

Description Information(From Photometric File)

Photometric File: 1050mA 3000K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:229.6 Current:0.226 Power:49.4 PF:0.954

Character

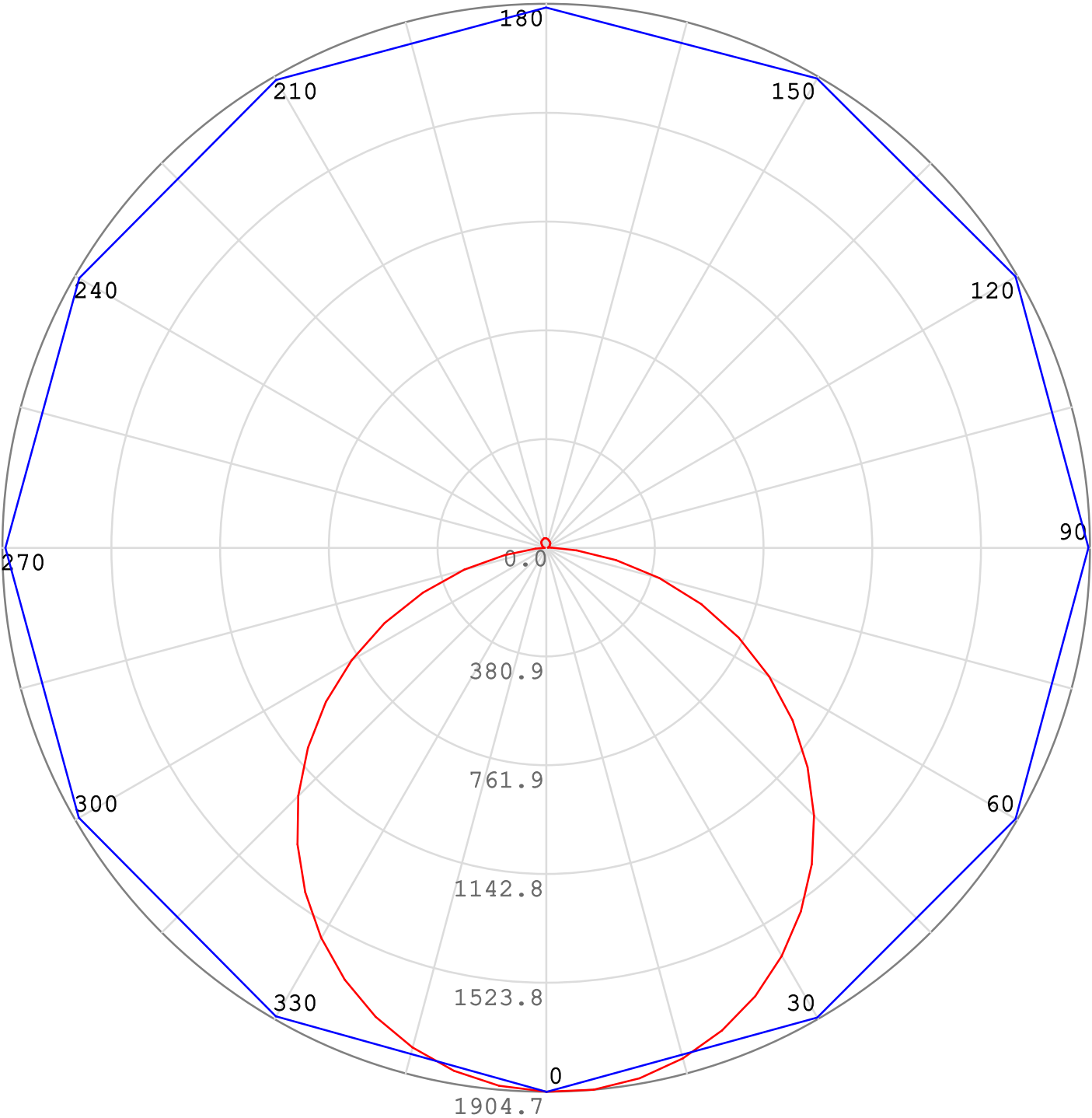
Lamp Power(w):	49.4
Total Rated Lamp Lumens(lm):	8041.55
Luminair Lumens(lm):	6387.43
Total Luminair Efficacy:	79.43%
Luminaire Efficacy Rating(LER):	129.30
Maximum Intencity(cd):	1904.74
Max Cd Angle(deg):	C=0.0 γ=5.0
Downward Lumens(lm):	5911.52
Downward Total Efficiency:	92.55%
Spacing Criteria:	C0_180=0.65 C90_270=0.64
CIE Type:	Semi-Direct
Beam Angle(50%Imax):	Left=-54.6 Right=58.3
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>	1904.14	1904.14	1904.14	1904.14	1904.14	1904.14	1904.14	1904.14	1904.14	1904.14	1904.14	1904.14	1904.14
<u>γ 5.0</u>	1904.74	1899.19	1898.33	1898.77	1898.01	1896.99	1891.00	1890.97	1888.37	1893.71	1890.19	1893.62	1904.74
<u>γ 10.0</u>	1885.85	1878.14	1878.89	1876.03	1877.74	1873.63	1859.21	1861.58	1858.94	1865.90	1861.89	1866.92	1885.85
<u>γ 15.0</u>	1850.48	1840.91	1843.93	1838.50	1842.19	1834.27	1811.06	1816.01	1813.58	1822.34	1817.57	1823.56	1850.48
<u>γ 20.0</u>	1798.81	1788.10	1793.98	1787.10	1791.73	1779.55	1747.13	1754.88	1752.21	1763.93	1757.29	1764.79	1798.81
<u>γ 25.0</u>	1731.90	1720.16	1729.83	1721.63	1726.53	1710.23	1668.67	1678.61	1675.56	1690.56	1682.24	1690.54	1731.90
<u>γ 30.0</u>	1650.27	1638.31	1651.92	1642.82	1647.47	1626.98	1576.56	1588.43	1584.71	1603.19	1593.14	1602.04	1650.27
<u>γ 35.0</u>	1554.86	1542.97	1560.90	1551.15	1555.57	1530.96	1471.83	1485.23	1481.48	1503.11	1491.24	1500.37	1554.86
<u>γ 40.0</u>	1446.40	1435.43	1457.58	1447.79	1451.85	1422.98	1355.11	1369.65	1367.19	1391.67	1377.89	1386.03	1446.40
<u>γ 45.0</u>	1326.03	1316.49	1343.28	1334.76	1337.61	1303.76	1227.33	1243.11	1243.05	1269.62	1254.01	1260.39	1326.03
<u>γ 50.0</u>	1194.82	1187.26	1220.33	1215.02	1214.69	1174.76	1089.17	1107.13	1110.09	1140.34	1121.56	1124.75	1194.82
<u>γ 55.0</u>	1053.25	1049.21	1092.41	1091.96	1087.11	1036.99	941.85	963.26	973.28	1008.41	984.75	980.76	1053.25
<u>γ 60.0</u>	902.29	903.03	962.16	971.74	957.54	892.52	786.47	813.44	837.66	899.45	849.03	830.52	902.29
<u>γ 65.0</u>	743.25	753.41	836.68	858.18	832.96	744.32	624.31	660.72	711.97	766.23	723.24	677.43	743.25
