

Indoor Luminaire Photometric Data

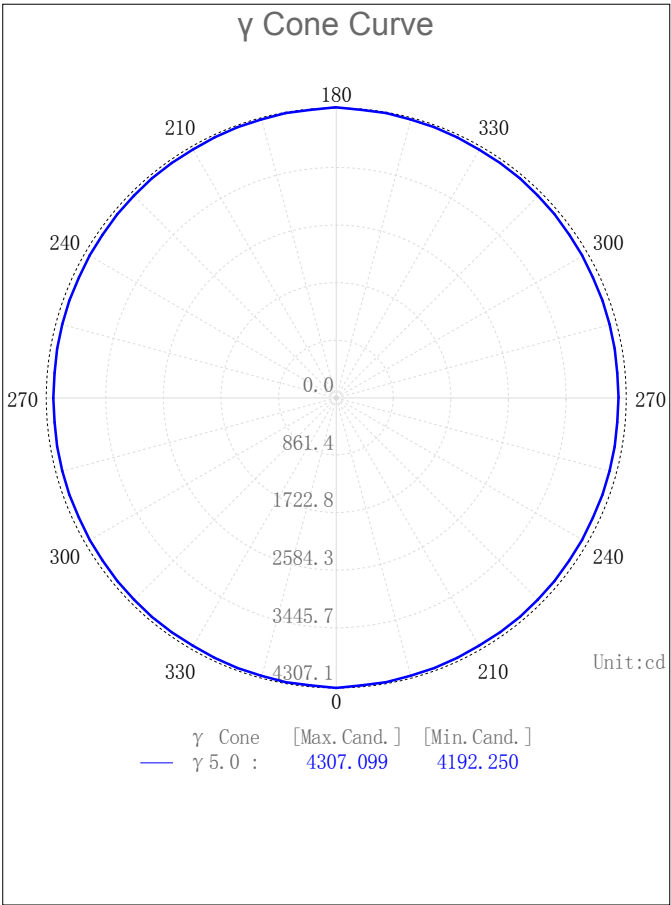
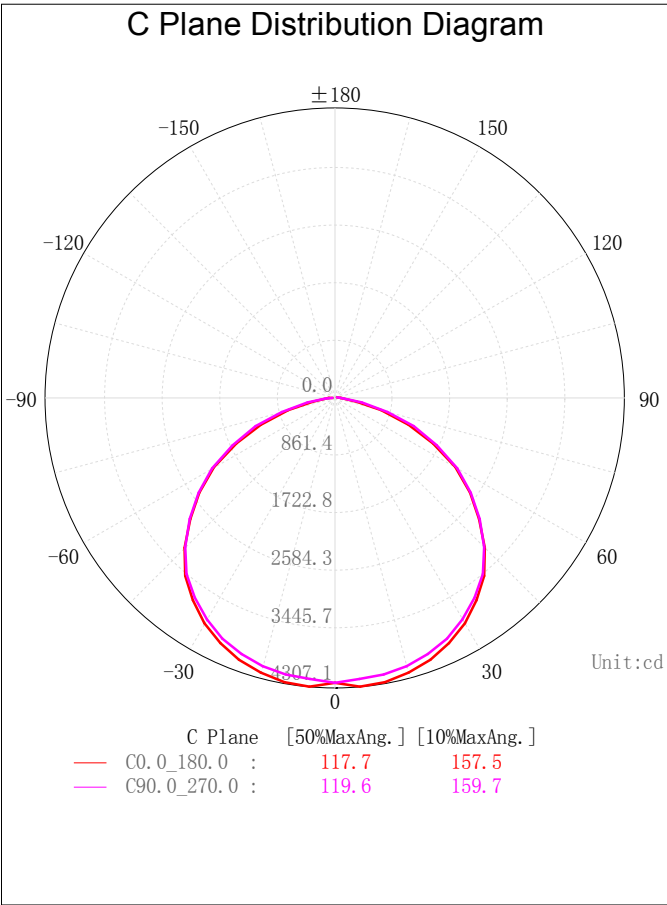
Description Information

Luminary Name: 100W		Lum. Catalog:	Test ID:
Lamp Name: 3030		Lamp Catalog:3030	Test Date: 2016/07/07
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.300m*0.400m*0.050m		Lum. Area(m2):0.140	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=5.0 γ=5.0	Temp.(°C): 25	Humidity(%):

