

Description Information(From Photometric File)

Photometric File: 900mA 4000K帶罩.IES  
IES Format: IESNA:LM-63-1995  
[TEST] Sealite  
[DATE] 2020/06/27  
[MANUFAC] Sealite  
[LUMCAT]  
[LUMINAIRE]  
[LAMPCAT]  
[LAMP]  
[BALLASTCAT]  
[BALLAST]  
[OTHER] 1 GON-1800  
[More] Temperature:15 Humidity:40  
[More] Frequency:50.0 Voltage:229.7 Current:0.192 Power:41.3 PF:0.936

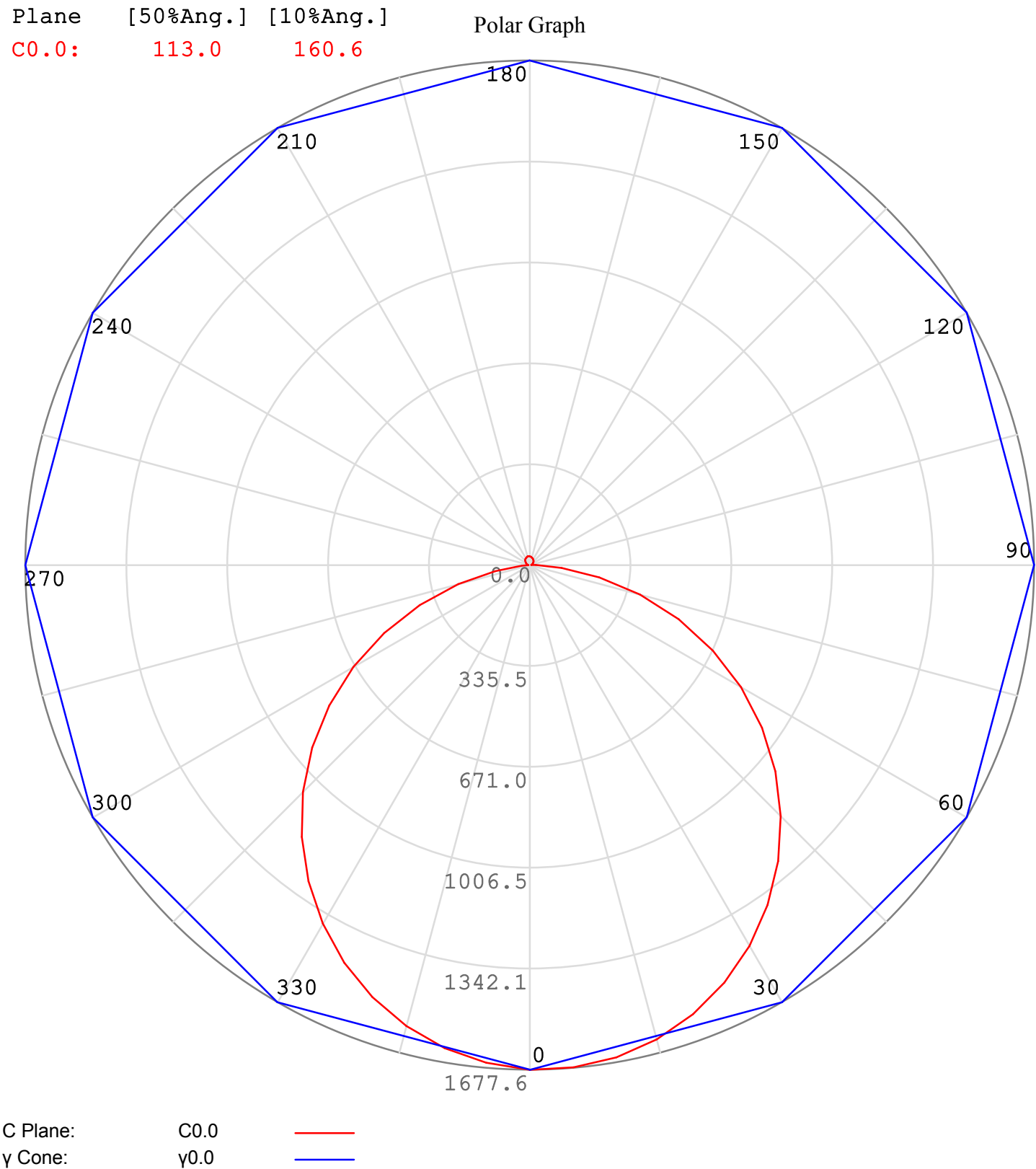
Character

Lamp Power(w):	41.3
Total Rated Lamp Lumens(lm):	7061.55
Luminair Lumens(lm):	5614.51
Total Luminair Efficacy:	79.51%
Luminaire Efficacy Rating(LER):	135.94
Maximum Intencity(cd):	1677.58
Max Cd Angle(deg):	C=0.0 γ=0.0
Downward Lumens(lm):	5201.35
Downward Total Efficiency:	92.64%
Spacing Criteria:	C0_180=0.65 C90_270=0.64
CIE Type:	Semi-Direct
Beam Angle(50%Imax):	Left=-54.0 Right=59.0
Field Angle(10%Imax):	155.6