<u>γ 70.0</u>	578.04	605.25	719.57	751.84	717.05	598.36	459.12	513.14	601.59	663.34	611.94	528.61	578.04
<u>γ 75.0</u>	410.36	466.55	611.08	651.50	609.55	462.57	295.89	381.09	502.92	568.75	512.44	395.41	410.36
<u>γ 80.0</u>	248.30	344.86	509.06	554.40	508.67	343.94	147.00	274.38	412.83	480.45	421.30	286.18	248.30
<u>γ 85.0</u>	107.20	241.45	412.94	461.70	413.57	242.34	37.38	188.73	332.20	399.61	339.54	198.14	107.20
<u>γ 90.0</u>	18.20	156.56	324.96	375.29	326.37	158.88	4.84	123.38	261.79	327.09	267.70	130.09	18.20
<u>γ 95.0</u>	5.43	94.28	247.16	296.95	249.20	97.21	6.35	78.21	200.60	261.60	205.32	82.00	5.43
<u>γ 100.0</u>	6.83	60.18	181.73	228.21	184.44	62.24	8.42	53.60	151.36	204.53	153.95	55.23	6.83
<u>γ 105.0</u>	8.18	46.06	133.15	173.27	135.71	47.87	10.31	41.72	108.31	157.88	111.14	42.08	8.18
<u>γ 110.0</u>	10.04	43.50	96.11	128.23	96.94	46.23	12.79	42.94	86.50	120.93	87.29	41.81	10.04
<u>γ 115.0</u>	11.81	43.67	83.91	105.01	85.05	46.69	14.58	42.68	75.62	98.55	75.19	42.67	11.81
<u>γ 120.0</u>	13.79	44.08	80.31	96.25	81.78	43.72	16.43	39.53	72.65	87.09	71.47	44.31	13.79
<u>γ 125.0</u>	15.53	44.03	76.76	91.46	78.52	40.60	18.70	36.10	70.69	81.90	69.50	43.31	15.53
<u>γ 130.0</u>	17.88	43.03	72.85	86.34	74.94	38.13	21.34	35.85	67.72	78.45	67.22	42.67	17.88
<u>γ 135.0</u>	20.10	42.46	68.79	80.58	69.25	38.64	23.86	36.65	59.44	74.79	64.57	42.04	20.10
<u>γ 140.0</u>	21.70	41.43	65.04	74.22	60.76	38.23	26.09	37.00	51.83	69.70	61.32	40.43	21.70
<u>γ 145.0</u>	23.32	40.33	60.77	68.48	52.26	38.85	28.01	37.05	44.93	64.15	56.87	39.54	23.32
<u>γ 150.0</u>	25.03	39.30	56.34	61.24	45.98	38.70	29.54	37.62	41.53	58.27	52.63	38.25	25.03
<u>γ 155.0</u>	26.40	38.18	51.91	55.69	42.51	38.61	30.53	37.32	39.84	52.80	47.92	36.96	26.40
<u>γ 160.0</u>	27.40	36.40	47.26	50.30	40.46	37.36	31.67	36.37	38.13	47.05	43.17	35.44	27.40
<u>γ 165.0</u>	29.39	34.26	42.48	44.06	38.13	35.67	33.40	35.40	36.40	41.83	38.53	33.83	29.39
<u>γ 170.0</u>	30.78	33.23	37.69	37.83	36.13	34.70	33.73	34.54	34.51	36.29	35.19	32.85	30.78
<u>γ 175.0</u>	31.72	32.77	34.97	34.16	34.35	33.75	34.04	34.01	33.61	33.18	33.72	32.73	31.72
<u>γ 180.0</u>	33.42	33.42	33.42	33.42	33.42	33.42	33.42	33.42	33.42	33.42	33.42	33.42	33.42