Character Parameter

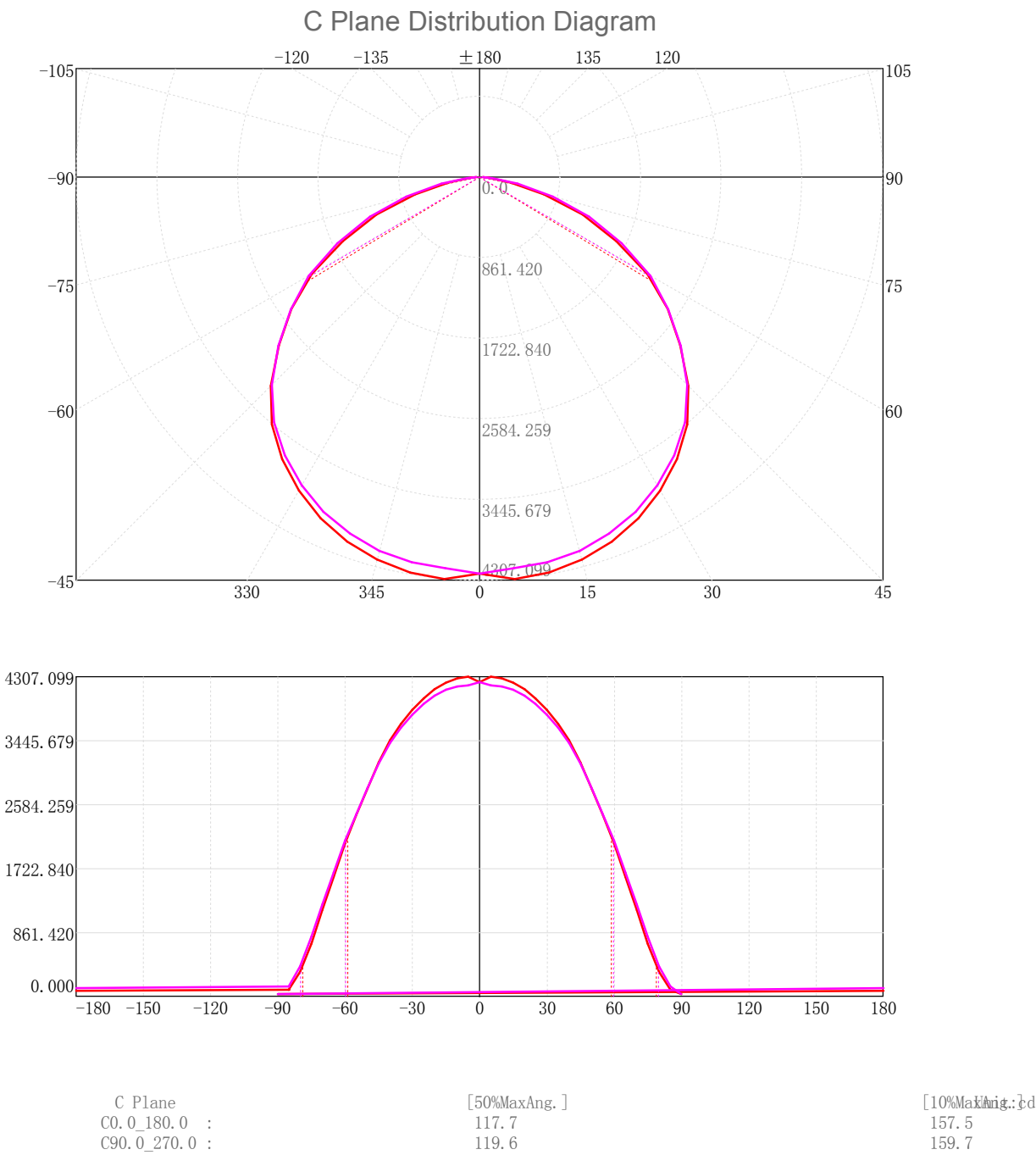
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	14000.070	Luminary Flux(lm):	13232.211
Rated Power(W):		Luminary Efficiency:	94.52%
Rated Voltage(V):		Luminary EER(lm/W):	131.533
Tested Power(W):	100.600	Max. Candela(cd):	4307.099
Lamps' Inside:	210	Max Cand@Ang.(°):	C=0.0 γ=5.0
Tested Electrics(V, A, pf):	220.9, 0.461	Beam Angle(50%Imax):	117.7(°)
Lamp Size(W*L*H):0.300m*0.400m*0.050m		Left=-58.8°, Right=58.8°	

Lighting Distribution Diagram



2D Plane Light Intensity Distribution Curve

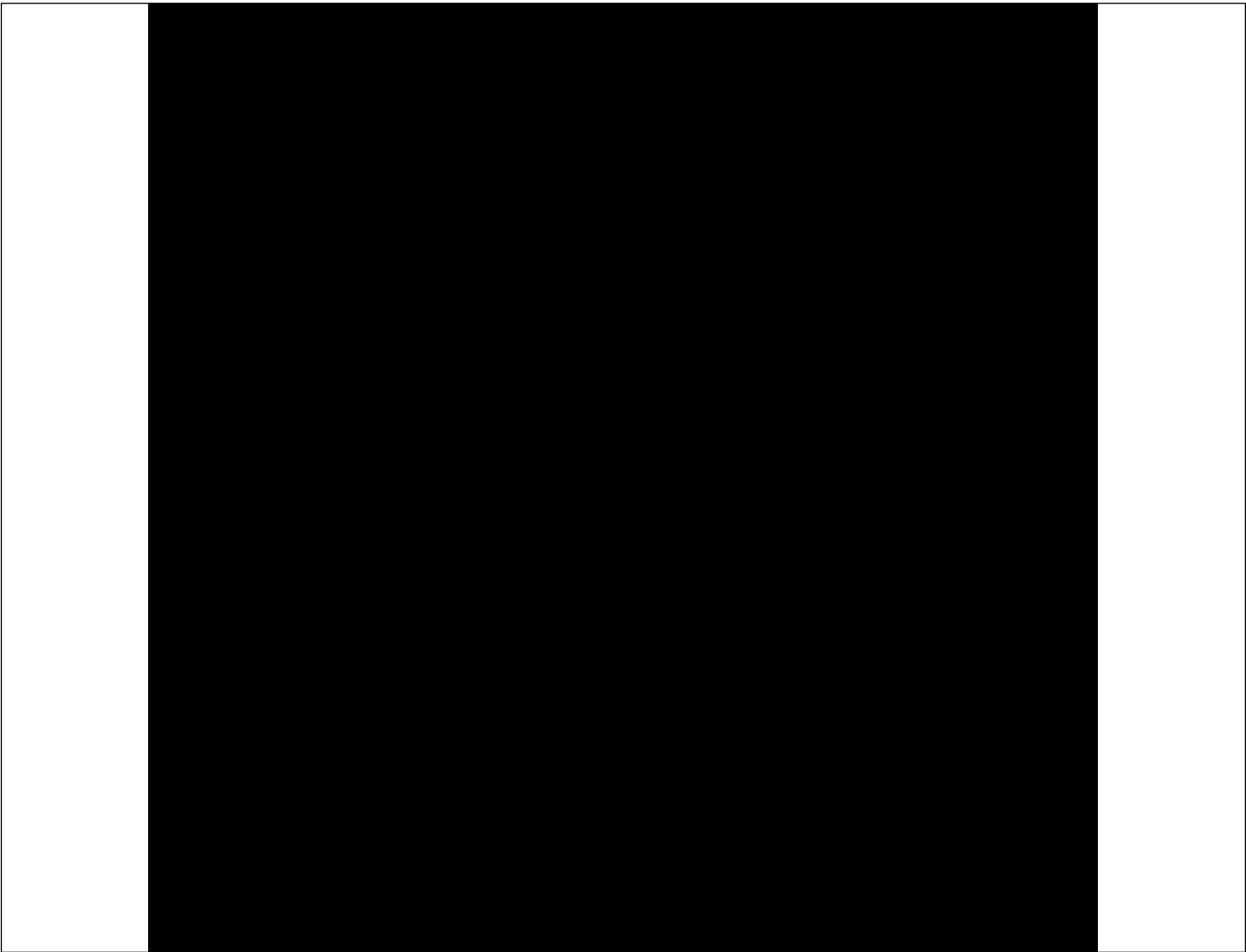
Lum. Name: 100W	Lum. Catalog:	Test ID:
Lamp Name: 3030	Lamp Catalog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07



