

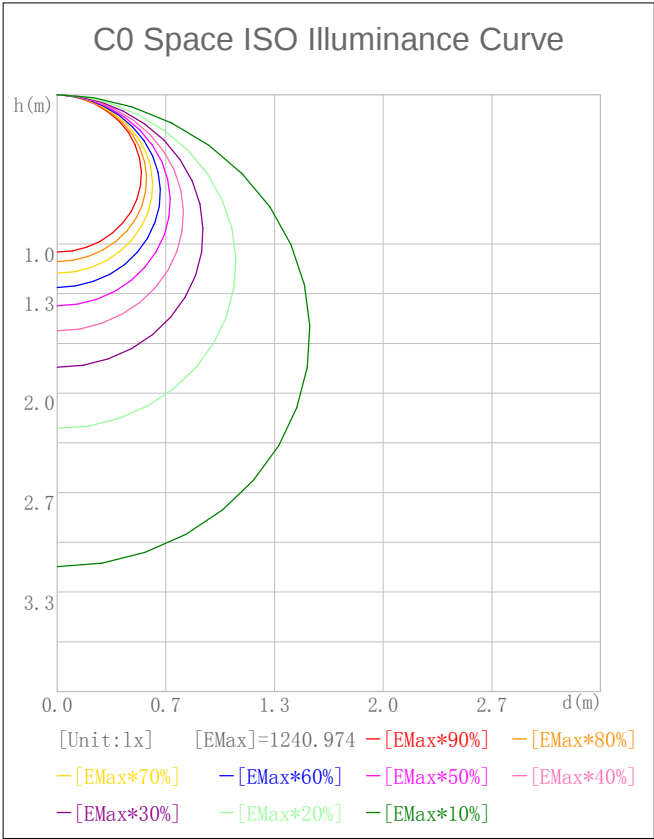
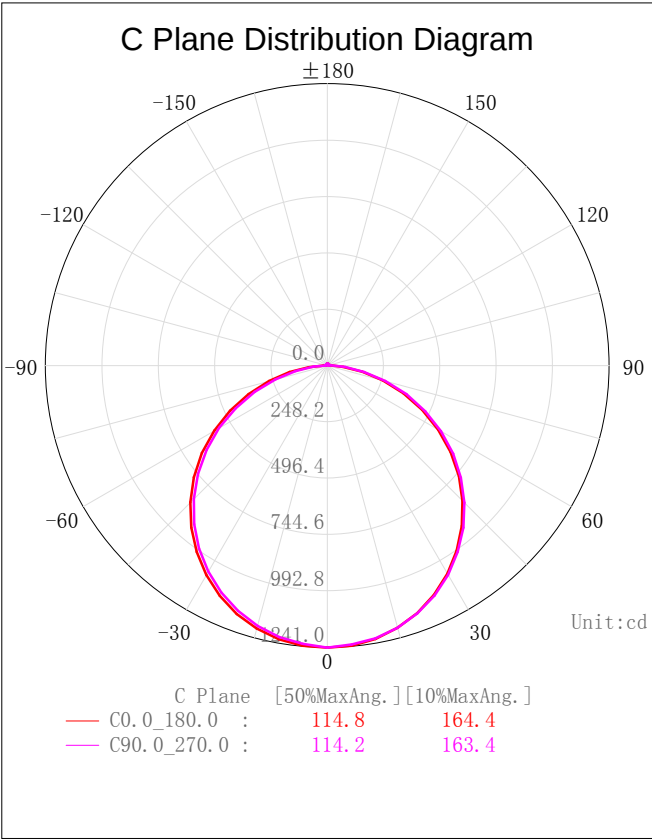
Indoor Luminaire Photometric Data

Description Information

Luminary Name:BR1113	Lum. Catelog:panel light	Test ID:2023030902
Lamp Name:2835	Lamp Catelog:SMD	Test Date:20230309
Manufacture:Deta Electrical Company Limited	Shld.Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K):Ra:
Lum.Size(W*L*H):0.600m*0.600m*0.034m	Lum.Area(m2):0.380	Lum.W(kg):0.000
Test System:C,γ	Test Step:C=90.0γ=5.0	Temp.(°C):25
		Humidity(%):50.0