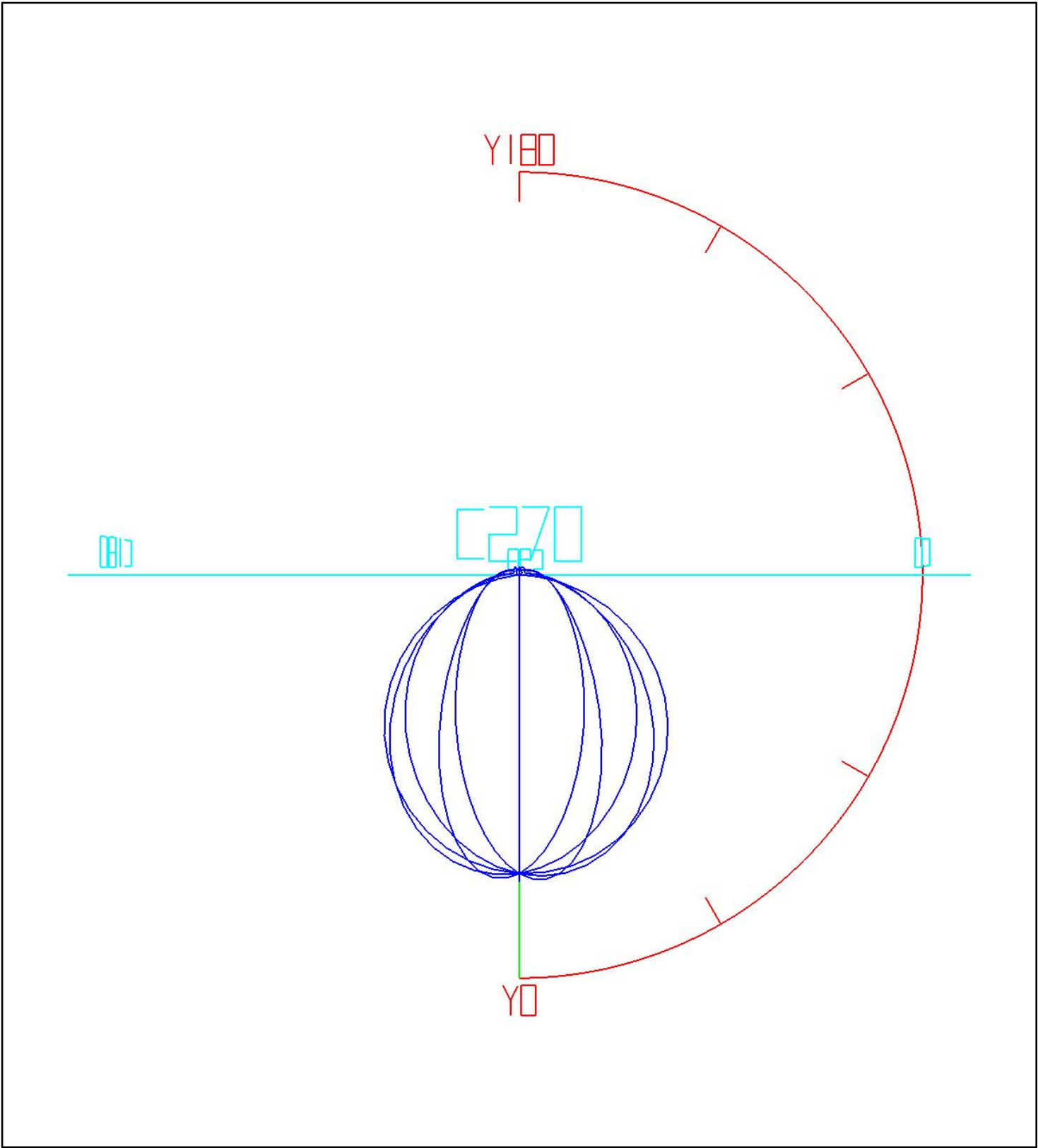
Candela Tabulation

	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0	C360.0
<u>γ 0.0</u>	1677.58	1677.58	1677.58	1677.58	1677.58	1677.58	1677.58	1677.58	1677.58	1677.58	1677.58	1677.58	1677.58
<u>γ 5.0</u>	1675.89	1673.36	1673.77	1673.83	1672.15	1669.94	1660.30	1664.59	1665.90	1672.50	1671.02	1672.92	1675.89
<u>γ 10.0</u>	1661.51	1655.86	1656.44	1651.96	1651.31	1646.37	1630.33	1638.16	1640.44	1649.89	1648.86	1652.27	1661.51
<u>γ 15.0</u>	1632.23	1623.65	1625.15	1617.41	1617.29	1608.98	1586.21	1597.53	1601.16	1613.01	1612.48	1617.32	1632.23
<u>γ 20.0</u>	1588.54	1577.86	1580.37	1570.42	1570.11	1558.00	1528.55	1543.42	1547.48	1563.20	1562.19	1568.03	1588.54
<u>γ 25.0</u>	1531.15	1518.92	1523.53	1511.17	1510.32	1494.70	1458.22	1476.22	1480.69	1500.53	1498.55	1505.41	1531.15
<u>γ 30.0</u>	1461.31	1447.37	1454.54	1440.26	1438.31	1419.47	1375.93	1396.96	1401.61	1424.96	1422.59	1429.89	1461.31
<u>γ 35.0</u>	1379.25	1364.30	1373.94	1358.00	1355.16	1332.97	1282.66	1305.89	1311.48	1338.59	1334.70	1342.48	1379.25
<u>γ 40.0</u>	1284.96	1270.23	1282.10	1265.54	1261.99	1236.22	1179.46	1204.47	1211.86	1241.65	1236.90	1243.89	1284.96
<u>γ 45.0</u>	1180.78	1166.11	1180.94	1164.20	1159.56	1129.92	1066.21	1093.37	1103.35	1135.85	1129.60	1135.07	1180.78
<u>γ 50.0</u>	1066.27	1052.44	1071.37	1055.99	1049.14	1014.96	944.01	973.92	987.24	1022.60	1014.26	1017.14	1066.27
<u>γ 55.0</u>	943.09	930.57	956.21	944.24	934.14	892.40	814.00	847.30	866.58	906.52	893.79	891.29	943.09
<u>γ 60.0</u>	811.43	801.88	838.65	834.58	817.13	764.16	676.86	715.63	746.50	792.76	772.98	759.22	811.43
<u>γ 65.0</u>	672.14	668.79	724.35	731.71	704.95	632.31	534.03	581.19	633.55	687.98	658.50	623.70	672.14
<u>γ 70.0</u>	527.05	536.24	618.82	637.37	601.61	502.60	388.91	450.55	534.05	594.56	556.89	489.94	527.05
<u>γ 75.0</u>	379.02	411.10	523.19	549.81	508.14	382.77	245.69	333.73	445.61	509.22	465.88	367.98	379.02