3D Light Intensity Distribution Modal

Lum. Name: 100W	Lum. Catelog:	Test ID:
Lamp Name: 3030	Lamp Catelog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

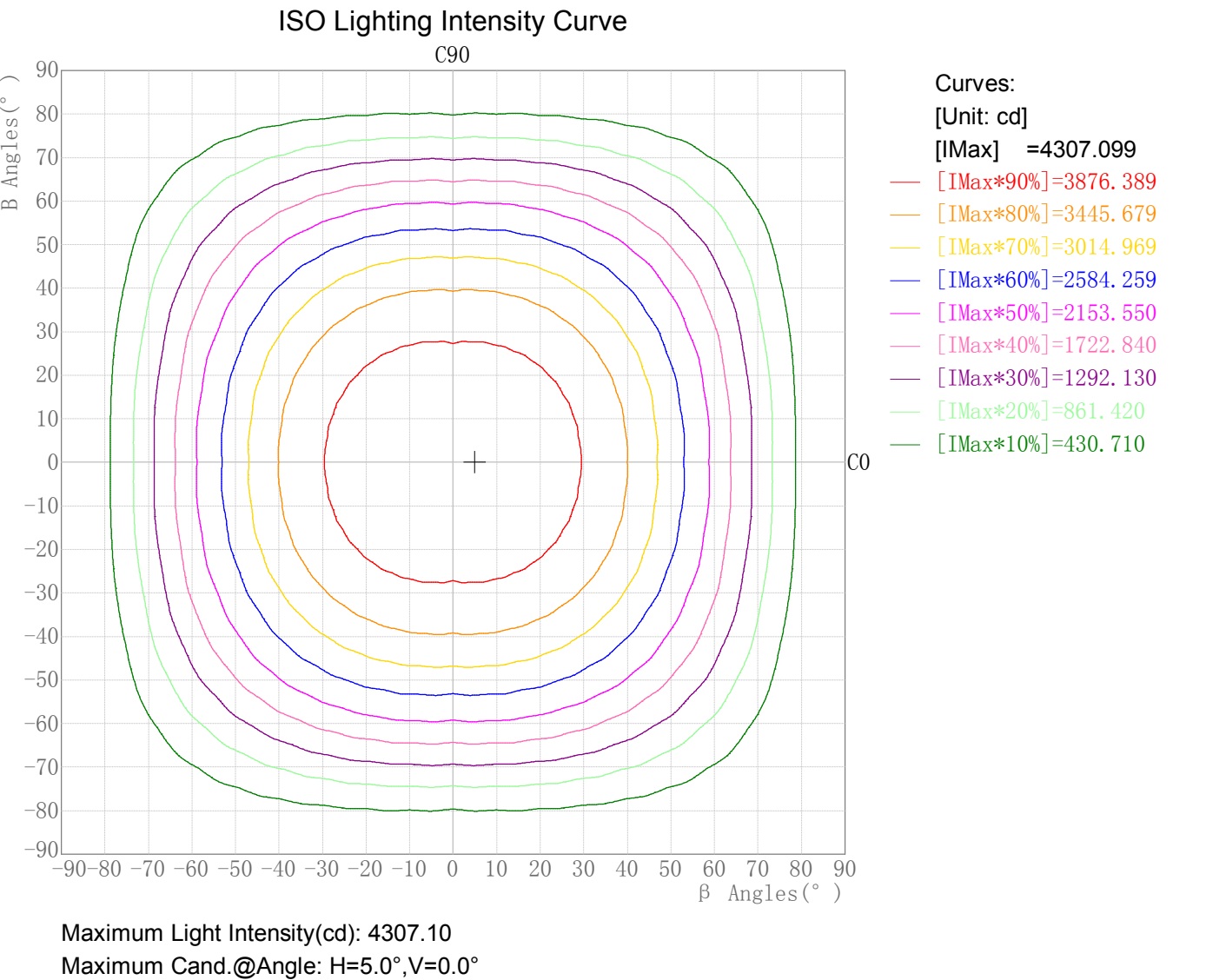
Spin:0

Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	101.27	101.27	0.72	0.72
5.0-10.0	302.64	403.90	2.16	2.89
10.0-15.0	498.24	902.14	3.56	6.44
15.0-20.0	682.18	1584.32	4.87	11.32
20.0-25.0	848.58	2432.90	6.06	17.38
25.0-30.0	992.17	3425.07	7.09	24.46
30.0-35.0	1107.92	4532.99	7.91	32.38
35.0-40.0	1191.23	5724.23	8.51	40.89
40.0-45.0	1234.17	6958.39	8.82	49.70
45.0-50.0	1223.97	8182.36	8.74	58.45
50.0-55.0	1167.86	9350.21	8.34	66.79
55.0-60.0	1077.43	10427.64	7.70	74.48
60.0-65.0	942.84	11370.48	6.73	81.22
65.0-70.0	763.57	12134.05	5.45	86.67
70.0-75.0	554.29	12688.34	3.96	90.63
75.0-80.0	338.55	13026.89	2.42	93.05
80.0-85.0	155.73	13182.62	1.11	94.16
85.0-90.0	49.59	13232.21	0.35	94.52