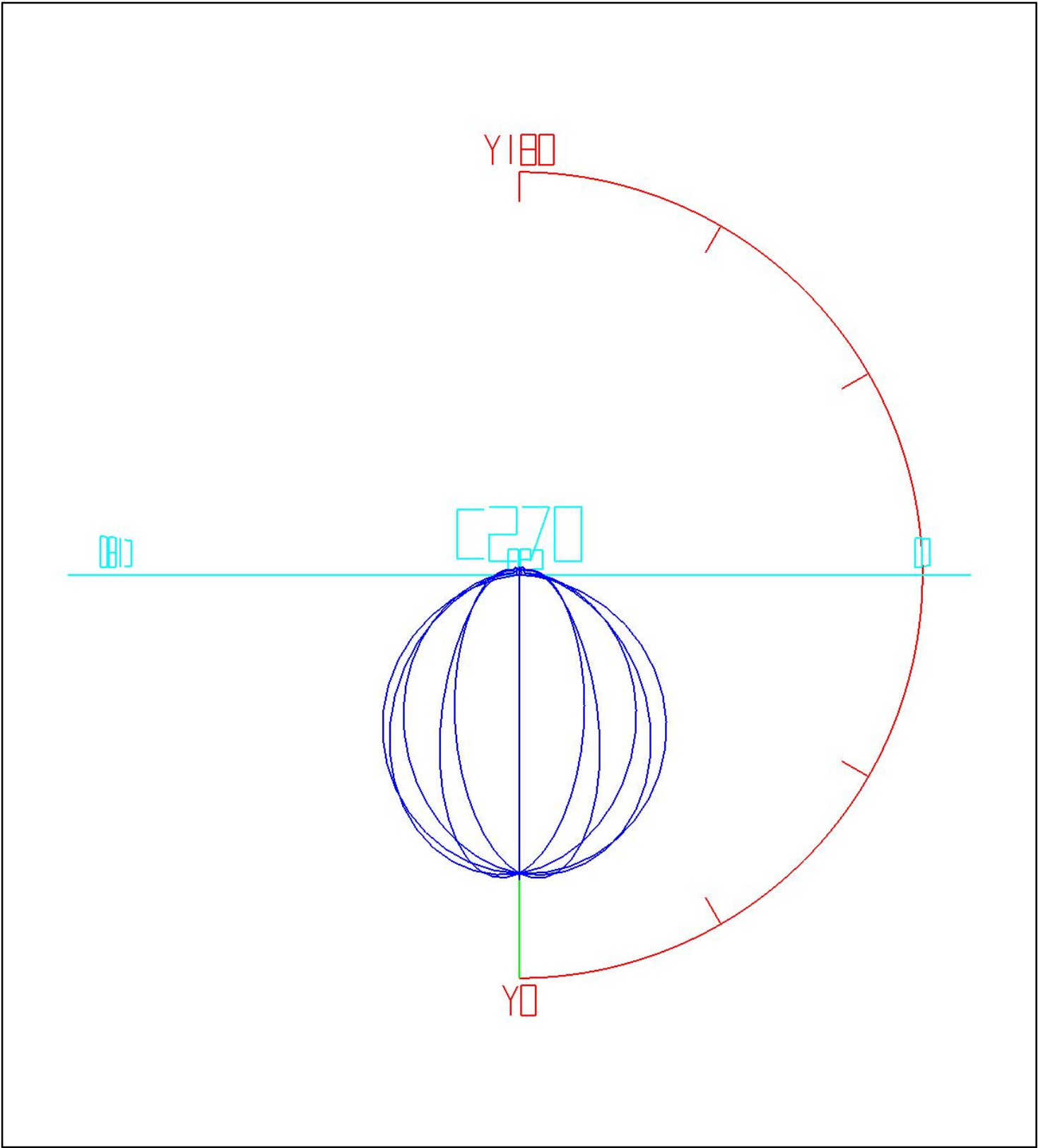
2D Light Intensity Distribution Curve

Plane [50%Ang.] [10%Ang.] Polar Graph
C0.0: 113.0 160.6



C Plane: C0.0