<u>γ 80.0</u>	234.70	302.42	434.23	465.57	421.23	280.47	116.84	239.15	364.28	428.92	382.22	266.35	234.70
<u>γ 85.0</u>	106.79	211.63	350.84	385.96	340.44	194.75	25.70	162.92	291.11	355.19	306.67	183.93	106.79
<u>γ 90.0</u>	20.65	137.51	275.29	312.40	266.39	125.89	4.59	104.91	227.58	288.94	240.58	119.89	20.65
<u>γ 95.0</u>	4.99	83.16	208.86	246.17	202.67	76.75	5.65	65.64	172.17	229.17	182.57	74.65	4.99
<u>γ 100.0</u>	6.24	52.97	153.62	188.78	149.97	50.69	7.63	44.80	128.47	177.74	136.11	49.96	6.24
<u>γ 105.0</u>	7.66	41.06	112.87	143.44	110.75	41.35	8.96	36.60	90.98	135.24	97.00	39.00	7.66
<u>γ 110.0</u>	9.03	38.60	81.89	107.00	81.75	40.79	11.05	38.68	73.64	103.23	76.78	38.86	9.03
<u>γ 115.0</u>	11.02	38.71	73.20	90.03	73.47	40.84	12.60	38.30	66.92	85.91	67.60	39.90	11.02
<u>γ 120.0</u>	12.59	38.92	70.42	83.91	71.44	36.88	14.35	35.76	65.37	77.66	65.36	40.75	12.59
<u>γ 125.0</u>	14.04	39.32	67.42	80.05	68.72	34.98	16.67	32.34	63.94	74.09	63.87	39.92	14.04
<u>γ 130.0</u>	16.06	38.31	64.29	75.65	65.39	33.28	18.88	32.31	60.31	71.36	61.30	39.53	16.06
<u>γ 135.0</u>	18.31	37.89	60.57	70.86	59.14	34.00	21.11	33.15	53.82	68.36	58.97	38.41	18.31
<u>γ 140.0</u>	19.49	36.85	57.05	65.02	52.08	33.46	22.93	33.12	46.83	63.94	55.57	37.45	19.49
<u>γ 145.0</u>	20.98	35.64	53.05	59.32	45.09	33.81	24.70	33.37	40.81	58.66	51.58	35.93	20.98
<u>γ 150.0</u>	22.19	34.51	49.45	53.72	39.64	33.94	25.99	33.71	37.73	53.17	48.03	34.77	22.19
<u>γ 155.0</u>	23.61	33.67	45.49	48.60	37.24	33.52	26.93	33.47	35.91	48.12	43.40	33.44	23.61
<u>γ 160.0</u>	24.82	32.21	41.61	43.94	35.34	32.16	27.79	32.48	34.39	43.08	39.06	32.18	24.82
<u>γ 165.0</u>	26.01	30.66	37.13	38.86	33.65	30.99	29.45	31.58	32.78	37.87	35.02	30.92	26.01
<u>γ 170.0</u>	27.67	29.88	33.13	33.12	31.40	30.25	29.61	30.77	31.09	32.78	31.83	29.78	27.67
<u>γ 175.0</u>	28.27	29.34	30.97	30.11	30.18	30.03	29.97	30.32	30.24	29.87	29.87	29.20	28.27
<u>γ 180.0</u>	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80