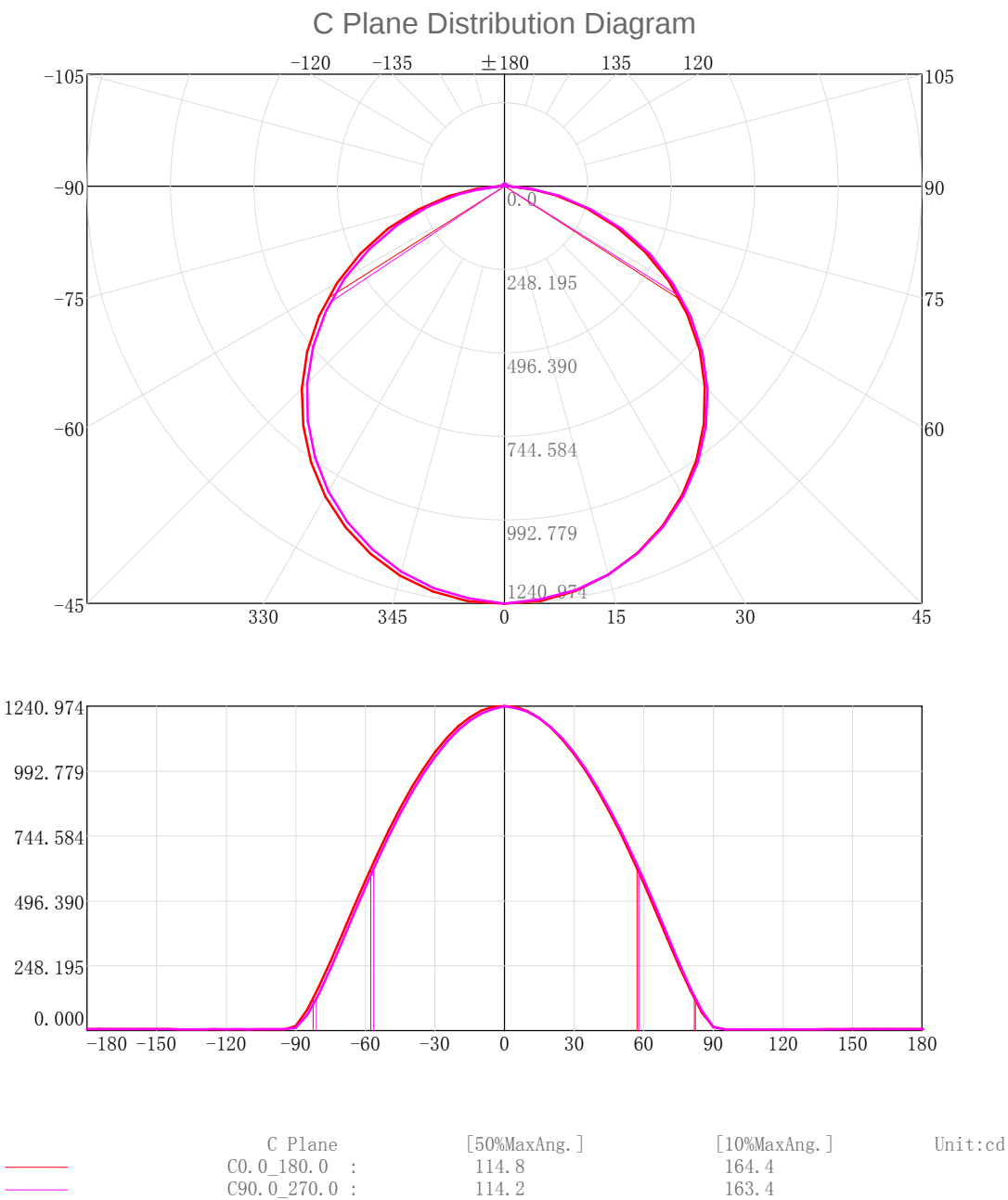
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm):1000.000	Luminary Flux(lm):3690.545	Field Angle(10%Imax):164.4(°)
Rated Power(W):	Luminary Efficiency:369.05%	Down Lumens&Percent:3649.753lm 98.89%
Rated Voltage(V):	Luminary EER(lm/W):113.555	Up Lumens&Percent:40.792lm 1.11%
Tested Power(W):32.500	Max.Candela(cd):1240.974	S/MH:C0_a180=1.271C90_270=1.265
Lamps' Inside:1	Max Cand@Ang.(°):C=0.0γ=0.0	CIE Type:Semi-Direct
Tested Electrics(V,A,pf):239.1,0.145,0.935	Beam Angle(50%Imax):114.8(°)	ErPΦuse(120°):2842.234lm
Lamp Size(W*L*H):0.600m*0.600m*0.034m	Left=-57.6°,Right=57.1°	IRF(%):107.146



2D Plane Light Intensity Distribution Curve

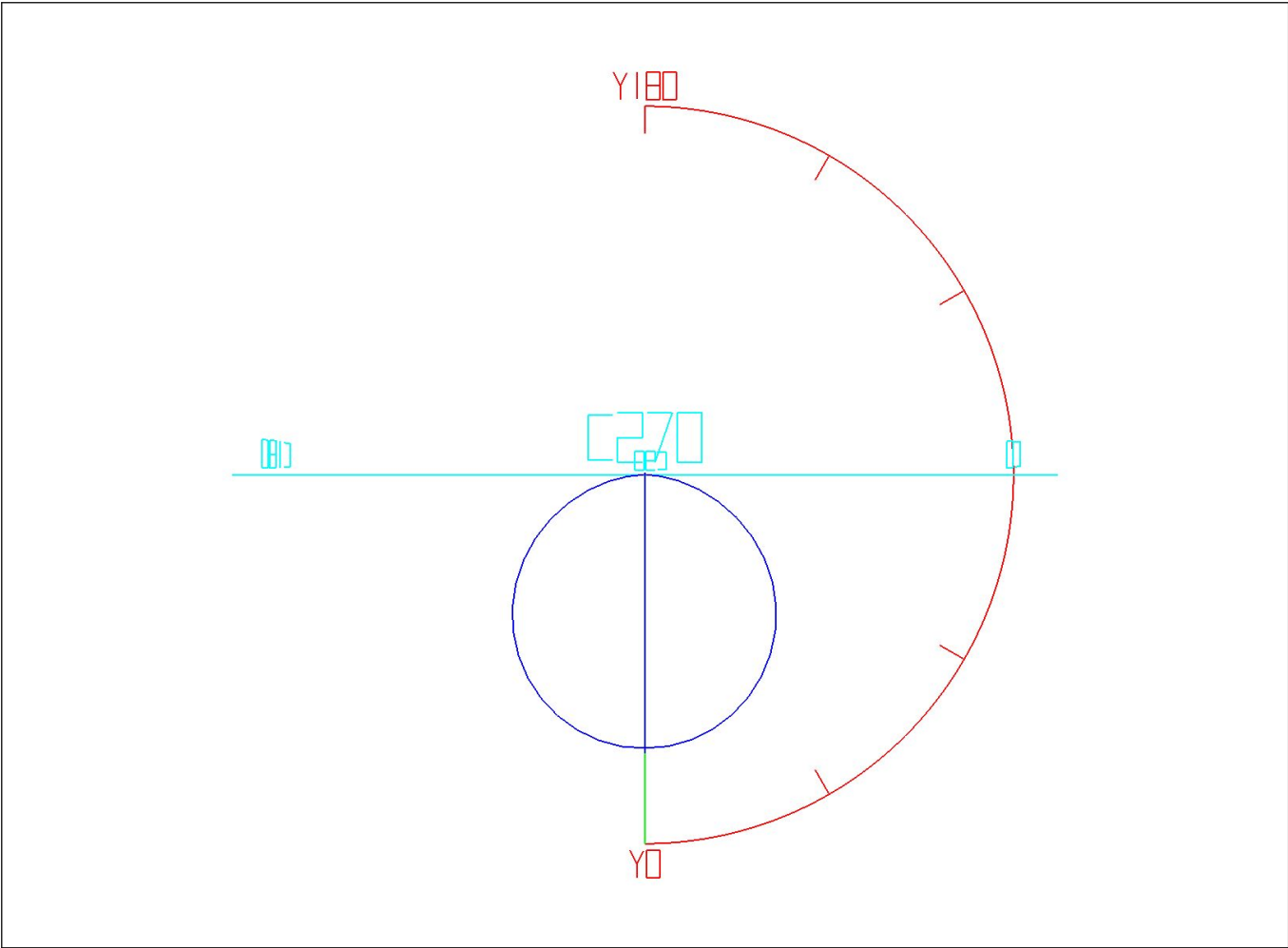
Lum. Name: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309