Rectangle ISO Lighting Intensity Diagram

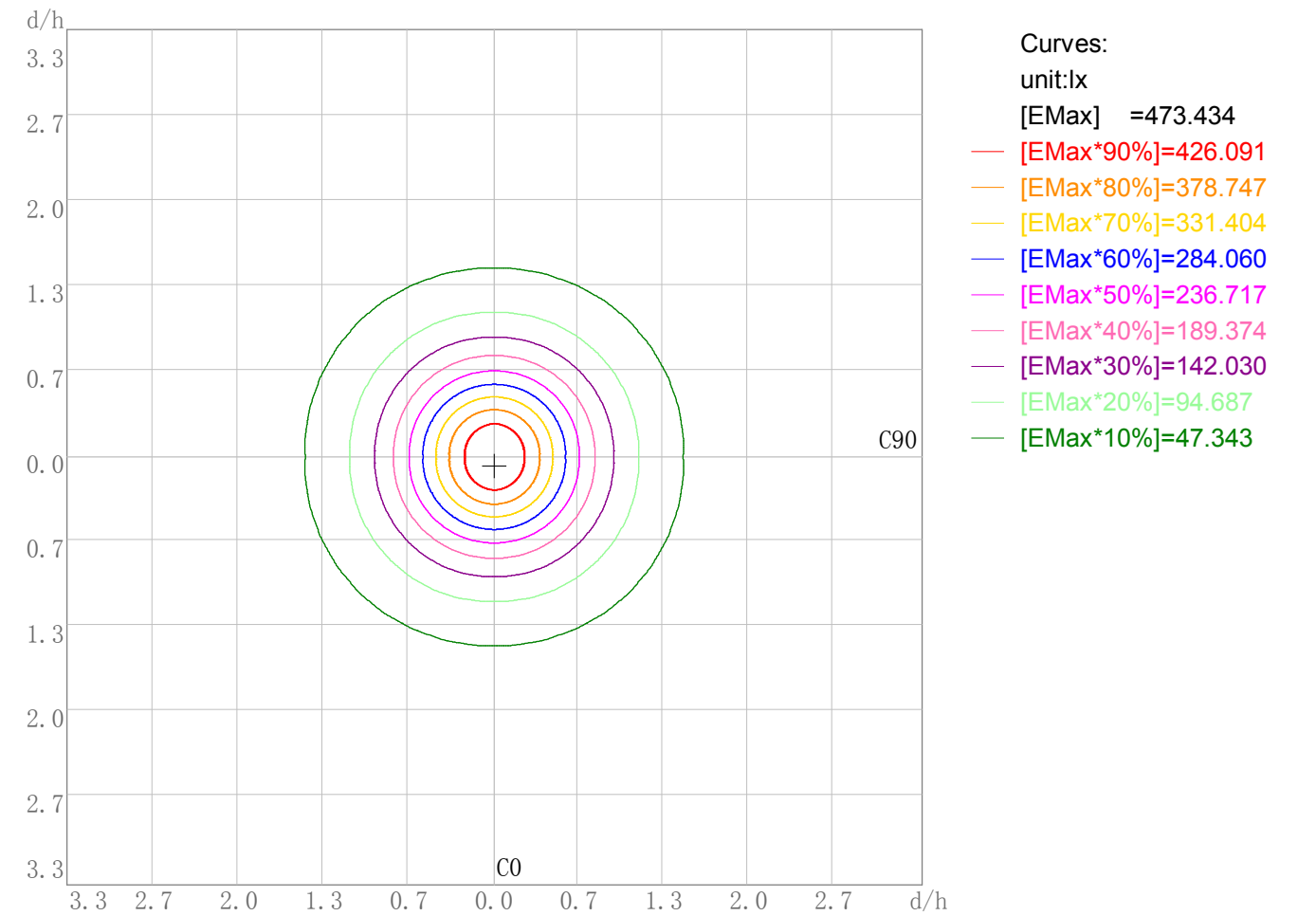
Lum. Name: 100W	Lum. Catelog:	Test ID:
Lamp Name: 3030	Lamp Catelog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07



Plane ISO-Illuminance Diagram

Lum. Name: 100W	Lum. Catelog:	Test ID:
Lamp Name: 3030	Lamp Catelog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07

Plane ISO-Illuminance Curve

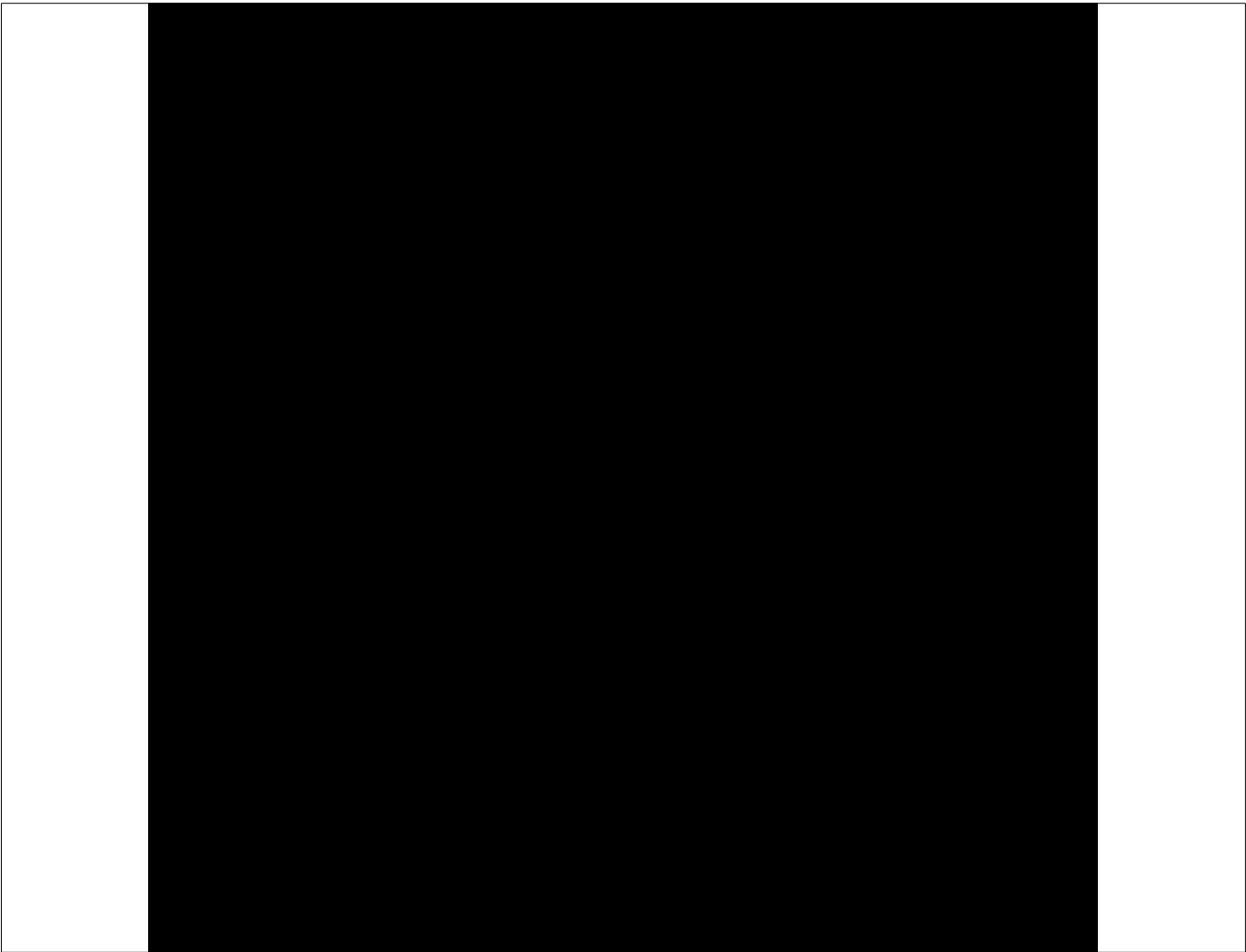


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 473.43
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1