2D Light Intensity Distribution Curve



3D Light Intensity Distribution Curve

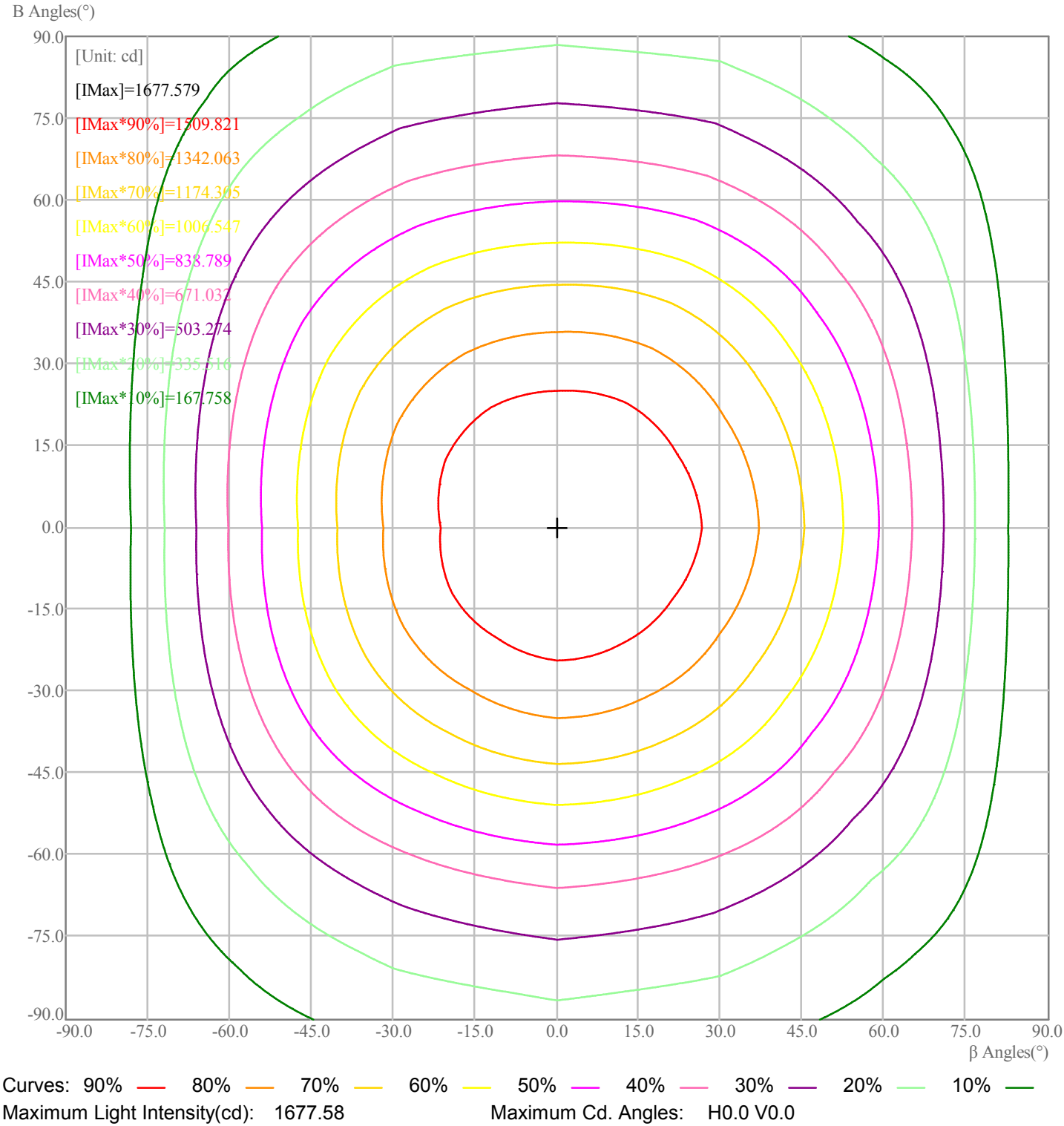


Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —  
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