3D Light Intensity Distribution Modal

Lum. Name: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309

3D Light Intensity Distribution Modal



Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD

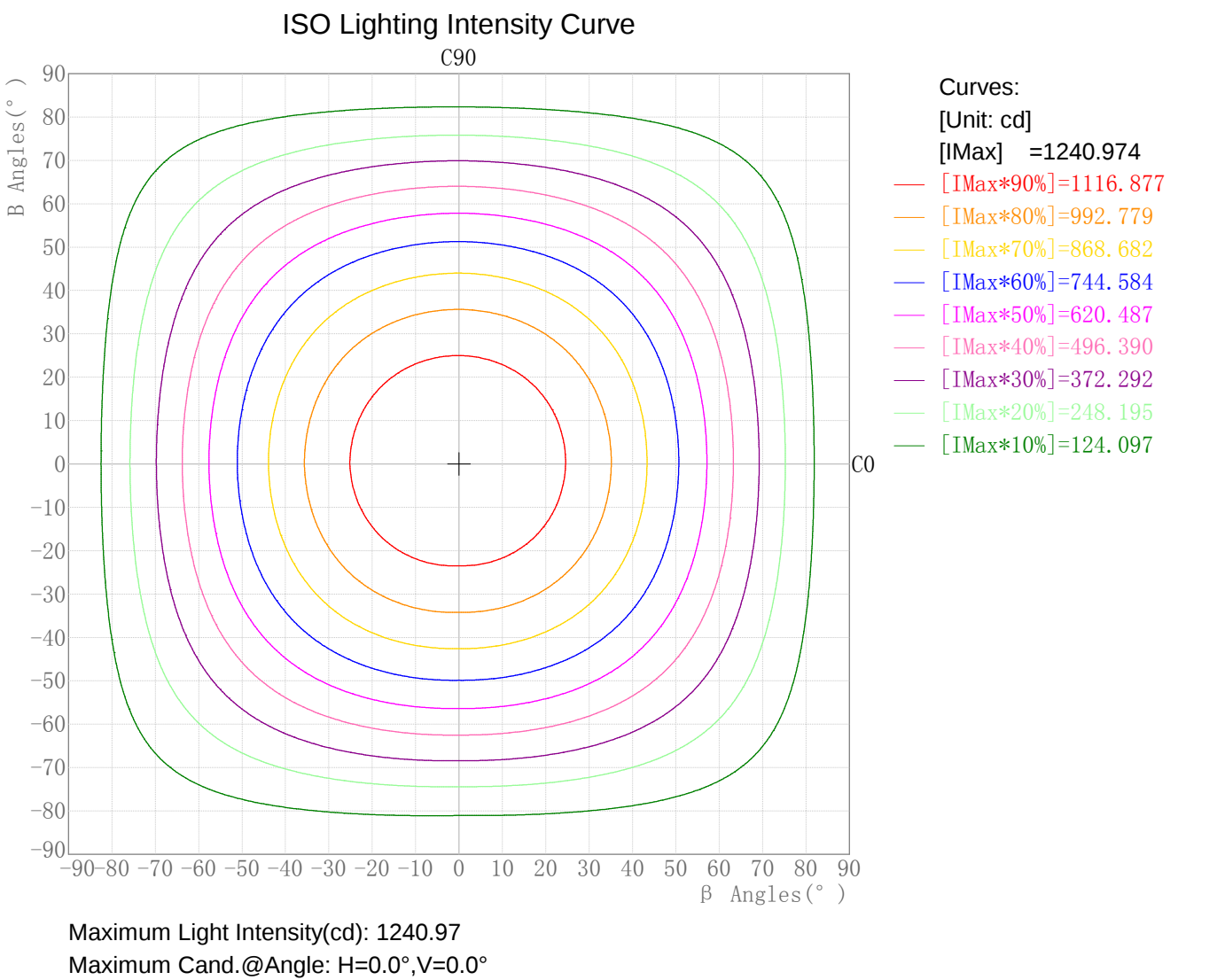
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-5. 0	29. 60	29. 60	2. 96	2. 96
5. 0-10. 0	87. 79	117. 38	8. 78	11. 74
10. 0-15. 0	143. 13	260. 51	14. 31	26. 05
15. 0-20. 0	193. 80	454. 31	19. 38	45. 43
20. 0-25. 0	238. 16	692. 47	23. 82	69. 25
25. 0-30. 0	274. 75	967. 23	27. 48	96. 72
30. 0-35. 0	302. 39	1269. 62	30. 24	126. 96
35. 0-40. 0	320. 15	1589. 77	32. 02	158. 98
40. 0-45. 0	327. 33	1917. 10	32. 73	191. 71
45. 0-50. 0	323. 79	2240. 90	32. 38	224. 09
50. 0-55. 0	309. 46	2550. 36	30. 95	255. 04
55. 0-60. 0	284. 53	2834. 89	28. 45	283. 49
60. 0-65. 0	250. 24	3085. 13	25. 02	308. 51
65. 0-70. 0	207. 98	3293. 11	20. 80	329. 31
70. 0-75. 0	160. 10	3453. 21	16. 01	345. 32
75. 0-80. 0	110. 20	3563. 41	11. 02	356. 34
80. 0-85. 0	62. 48	3625. 89	6. 25	362. 59
85. 0-90. 0	23. 86	3649. 75	2. 39	364. 98
90. 0-95. 0	5. 63	3655. 38	0. 56	365. 54
95. 0-100. 0	3. 21	3658. 59	0. 32	365. 86
100. 0-105. 0	3. 15	3661. 74	0. 32	366. 17
105. 0-110. 0	3. 09	3664. 83	0. 31	366. 48
110. 0-115. 0	3. 01	3667. 84	0. 30	366. 78
115. 0-120. 0	2. 91	3670. 74	0. 29	367. 07
120. 0-125. 0	2. 78	3673. 52	0. 28	367. 35
125. 0-130. 0	2. 63	3676. 16	0. 26	367. 62
130. 0-135. 0	2. 46	3678. 62	0. 25	367. 86
135. 0-140. 0	2. 28	3680. 90	0. 23	368. 09
140. 0-145. 0	2. 09	3682. 99	0. 21	368. 30
145. 0-150. 0	1. 88	3684. 87	0. 19	368. 49
150. 0-155. 0	1. 66	3686. 53	0. 17	368. 65
155. 0-160. 0	1. 40	3687. 93	0. 14	368. 79
160. 0-165. 0	1. 13	3689. 06	0. 11	368. 91
165. 0-170. 0	0. 82	3689. 88	0. 08	368. 99
170. 0-175. 0	0. 50	3690. 38	0. 05	369. 04
175. 0-180. 0	0. 17	3690. 54	0. 02	369. 05