3D Plane ISO Illuminance Diagram

Lum. Name: 100W	Lum. Catelog:	Test ID:
Lamp Name: 3030	Lamp Catelog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07

3D Plane Illuminance Modal



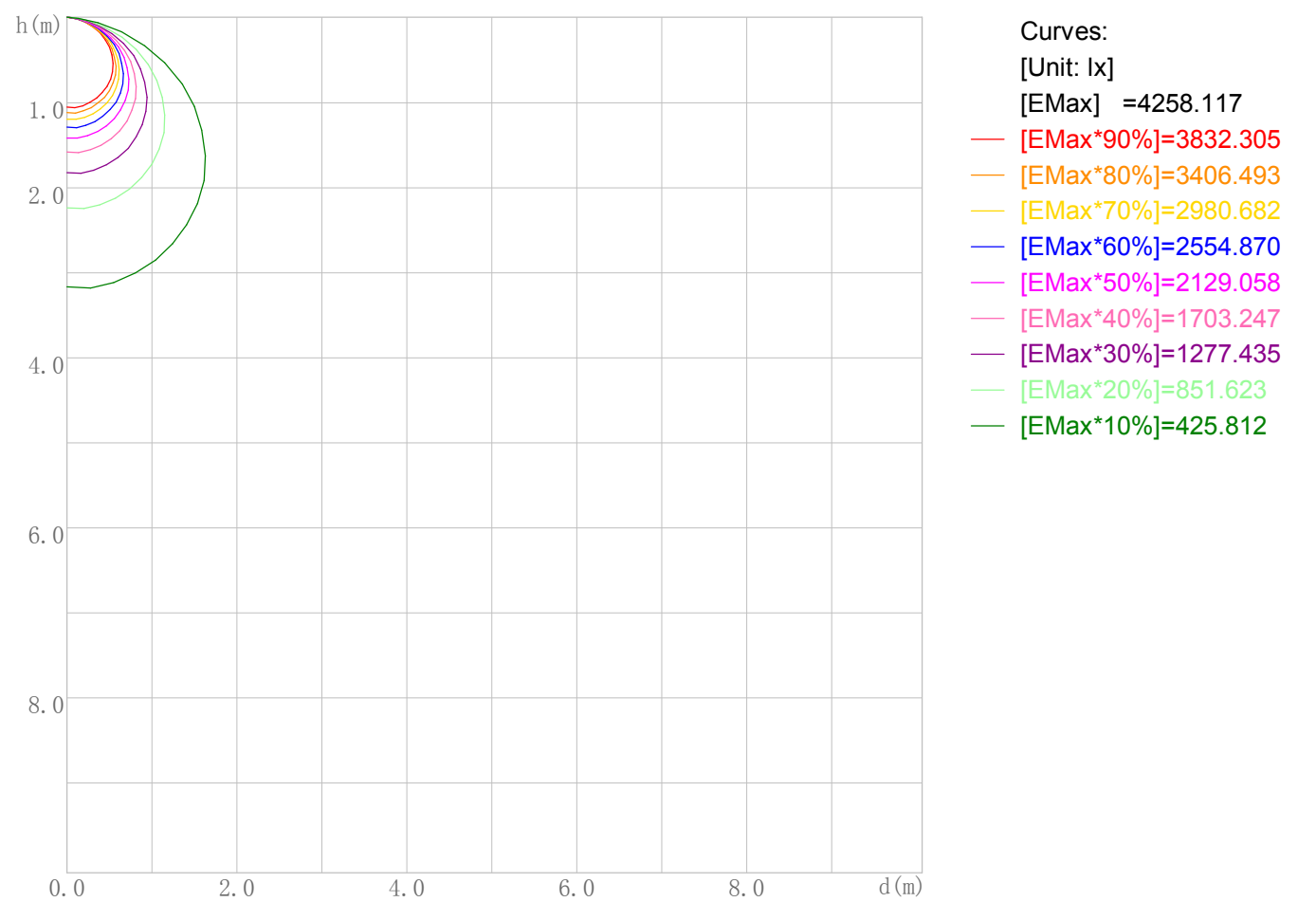
Curves: 3D Model— 90%— 80%— 70%— 60%— 50%— 40%— 30%— 20%— 10%—

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

Space ISO Illuminance Diagram

Lum. Name: 100W	Lum. Catelog:	Test ID:
Lamp Name: 3030	Lamp Catelog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07