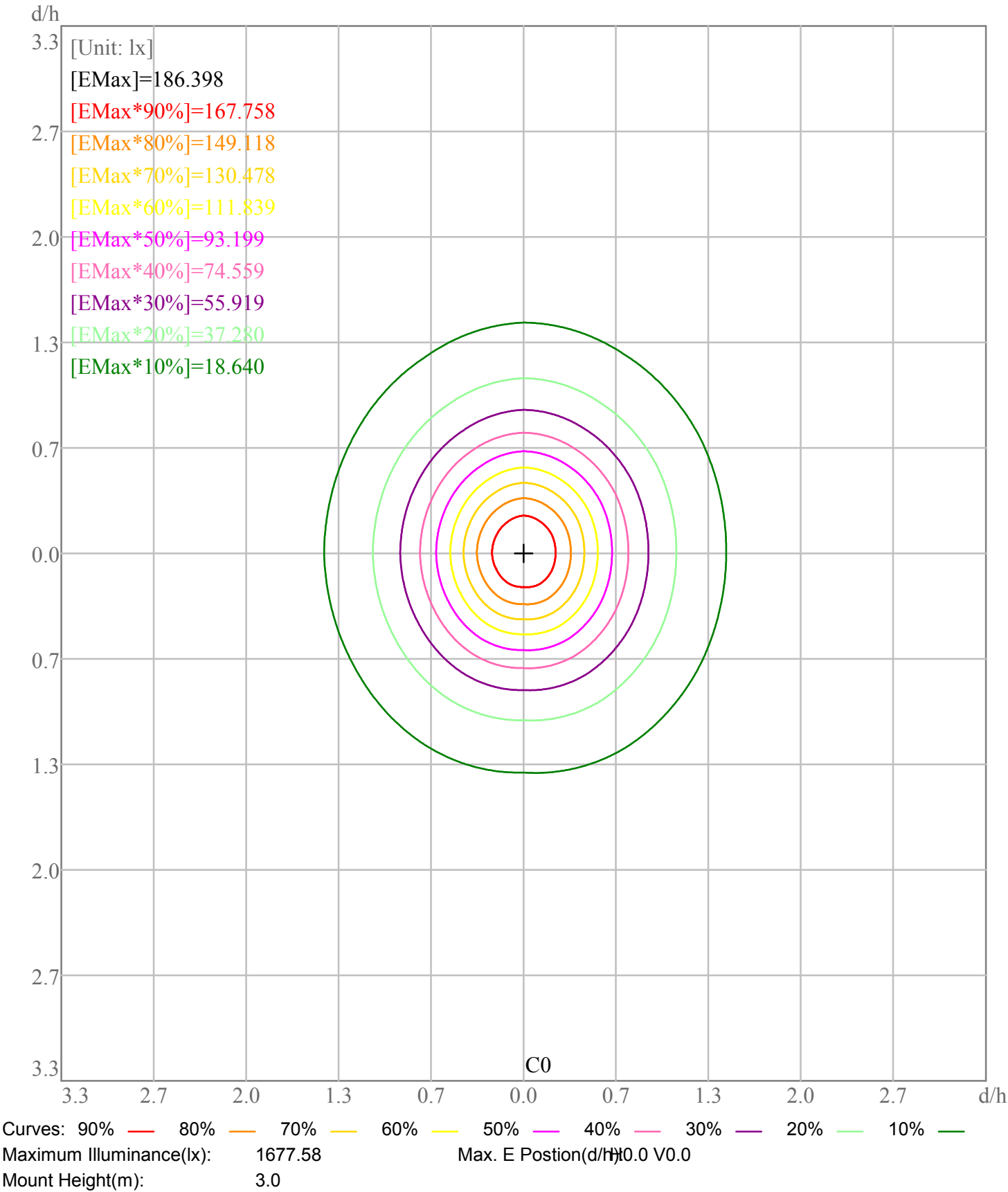
Zonal Liumens Tabulation

Zone( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	40.03	40.03	0.71	0.71
5.0-10.0	118.74	158.76	2.11	2.83
10.0-15.0	193.46	352.22	3.45	6.27
15.0-20.0	261.74	613.96	4.66	10.94
20.0-25.0	321.35	935.31	5.72	16.66
25.0-30.0	370.40	1305.71	6.60	23.26
30.0-35.0	407.32	1713.03	7.25	30.51
35.0-40.0	430.99	2144.02	7.68	38.19
40.0-45.0	440.74	2584.76	7.85	46.04
45.0-50.0	436.36	3021.13	7.77	53.81
50.0-55.0	418.37	3439.50	7.45	61.26
55.0-60.0	388.17	3827.67	6.91	68.17
60.0-65.0	348.14	4175.81	6.20	74.38
65.0-70.0	301.56	4477.38	5.37	79.75
70.0-75.0	251.82	4729.19	4.49	84.23
75.0-80.0	201.98	4931.18	3.60	87.83
80.0-85.0	155.16	5086.34	2.76	90.59
85.0-90.0	115.01	5201.35	2.05	92.64
90.0-95.0	83.90	5285.25	1.49	94.14
95.0-100.0	61.12	5346.37	1.09	95.22
100.0-105.0	44.86	5391.23	0.80	96.02
105.0-110.0	34.12	5425.35	0.61	96.63
110.0-115.0	28.27	5453.62	0.50	97.13
115.0-120.0	25.36	5478.98	0.45	97.59
120.0-125.0	23.28	5502.27	0.41	98.00
125.0-130.0	21.24	5523.50	0.38	98.38
130.0-135.0	19.05	5542.55	0.34	98.72
135.0-140.0	16.64	5559.19	0.30	99.01
140.0-145.0	14.14	5573.33	0.25	99.27
145.0-150.0	11.78	5585.10	0.21	99.48
150.0-155.0	9.60	5594.70	0.17	99.65
155.0-160.0	7.54	5602.24	0.13	99.78
160.0-165.0	5.59	5607.83	0.10	99.88
165.0-170.0	3.79	5611.62	0.07	99.95
170.0-175.0	2.18	5613.80	0.04	99.99
175.0-180.0	0.71	5614.51	0.01	100.00