Rectangle ISO Lighting Intensity Diagram

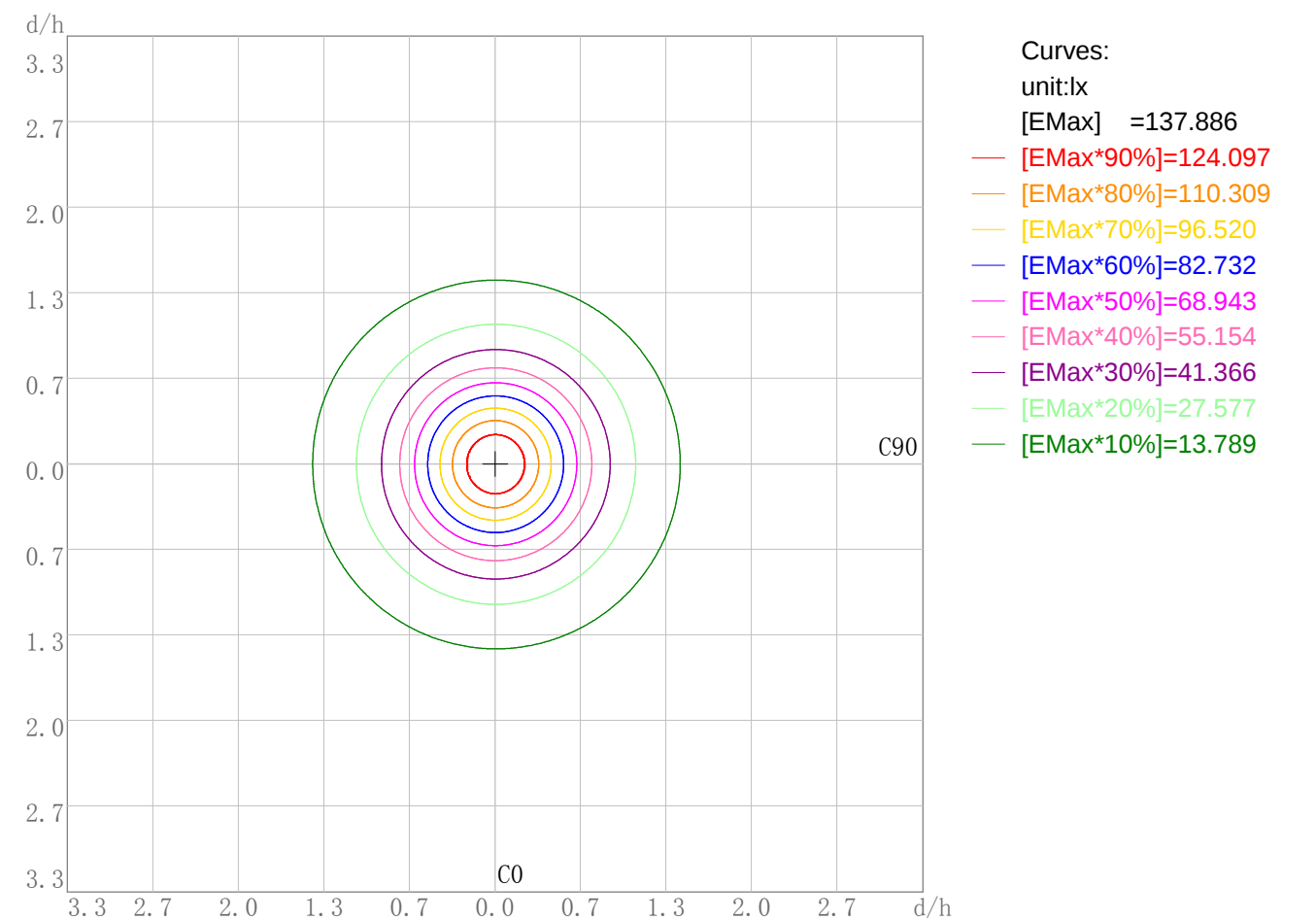
Lum. Name: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309



Plane ISO-Illuminance Diagram

Lum. Name: BR1113	Lum. Catalog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catalog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309