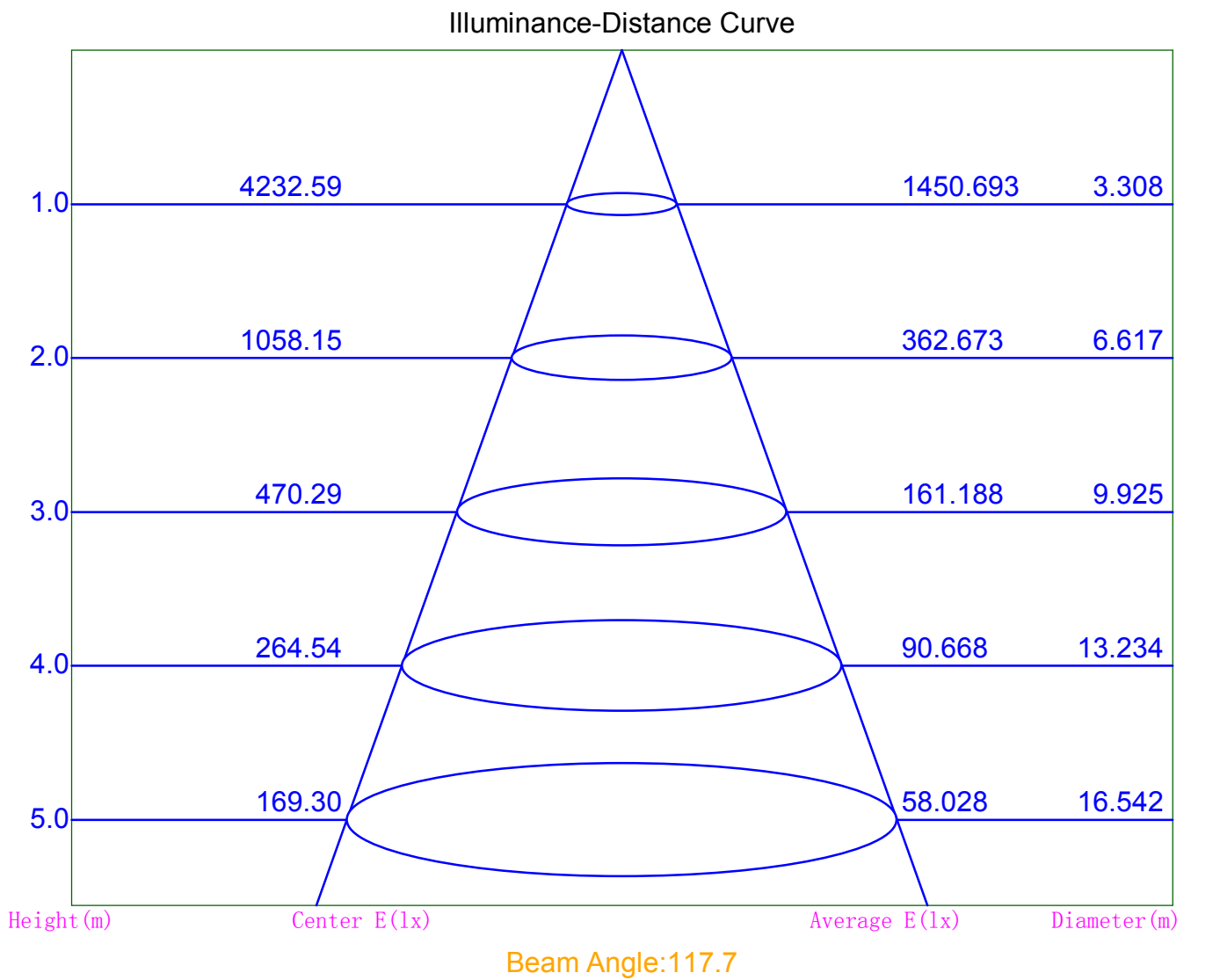
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:4258.12lx,5.0deg
Plane Maximum Lighting Intensity and @Angle:4307.099cd,0deg

Illuminance-Distance Diagram

Lum. Name: 100W	Lum. Catalog:	Test ID:
Lamp Name: 3030	Lamp Catalog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07



Indoor Luminance Limiting Curves

Lum. Name: 100W	Lum. Catalog:	Test ID:
Lamp Name: 3030	Lamp Catalog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07

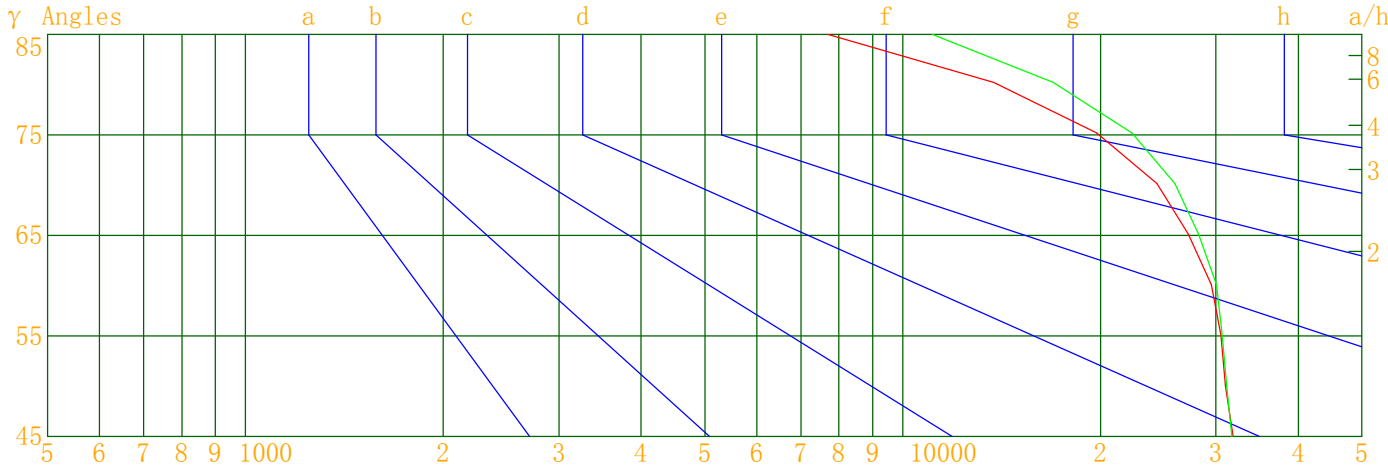
Glare Grade Table

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	31834	31041	30538	29486	27218	24416	19736	13753	7692
C90	31708	31165	30650	30035	28241	25963	22349	16964	11096