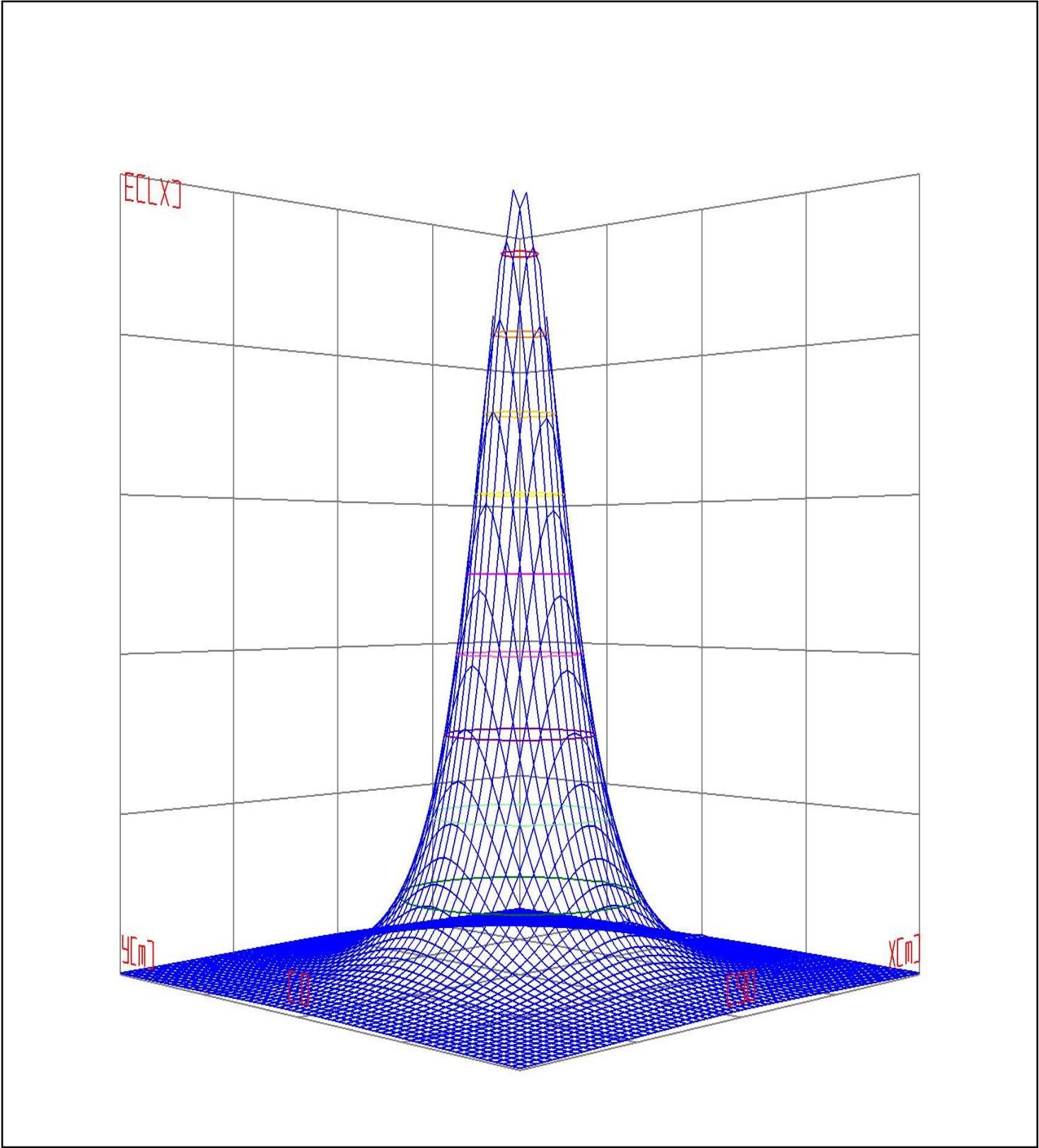
Rectangle ISO Light Intensity Curve



Plane ISO-Illuminance Curve



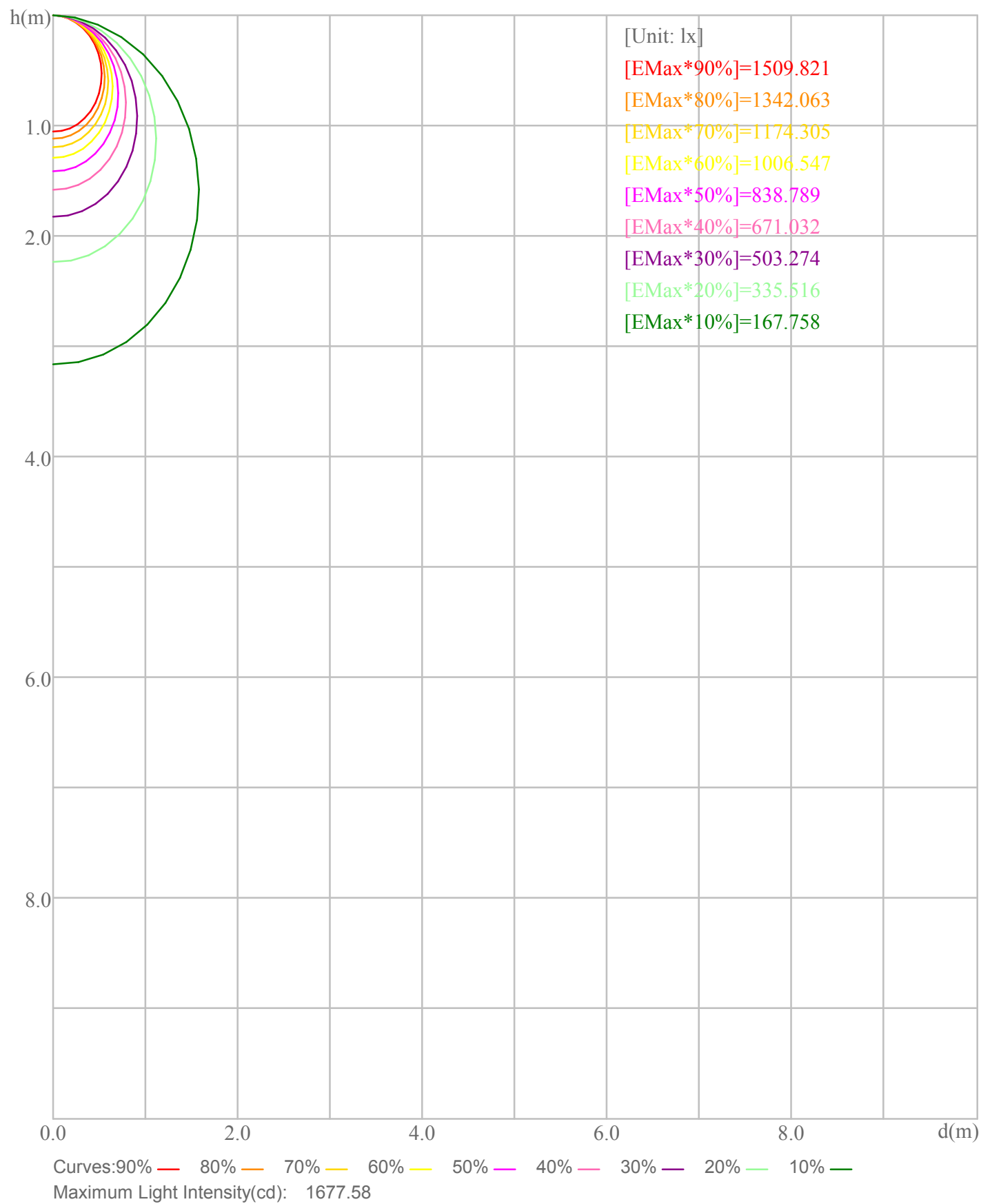
3D Plane ISO Illuminance Curve



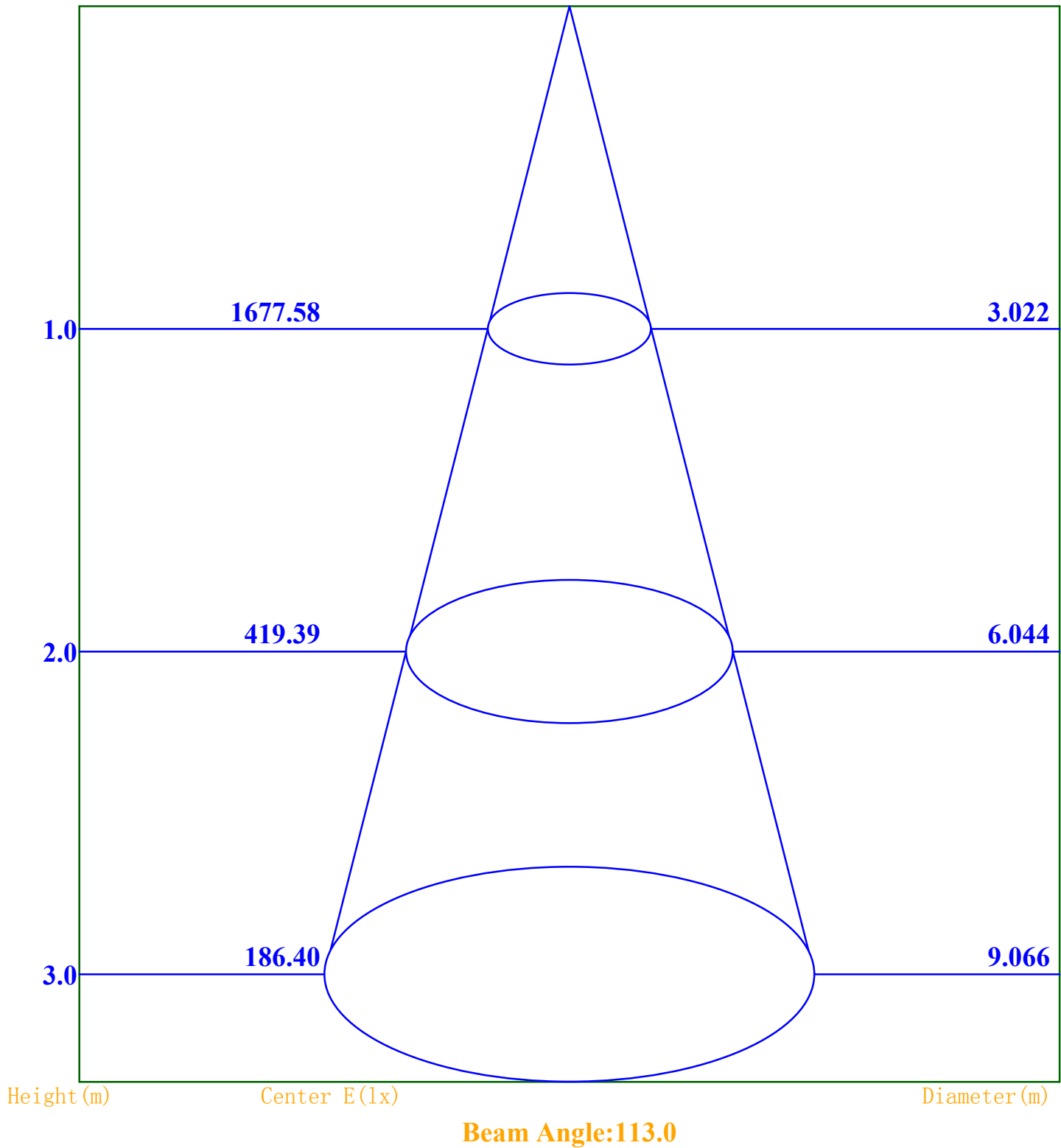
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0