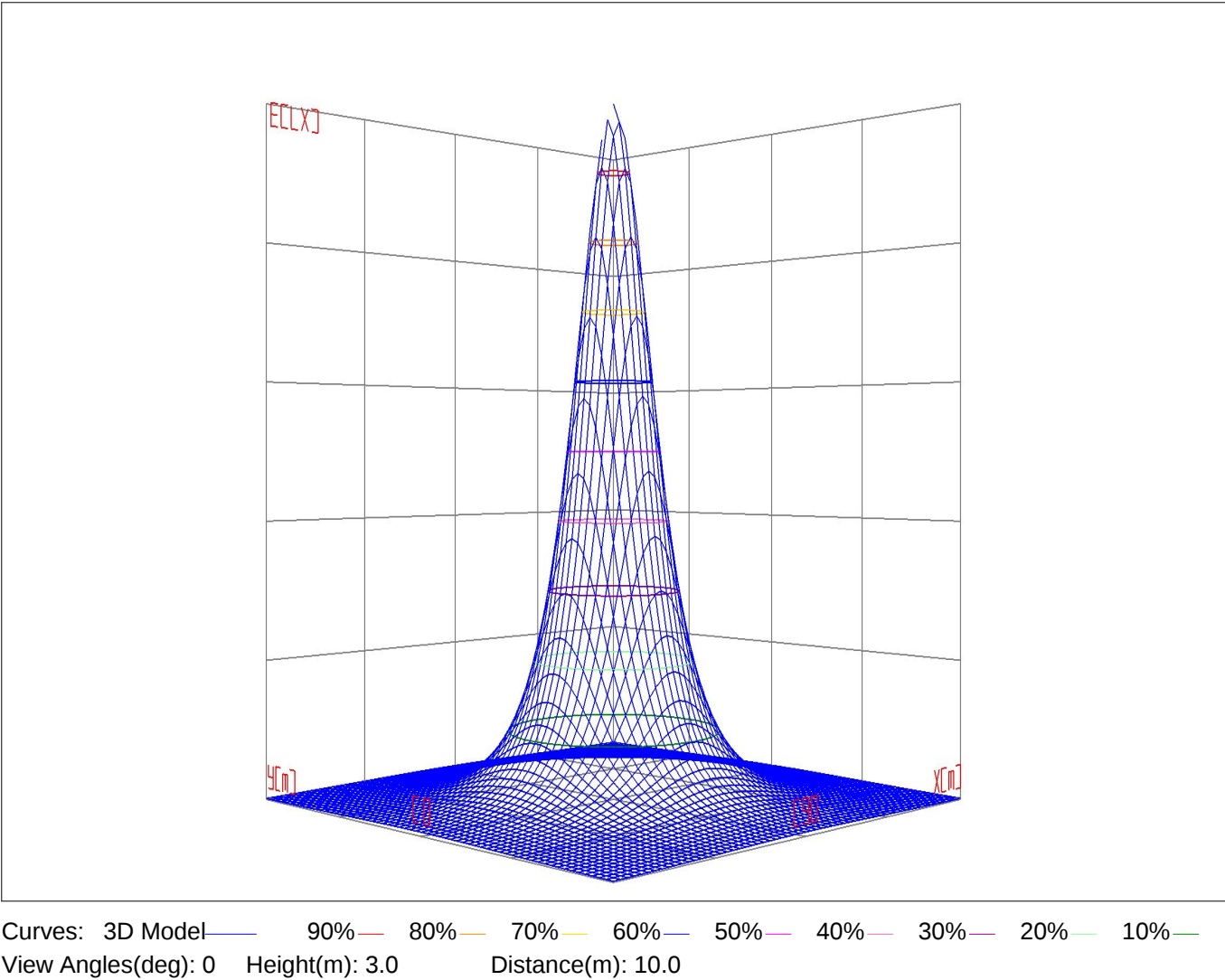
Plane ISO-Illuminance Curve



3D Plane ISO Illuminance Diagram

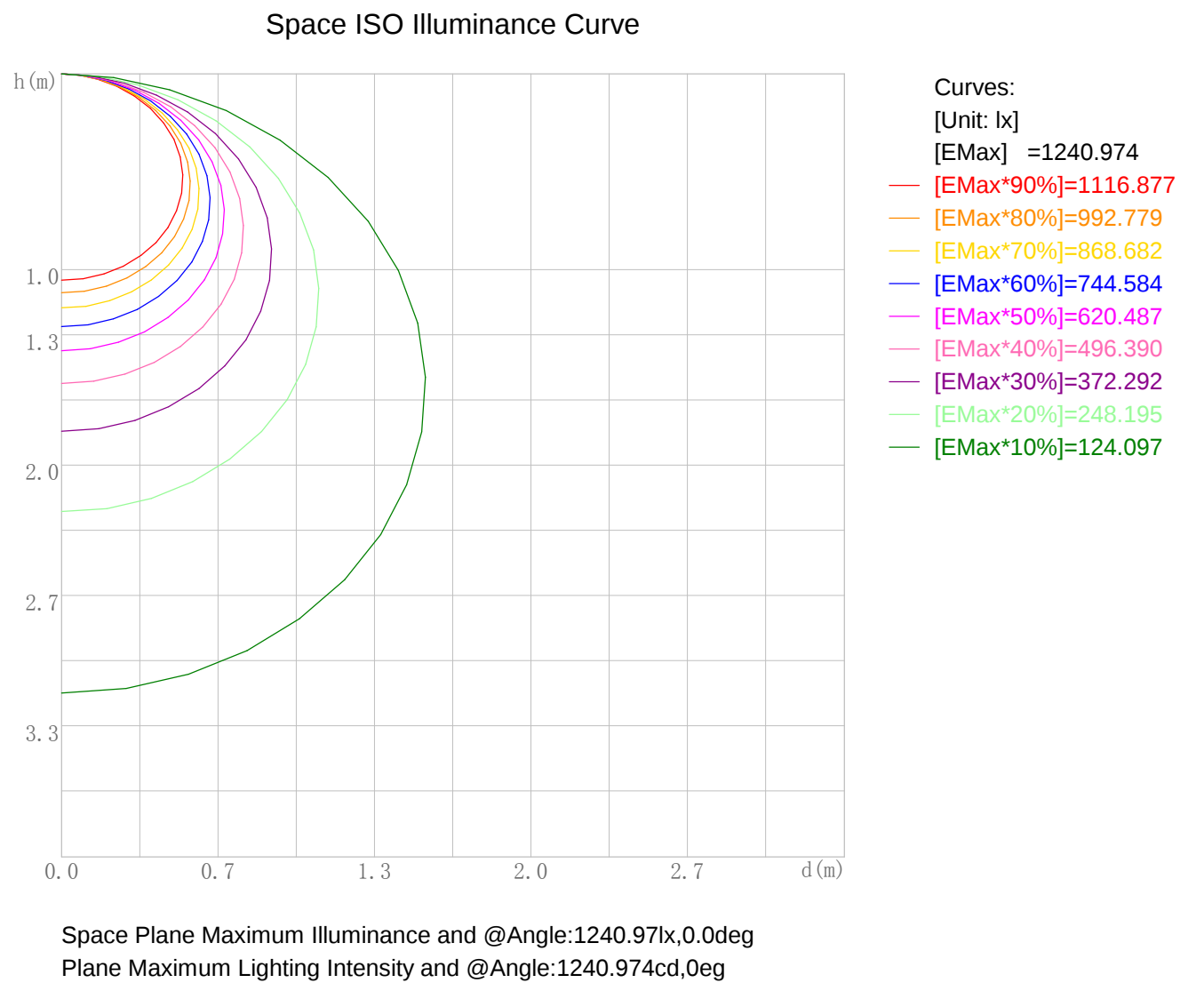
Lum. Name: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309