Luminance Limiting Curve



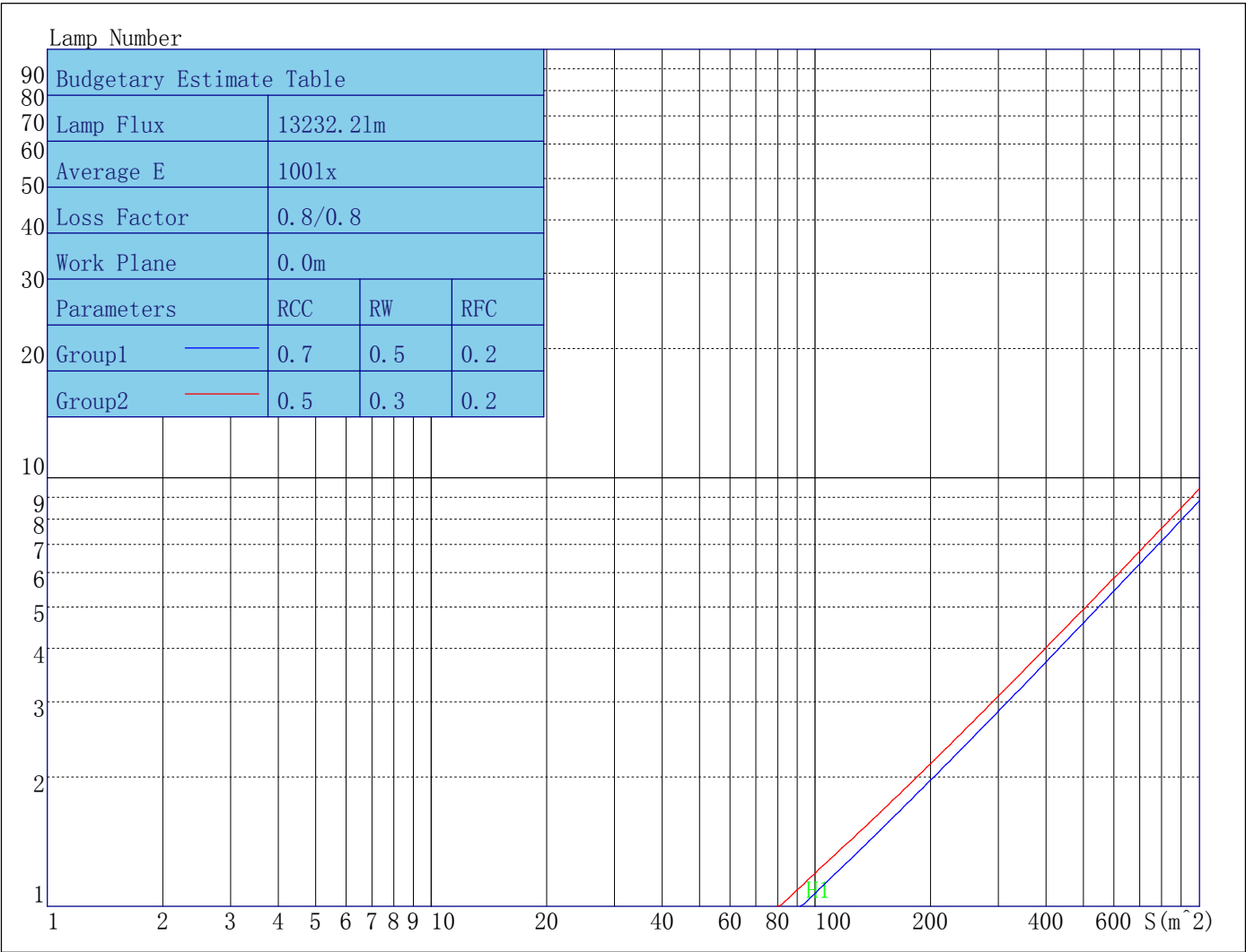
Luminous Size: Length(m)=0.400 Width(m)=0.300 Height(m)=0.050 Area(m^2)=0.140000

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name: 100W	Lum. Catelog:	Test ID:
Lamp Name: 3030	Lamp Catelog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07



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

Indoor Coefficient of Utilization Table

Lum. Name: 100W	Lum. Catelog:	Test ID:
Lamp Name: 3030	Lamp Catelog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07

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	113	113	113	113	110	110	110	110	105	105	105	101	101	101	96	96	96	95
1	103	98	94	91	100	96	92	89	92	89	86	88	86	84	85	83	81	79
2	93	85	79	73	91	84	78	73	80	75	71	77	73	69	74	71	68	66
3	85	75	67	61	83	73	66	60	70	64	59	68	63	58	65	61	57	55
4	78	66	58	51	75	65	57	51	62	56	50	60	54	49	58	53	49	47
5	71	59	50	44	69	58	50	44	56	49	43	54	48	43	52	47	42	40
6	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35
7	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
8	56	44	35	30	55	43	35	30	42	35	29	40	34	29	39	33	29	27
9	53	40	32	27	51	39	32	27	38	31	26	37	31	26	36	30	26	24
10	49	37	29	24	48	36	29	24	35	29	24	34	28	24	34	28	24	22

Unified Glare Rating Table

Lum. Name: 100W	Lum. Catelog:	Test ID:
Lamp Name: 3030	Lamp Catelog:3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/07/07

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	22.3	26.1	23.0	26.7	27.3	22.4	26.2	23.1	26.8	27.4
	Y=3H	26.5	30.3	27.2	30.9	31.5	26.8	30.5	27.5	31.2	31.7
	Y=4H	29.0	32.2	29.7	32.8	33.4	29.4	32.6	30.1	33.2	33.8
	Y=6H	30.0	33.1	30.7	33.7	34.3	30.7	33.8	31.4	34.4	35.0
	Y=8H	30.2	33.3	30.9	33.9	34.5	31.0	34.1	31.7	34.7	35.3
	Y=12H	30.3	33.4	31.0	34.0	34.6	31.2	34.2	31.9	34.9	35.4
X=4H	Y=2H	24.0	27.2	24.7	27.8	28.4	24.0	27.2	24.7	27.9	28.4
	Y=3H	28.4	31.7	29.2	32.3	32.8	28.6	31.8	29.3	32.4	33.0
	Y=4H	29.5	31.4	30.5	32.2	33.0	29.9	31.7	30.8	32.6	33.3
	Y=6H	31.0	32.7	32.0	33.5	34.3	31.6	33.2	32.5	34.1	34.8
	Y=8H	31.5	33.0	32.4	33.8	34.6	32.1	33.7	33.1	34.5	35.3
	Y=12H	30.8	32.0	31.8	33.0	33.9	31.5	32.8	32.6	33.8	34.7
X=8H	Y=4H	29.9	31.5	30.9	32.4	33.1	30.3	31.8	31.2	32.7	33.4
	Y=6H	30.8	31.9	31.9	32.8	33.7	31.4	32.4	32.4	33.3	34.2
	Y=8H	30.9	31.7	32.0	32.7	33.7	31.6	32.4	32.7	33.4	34.3
	Y=12H	31.2	32.0	32.3	33.0	33.9	32.0	32.7	33.1	33.8	34.7
X=12H	Y=4H	29.0	30.4	30.1	31.3	32.2	29.4	30.7	30.4	31.6	32.5
	Y=6H	30.4	31.2	31.5	32.2	33.2	30.9	31.7	32.0	32.8	33.7
	Y=8H	31.0	31.7	32.1	32.7	33.7	31.6	32.3	32.7	33.4	34.3
Variations with the objverver position at spacings											
S=1.0H		2.8/-0.7					2.8/-0.8				
S=1.5H		-0.7/-18.0					-0.8/-18.3				
S=2.0H		-0.7/-18.0					-0.8/-18.3				