Space ISO Illuminance Curve



Illuminance-Distance Curve



Indoor Luminance Limiting Curve

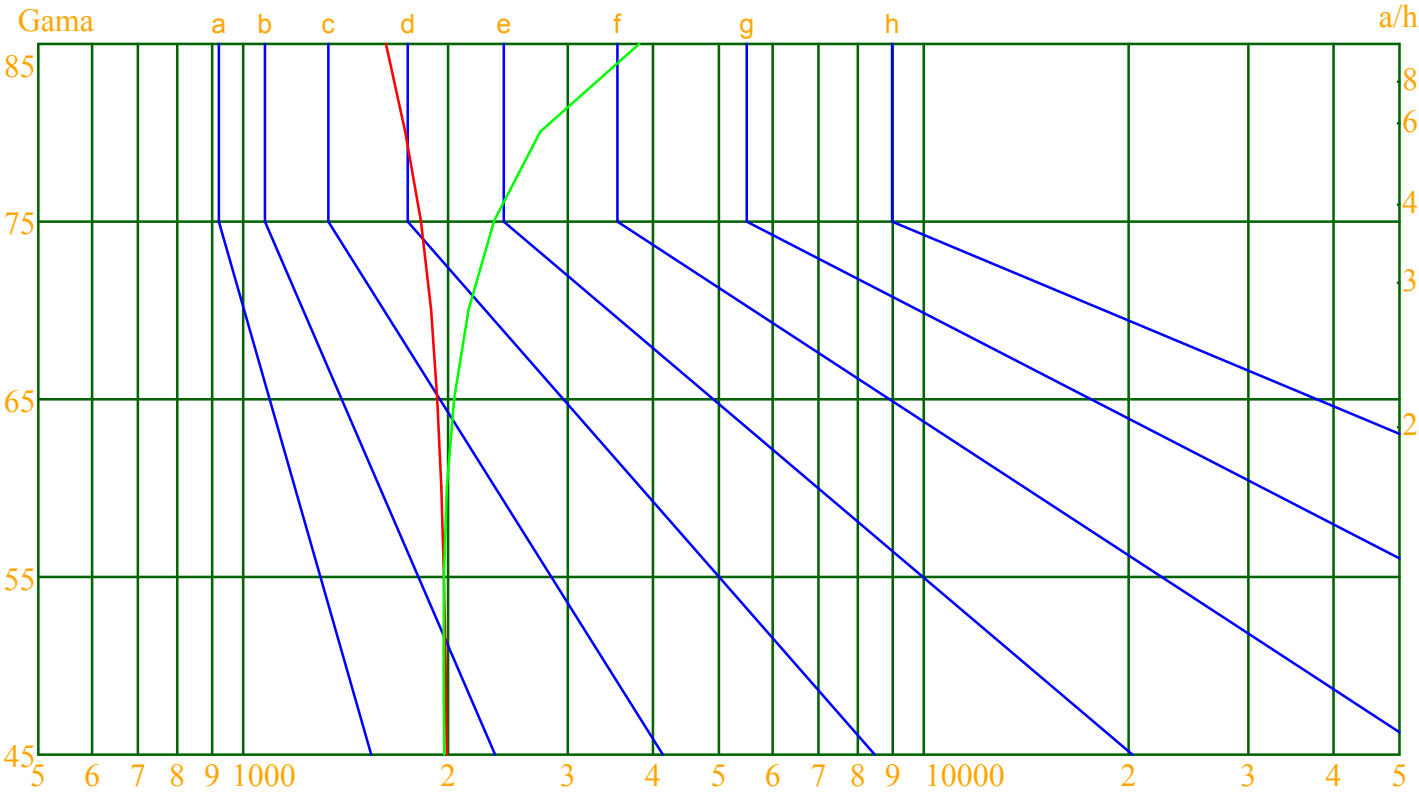
Glare Grade Table

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					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Table