3D Plane Illuminance Modal



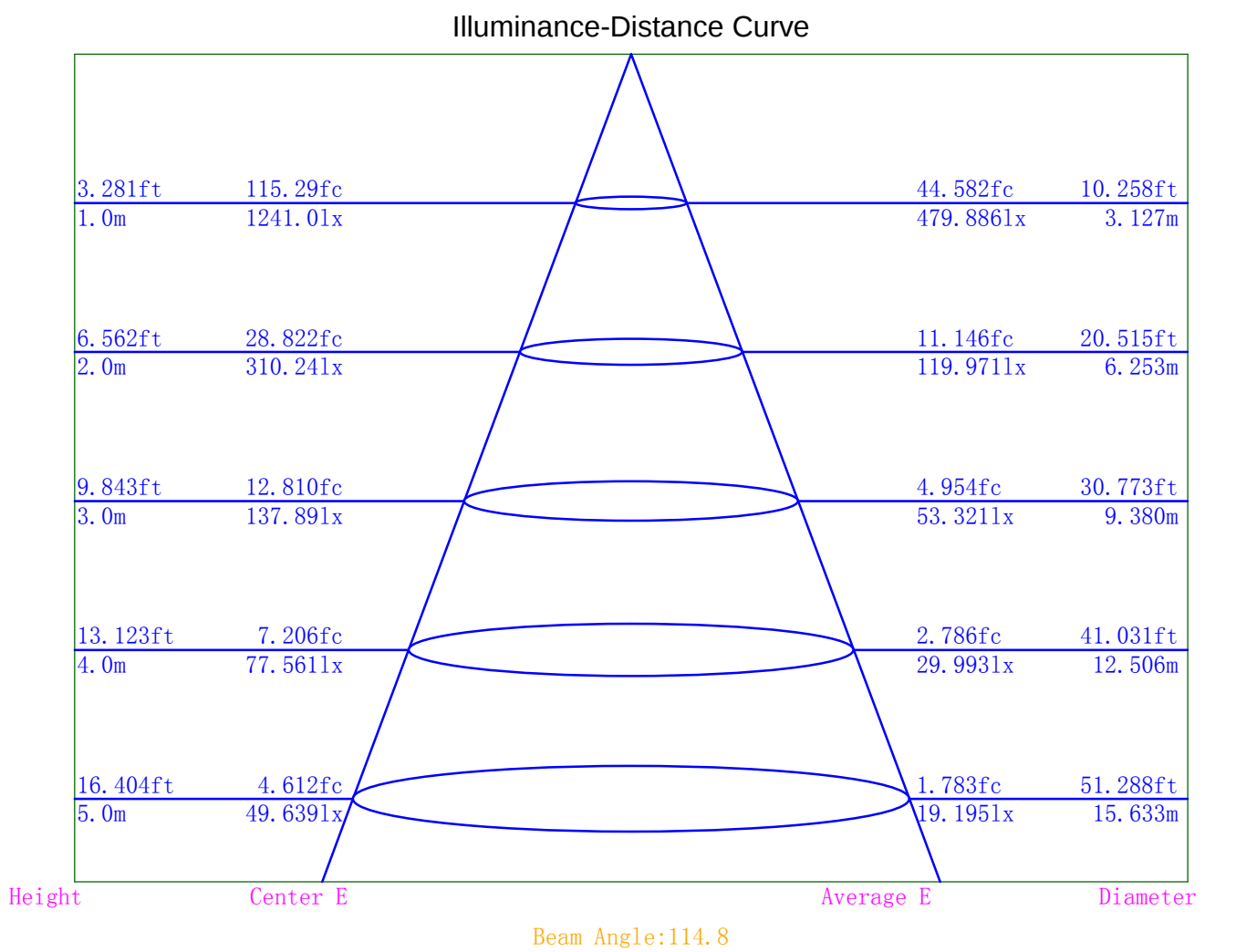
Space ISO Illuminance Diagram

Lum. Name: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309



Illuminance-Distance Diagram

Lum. Name: BR1113	Lum. Catalog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catalog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309