IES Indoor Report

Photometric Filename:HG-HL100W-R3030.IES

Candela Tabulation

V/H	C0. 0	C5. 0	C10. 0	C15. 0	C20. 0	C25. 0	C30. 0	C35. 0	C40. 0	C45. 0	C50. 0	C55. 0
γ 0. 0	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59
γ 5. 0	4307. 10	4288. 47	4285. 17	4271. 96	4269. 67	4256. 75	4254. 46	4244. 15	4241. 94	4232. 46	4230. 31	4221. 92
γ 10. 0	4283. 70	4268. 55	4263. 15	4253. 22	4250. 38	4241. 12	4237. 84	4229. 31	4225. 74	4217. 95	4215. 05	4208. 50
γ 15. 0	4227. 69	4216. 56	4211. 89	4206. 82	4202. 36	4196. 91	4192. 09	4187. 19	4183. 31	4178. 78	4173. 85	4169. 01
γ 20. 0	4138. 18	4130. 87	4125. 02	4125. 33	4120. 49	4118. 93	4113. 02	4111. 92	4105. 90	4104. 38	4098. 31	4096. 44
γ 25. 0	4015. 58	4012. 62	4005. 84	4012. 25	4005. 90	4009. 03	4002. 44	4005. 04	3999. 04	4000. 49	3992. 30	3993. 05
γ 30. 0	3860. 70	3862. 44	3855. 83	3866. 13	3859. 88	3867. 00	3859. 47	3866. 06	3858. 08	3863. 04	3852. 91	3856. 65
γ 35. 0	3673. 52	3679. 65	3672. 45	3688. 70	3681. 76	3692. 09	3684. 42	3693. 57	3684. 47	3691. 96	3680. 39	3686. 56
γ 40. 0	3449. 55	3459. 69	3453. 55	3475. 63	3468. 28	3483. 70	3474. 10	3486. 43	3475. 87	3485. 86	3473. 20	3481. 49
γ 45. 0	3151. 43	3173. 75	3167. 95	3204. 93	3197. 49	3223. 18	3212. 88	3233. 46	3219. 03	3233. 07	3213. 20	3224. 57
γ 50. 0	2793. 37	2813. 99	2809. 48	2852. 51	2846. 14	2876. 72	2863. 77	2884. 29	2867. 57	2891. 27	2879. 07	2901. 15
γ 55. 0	2452. 22	2478. 44	2466. 54	2496. 43	2485. 67	2517. 89	2507. 76	2538. 73	2532. 06	2554. 26	2532. 75	2551. 42
γ 60. 0	2063. 99	2096. 30	2091. 12	2130. 21	2115. 90	2147. 66	2143. 96	2178. 11	2165. 41	2190. 91	2171. 79	2187. 06
γ 65. 0	1610. 39	1652. 27	1655. 23	1716. 77	1715. 56	1755. 34	1739. 32	1771. 64	1751. 83	1779. 59	1755. 75	1779. 75
γ 70. 0	1169. 11	1207. 19	1207. 73	1261. 43	1260. 96	1302. 50	1288. 08	1321. 88	1304. 93	1331. 09	1312. 69	1337. 92
γ 75. 0	715. 14	751. 40	749. 91	802. 81	800. 24	842. 50	830. 12	868. 89	852. 41	884. 95	863. 44	890. 87
γ 80. 0	334. 35	359. 83	357. 33	396. 84	393. 82	431. 30	421. 75	452. 41	441. 73	466. 42	451. 01	469. 48
γ 85. 0	93. 85	102. 72	106. 16	123. 90	126. 93	141. 11	142. 30	153. 97	153. 07	162. 38	158. 58	166. 65
γ 90. 0	33. 47	33. 34	33. 93	34. 53	34. 96	35. 66	35. 96	37. 54	39. 08	39. 10	39. 68	39. 81
V/H	C60. 0	C65. 0	C70. 0	C75. 0	C80. 0	C85. 0	C90. 0					
γ 0. 0	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59	4232. 59					
γ 5. 0	4219. 64	4212. 24	4210. 52	4203. 64	4201. 05	4194. 11	4192. 25					
γ 10. 0	4204. 55	4198. 16	4194. 54	4188. 68	4184. 65	4179. 03	4174. 35					
γ 15. 0	4163. 17	4158. 93	4152. 91	4148. 53	4140. 64	4135. 59	4128. 34					
γ 20. 0	4088. 54	4086. 50	4077. 48	4074. 56	4064. 81	4061. 90	4049. 61					
γ 25. 0	3982. 98	3982. 65	3971. 22	3970. 33	3957. 53	3955. 38	3940. 86					
γ 30. 0	3843. 89	3845. 38	3831. 94	3833. 11	3817. 80	3816. 42	3798. 77					
γ 35. 0	3671. 85	3674. 98	3659. 30	3662. 40	3644. 13	3644. 25	3623. 75					
γ 40. 0	3466. 20	3472. 01	3454. 72	3457. 54	3437. 06	3438. 46	3415. 06					
γ 45. 0	3203. 93	3215. 18	3191. 62	3198. 99	3170. 44	3173. 48	3138. 98					
γ 50. 0	2878. 68	2887. 90	2857. 04	2859. 16	2827. 08	2834. 17	2804. 57					
γ 55. 0	2531. 45	2545. 93	2518. 67	2531. 68	2502. 96	2501. 46	2461. 21					
γ 60. 0	2160. 48	2179. 70	2158. 22	2170. 72	2137. 52	2142. 88	2102. 43					
γ 65. 0	1756. 69	1771. 42	1736. 92	1751. 91	1711. 49	1717. 66	1670. 93					
γ 70. 0	1310. 48	1326. 98	1293. 44	1299. 06	1270. 04	1278. 56	1243. 17					
γ 75. 0	862. 60	884. 87	854. 90	866. 94	835. 18	845. 13	809. 81					
γ 80. 0	449. 68	465. 20	446. 53	464. 23	435. 55	448. 49	412. 40					
γ 85. 0	160. 07	165. 20	155. 82	159. 73	149. 08	148. 63	135. 39					
γ 90. 0	39. 74	39. 16	39. 39	38. 51	37. 69	36. 77	35. 42					