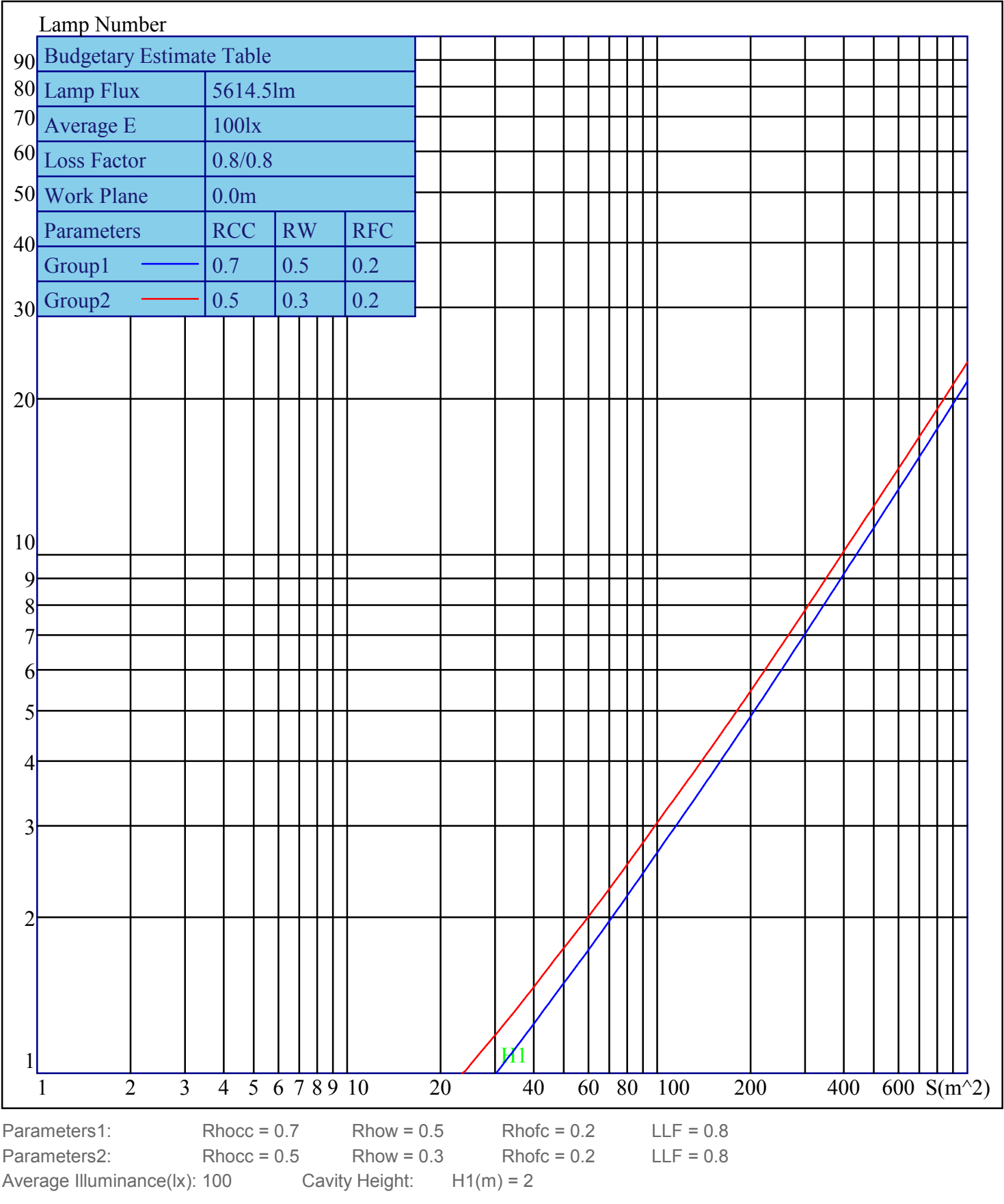
Gama(deg)	45	50	55	60	65	70	75	80	85
C0	3976	3950	3915	3864	3787	3669	3487	3218	2917
C90	3920	3911	3920	3974	4122	4437	5058	6384	10544

Luminance Limiting Curve



Luminous Size: Length(m)=1.500 Width(m)=0.210 Height(m)=0.070 Area(m^2)=0.420000  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table



Indoor Coefficient of Utilization Table

Coefficients of Utilization – Zonal Cavity Method																		
Coefficient	ent 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	93	93	93	93	90	90	90	90	85	85	85	80	80	80	76	76	76	74
1	84	80	76	72	81	77	74	71	73	70	67	69	66	64	65	63	61	59
2	76	69	63	58	73	67	62	57	63	59	55	60	56	53	56	53	51	49
3	69	60	53	48	66	58	52	47	55	50	46	52	48	44	49	46	43	40
4	63	53	46	40	61	52	45	40	49	43	39	46	41	37	44	40	36	34
5	58	47	40	35	56	46	39	34	44	38	33	42	36	32	40	35	31	30
6	53	43	35	30	51	42	35	30	39	33	29	38	32	28	36	31	28	26
7	49	39	31	26	48	38	31	26	36	30	26	34	29	25	33	28	24	23
8	46	35	28	24	44	34	28	23	33	27	23	31	26	22	30	25	22	20
9	43	32	26	21	42	31	25	21	30	24	20	29	24	20	28	23	20	18
10	40	30	23	19	39	29	23	19	28	22	19	27	22	18	26	21	18	16