 90	5. 90	5. 88	5. 90	5. 91	5. 87	2. 95	2. 94	2. 94	2. 96
γ 97. 5	5. 67	5. 65	5. 68	5. 67	5. 68	5. 69	5. 70	5. 66	2. 98	2. 96	2. 95	2. 96
γ 100. 0	5. 48	5. 45	5. 48	5. 47	5. 49	5. 49	5. 51	5. 46	2. 98	2. 96	2. 98	2. 97
γ 102. 5	5. 30	5. 29	5. 29	5. 28	5. 29	5. 32	5. 34	5. 29	3. 03	3. 03	3. 02	3. 02
γ 105. 0	5. 14	5. 13	5. 13	5. 13	5. 13	5. 17	5. 18	5. 12	3. 07	3. 09	3. 08	3. 09
γ 107. 5	5. 00	4. 99	4. 99	5. 00	5. 01	5. 01	5. 03	4. 99	3. 11	3. 13	3. 14	3. 15

## IES Indoor Report

Photometric Filename:AT10021 15W 1202 3090 HK50-60D KG350.IES

### Candela Tabulation - (Cont.)

V/H	C0. 0	C22. 5	C45. 0	C67. 5	C90. 0	C112. 5	C135. 0	C157. 5	C180. 0	C202. 5	C225. 0	C247. 5
γ 110. 0	4. 87	4. 85	4. 85	4. 86	4. 88	4. 88	4. 88	4. 85	3. 19	3. 20	3. 20	3. 21
γ 112. 5	4. 76	4. 71	4. 73	4. 75	4. 74	4. 76	4. 75	4. 76	3. 27	3. 27	3. 30	3. 31
γ 115. 0	4. 64	4. 64	4. 64	4. 64	4. 63	4. 66	4. 65	4. 66	3. 42	3. 38	3. 41	3. 41
γ 117. 5	4. 58	4. 56	4. 57	4. 57	4. 55	4. 57	4. 57	4. 58	3. 52	3. 50	3. 53	3. 52
γ 120. 0	4. 50	4. 50	4. 49	4. 52	4. 48	4. 50	4. 49	4. 51	3. 63	3. 66	3. 66	3. 64
γ 122. 5	4. 48	4. 47	4. 44	4. 46	4. 42	4. 43	4. 46	4. 47	3. 77	3. 79	3. 79	3. 79
γ 125. 0	4. 46	4. 43	4. 40	4. 43	4. 42	4. 41	4. 44	4. 42	3. 92	3. 92	3. 94	3. 92
γ 127. 5	4. 45	4. 42	4. 41	4. 42	4. 41	4. 42	4. 44	4. 44	4. 08	4. 08	4. 10	4. 13
γ 130. 0	4. 48	4. 44	4. 44	4. 45	4. 45	4. 45	4. 43	4. 44	4. 24	4. 28	4. 28	4. 32
γ 132. 5	4. 56	4. 49	4. 47	4. 48	4. 49	4. 50	4. 50	4. 52	4. 46	4. 47	4. 50	4. 49
γ 135. 0	4. 63	4. 57	4. 54	4. 57	4. 57	4. 57	4. 57	4. 58	4. 67	4. 68	4. 72	4. 71
γ 137. 5	4. 71	4. 67	4. 65	4. 66	4. 65	4. 65	4. 66	4. 68	4. 89	4. 90	4. 95	4. 95
γ 140. 0	4. 81	4. 76	4. 75	4. 78	4. 74	4. 76	4. 78	4. 77	5. 10	5. 12	5. 18	5. 17
γ 142. 5	4. 93	4. 88	4. 86	4. 87	4. 88	4. 88	4. 88	4. 90	5. 31	5. 35	5. 39	5. 39
γ 145. 0	5. 07	4. 99	4. 98	4. 99	5. 01	5. 00	4. 99	5. 00	5. 54	5. 56	5. 60	5. 64
γ 147. 5	5. 15	5. 12	5. 11	5. 12	5. 12	5. 12	5. 12	5. 11	5. 76	5. 77	5. 80	5. 84
γ 150. 0	5. 28	5. 25	5. 23	5. 23	5. 21	5. 22	5. 24	5. 25	5. 97	5. 96	5. 98	6. 07
γ 152. 5	5. 42	5. 37	5. 35	5. 33	5. 33	5. 33	5. 36	5. 38	6. 16	6. 16	6. 18	6. 19
γ 155. 0	5. 52	5. 50	5. 47	5. 44	5. 45	5. 45	5. 47	5. 50	6. 30	6. 31	6. 35	6. 35
γ 157. 5	5. 65	5. 62	5. 58	5. 57	5. 57	5. 56	5. 59	5. 62	6. 50	6. 47	6. 50	6. 48
γ 160. 0	5. 78	5. 75	5. 69	5. 69	5. 69	5. 68	5. 72	5. 73	6. 61	6. 61	6. 61	6. 62
γ 162. 5	5. 89	5. 86	5. 81	5. 80	5. 81	5. 81	5. 82	5. 87	6. 73	6. 74	6. 74	6. 74
γ 165. 0	6. 02	5. 99	5. 96	5. 96	5. 95	5. 95	5. 95	5. 99	6. 85	6. 85	6. 83	6. 85
γ 167. 5	6. 17	6. 13	6. 12	6. 10	6. 11	6. 09	6. 10	6. 13	6. 92	6. 88	6. 90	6. 91
γ 170. 0	6. 30	6. 26	6. 25	6. 25	6. 25	6. 22	6. 24	6. 26	6. 96	6. 93	6. 95	6. 94
γ 172. 5	6. 45	6. 40	6. 39	6. 40	6. 37	6. 36	6. 36	6. 39	6. 95	6. 94	6. 94	6. 96
γ 175. 0	6. 59	6. 55	6. 53	6. 53	6. 50	6. 51	6. 49	6. 52	6. 93	6. 92	6. 92	6. 93
γ 177. 5	6. 70	6. 68	6. 67	6. 67	6. 61	6. 63	6. 66	6. 66	6. 91	6. 86	6. 87	6. 89
γ 180. 0	6. 78	6. 78	6. 78	6. 78	6. 78	6. 78	6. 78	6. 78	6. 78	6. 78	6. 78	6. 78
V/H	C270. 0	C292. 5	C315. 0	C337. 5								
γ 0. 0	1190. 50	1190. 50	1190. 50	1190. 50								
γ 2. 5	1185. 22	1183. 60	1183. 45	1183. 82								
γ 5. 0	1171. 65	1169. 83	1170. 45	1171. 21								
γ 7. 5	1148. 34	1146. 53	1151. 19	1153. 81								
γ 10. 0	1114. 11	1113. 58	1119. 86	1125. 58								
γ 12. 5	1074. 53	1073. 47	1080. 78	1086. 35								
γ 15. 0	1028. 29	1027. 13	1034. 41	1041. 98								
γ 17. 5	969. 85	969. 82	979. 01	988. 74								
γ 20. 0	894. 11	896. 69	907. 99	920. 01								
γ 22. 5	803. 74	805. 83	818. 94	832. 13								
γ 25. 0	694. 44	697. 61	710. 54	723. 77								
γ 27. 5	575. 98	579. 25	591. 33	605. 94								
γ 30. 0	458. 04	461. 01	472. 42	484. 90								
γ 32. 5	348. 83	351. 89	361. 73	372. 89								