Indoor Luminance Limiting Curves

Lum. Name: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309

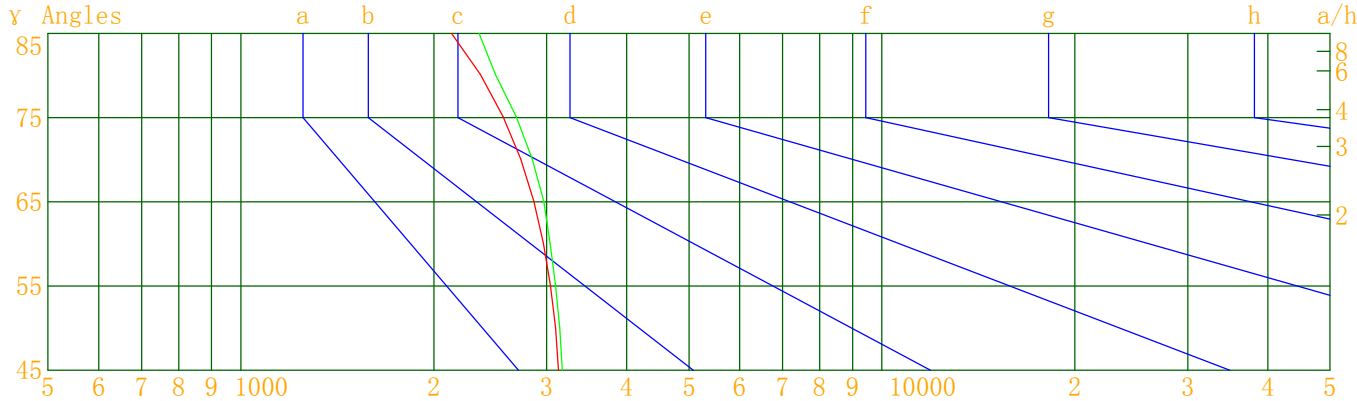
Glare Grade Table

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	3131	3096	3039	2964	2864	2732	2566	2365	2132
C90	3171	3143	3099	3037	2967	2848	2689	2496	2354

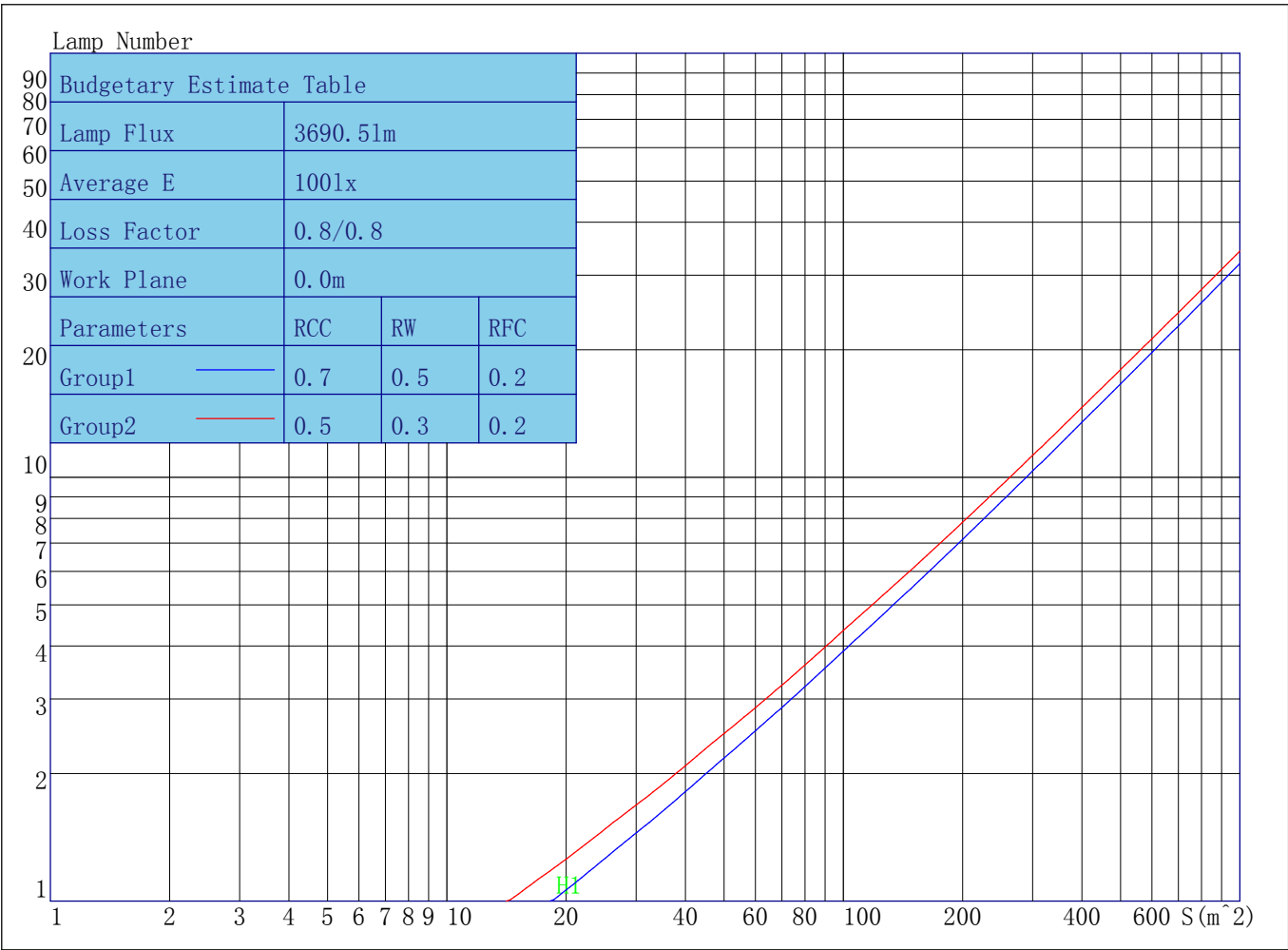
Luminance Limiting Curve



Luminous Size: Length(m)=0.600 Width(m)=0.600 Height(m)=0.034 Area(m^2)=0.380400
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309