## IES Indoor Report

Photometric Filename:AT10021 15W 1202 3090 HK50-60D KG350.IES

---

### Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
γ 35.0	252.17	256.25	264.98	275.87
γ 37.5	162.63	165.35	178.08	189.28
γ 40.0	86.07	88.59	93.60	101.94
γ 42.5	46.43	46.64	47.83	51.96
γ 45.0	30.86	30.89	31.45	32.88
γ 47.5	23.64	23.63	24.07	24.84
γ 50.0	17.41	17.35	18.16	19.05
γ 52.5	11.01	11.46	11.58	11.90
γ 55.0	8.12	8.20	8.33	8.52
γ 57.5	6.82	6.90	6.93	7.01
γ 60.0	5.85	5.92	5.99	6.01
γ 62.5	4.84	4.95	5.02	5.10
γ 65.0	4.21	4.23	4.24	4.33
γ 67.5	3.77	3.82	3.84	3.88
γ 70.0	3.49	3.51	3.55	3.59
γ 72.5	3.23	3.27	3.29	3.32
γ 75.0	3.06	3.10	3.09	3.13
γ 77.5	2.98	2.98	3.00	3.01
γ 80.0	2.93	2.93	2.92	2.96
γ 82.5	2.91	2.92	2.91	2.92
γ 85.0	2.91	2.92	2.91	2.93
γ 87.5	2.91	2.92	2.92	2.94
γ 90.0	2.93	2.94	2.94	2.96
γ 92.5	2.94	2.95	2.96	2.96
γ 95.0	2.96	2.96	2.98	2.95
γ 97.5	2.98	2.98	2.99	2.98
γ 100.0	3.01	3.01	2.99	3.01
γ 102.5	3.03	3.05	3.05	3.03
γ 105.0	3.09	3.11	3.09	3.11
γ 107.5	3.14	3.19	3.14	3.17
γ 110.0	3.23	3.27	3.23	3.22
γ 112.5	3.30	3.35	3.31	3.29
γ 115.0	3.40	3.45	3.41	3.37
γ 117.5	3.52	3.55	3.52	3.52
γ 120.0	3.65	3.68	3.65	3.63
γ 122.5	3.78	3.81	3.80	3.78
γ 125.0	3.95	3.95	3.95	3.93
γ 127.5	4.10	4.13	4.09	4.09
γ 130.0	4.29	4.30	4.26	4.27
γ 132.5	4.48	4.49	4.47	4.45
γ 135.0	4.70	4.70	4.68	4.67
γ 137.5	4.91	4.92	4.92	4.89
γ 140.0	5.15	5.14	5.13	5.10
γ 142.5	5.39	5.35	5.34	5.32

## IES Indoor Report

Photometric Filename:AT10021 15W 1202 3090 HK50-60D KG350.IES

---

### Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
γ 145.0	5.62	5.57	5.55	5.54
γ 147.5	5.82	5.78	5.74	5.74
γ 150.0	6.05	5.98	5.93	5.95
γ 152.5	6.24	6.16	6.13	6.14
γ 155.0	6.35	6.34	6.29	6.29
γ 157.5	6.47	6.47	6.43	6.45
γ 160.0	6.59	6.58	6.58	6.59
γ 162.5	6.72	6.71	6.68	6.72
γ 165.0	6.81	6.81	6.80	6.82
γ 167.5	6.88	6.88	6.86	6.88
γ 170.0	6.92	6.91	6.90	6.91
γ 172.5	6.91	6.91	6.91	6.93
γ 175.0	6.89	6.90	6.88	6.89
γ 177.5	6.84	6.84	6.85	6.86
γ 180.0	6.78	6.78	6.78	6.78