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: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309

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	438	438	438	438	428	428	428	428	408	408	408	390	390	390	373	373	373	365
1	399	381	365	350	389	372	357	344	356	343	332	340	331	321	326	318	311	303
2	362	331	305	284	352	324	300	280	310	290	273	297	280	266	285	272	259	251
3	330	290	259	235	320	284	255	232	272	248	228	261	241	223	251	234	219	210
4	301	256	223	198	293	251	220	197	241	215	193	232	209	190	224	204	187	179
5	277	229	195	170	269	224	193	169	216	188	167	208	184	165	201	180	162	154
6	256	206	172	148	248	202	170	147	195	167	146	188	163	144	182	160	142	135
7	237	186	154	131	230	183	152	130	177	149	129	171	146	127	166	143	126	119
8	220	170	138	116	214	167	137	116	162	134	115	157	132	114	152	130	113	106
9	206	156	125	105	200	153	124	104	149	122	103	145	120	103	140	118	102	95
10	193	144	114	95	188	142	113	94	138	112	94	134	110	93	130	108	92	86

Unified Glare Rating Table

Lum. Name: BR1113	Lum. Catelog: panel light	Test ID: 2023030902
Lamp Name: 2835	Lamp Catelog:SMD	Test Lab:
Manufacture:Deta Electrical Company Limited	Test Machine:GON-2000	Test Date:20230309

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	11.0	13.1	11.4	13.5	13.8	11.1	13.3	11.5	13.6	13.9
	12.6	14.6	13.0	15.0	15.3	12.8	14.8	13.1	15.1	15.5
	13.2	15.2	13.6	15.6	16.0	13.4	15.4	13.8	15.8	16.2
	13.7	15.7	14.1	16.0	16.4	13.9	15.9	14.3	16.2	16.7
	13.9	15.8	14.3	16.2	16.6	14.1	16.0	14.5	16.4	16.8
	14.0	15.9	14.4	16.3	16.7	14.2	16.1	14.7	16.5	17.0
X=4H Y=2H	11.6	13.7	12.1	14.0	14.4	11.8	13.8	12.2	14.2	14.5
	13.4	15.3	13.8	15.7	16.1	13.6	15.4	14.0	15.8	16.3
	14.1	15.9	14.5	16.4	16.8	14.3	16.2	14.7	16.6	17.0
	14.7	16.4	15.1	16.9	17.3	14.9	16.7	15.3	17.1	17.6
	14.9	16.6	15.3	17.1	17.5	15.1	16.9	15.6	17.3	17.8
	15.0	16.8	15.5	17.2	17.7	15.3	17.0	15.8	17.5	17.9
X=8H Y=4H	14.3	16.1	14.8	16.5	17.0	14.6	16.3	15.0	16.7	17.2
	15.0	16.7	15.5	17.1	18.0	15.2	16.9	15.7	17.4	18.3
	15.2	16.9	15.7	17.4	17.8	15.5	17.2	16.0	17.6	18.1
	15.4	17.1	15.9	17.5	18.0	15.7	17.4	16.2	17.8	18.3
X=12H Y=4H	14.4	16.1	14.8	16.5	17.0	14.6	16.3	15.0	16.7	17.2
	15.0	16.7	15.5	17.1	17.7	15.3	17.0	15.8	17.4	17.9
	15.3	16.9	15.8	17.4	17.9	15.6	17.2	16.1	17.7	18.2
Variations with the objerver position at spacings										
S=1.0H	0.4/-0.5					0.5/-0.5				
S=1.5H	0.8/-0.9					0.8/-0.8				
S=2.0H	0.9/-1.2					0.9/-1.1				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	2.9					3.0				

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

IES Indoor Report
Photometric Filename:600X600.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
Y 0.0	1240.97	1240.97	1240.97	1240.97
Y 5.0	1237.56	1232.81	1238.57	1229.90
Y 10.0	1221.55	1218.92	1223.60	1213.05
Y 15.0	1195.32	1194.74	1198.35	1185.90
Y 20.0	1158.87	1160.63	1163.36	1149.05
Y 25.0	1113.00	1116.95	1118.59	1102.59
Y 30.0	1057.80	1063.78	1064.51	1047.12
Y 35.0	994.41	1001.77	1001.77	982.79
Y 40.0	922.40	931.55	930.63	910.25
Y 45.0	842.20	853.08	851.49	829.85
Y 50.0	757.13	768.41	765.21	742.34
Y 55.0	663.12	676.17	672.44	648.15
Y 60.0	563.81	577.70	574.06	548.37
Y 65.0	460.36	476.99	471.63	444.45
Y 70.0	355.48	370.52	367.27	338.91
Y 75.0	252.59	264.75	264.54	235.97
Y 80.0	156.20	164.88	167.51	141.03
Y 85.0	70.68	78.03	81.07	60.31
Y 90.0	14.40	15.31	17.74	11.05
Y 95.0	6.15	5.20	5.67	6.67
Y 100.0	6.03	5.17	5.87	6.43
Y 105.0	6.01	5.42	5.81	6.41
Y 110.0	5.91	5.46	6.00	6.24
Y 115.0	6.09	5.68	5.93	6.25
Y 120.0	6.01	5.70	5.99	6.16
Y 125.0	6.08	5.94	6.04	6.25
Y 130.0	6.09	5.89	6.04	6.10
Y 135.0	6.13	6.07	6.17	6.24
Y 140.0	6.28	6.11	6.10	6.21
Y 145.0	6.24	6.34	6.39	6.37
Y 150.0	6.49	6.41	6.47	6.44
Y 155.0	6.62	6.58	6.70	6.66
Y 160.0	6.77	6.66	6.79	6.75
Y 165.0	7.05	6.78	6.98	6.89
Y 170.0	6.95	6.90	7.02	6.87
Y 175.0	7.05	6.95	7.05	6.92
Y 180.0	7.02	7.02	7.02	7.02