γ Cone: γ5.0

3D Light Intensity Distribution Curve

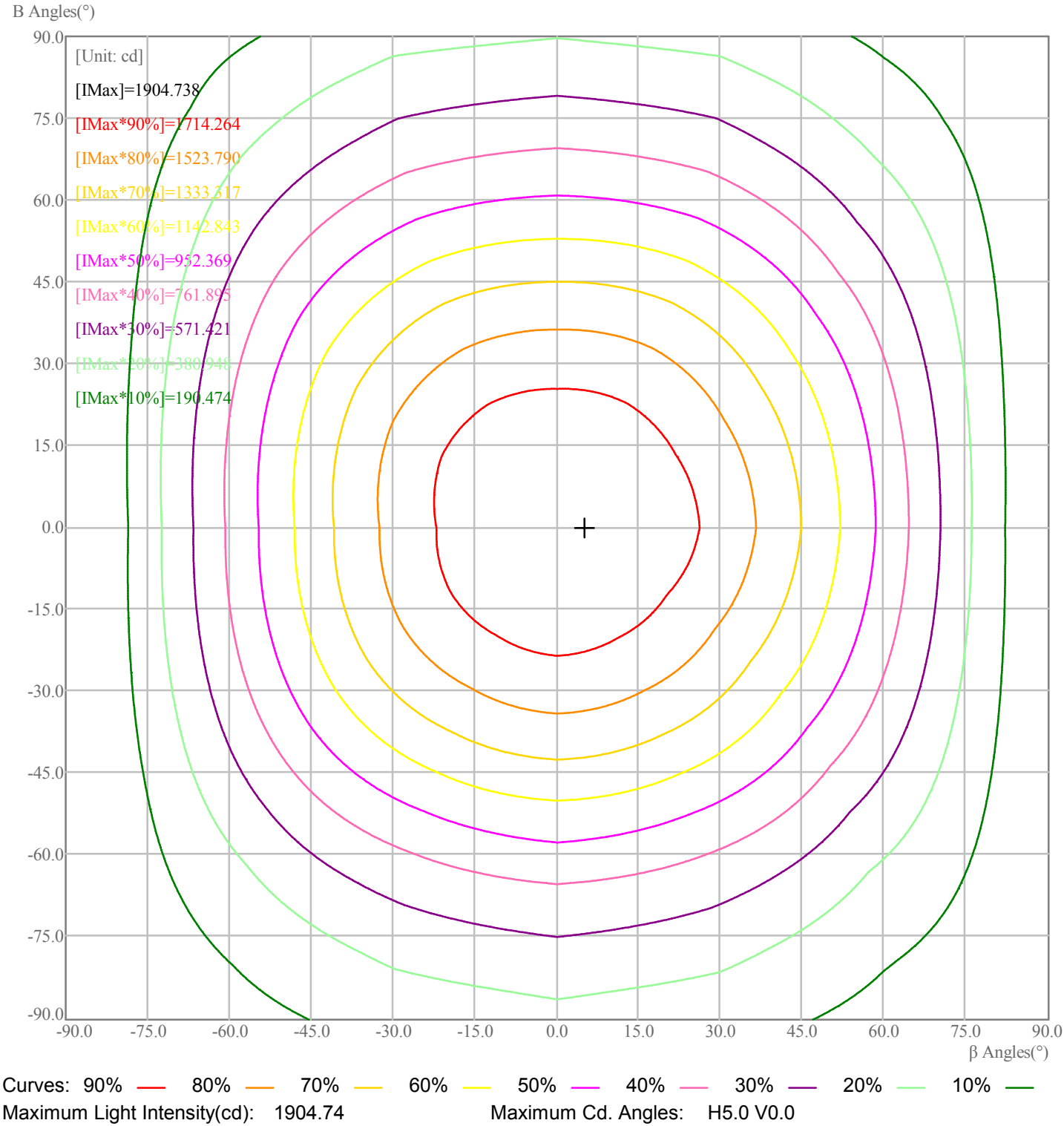


Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

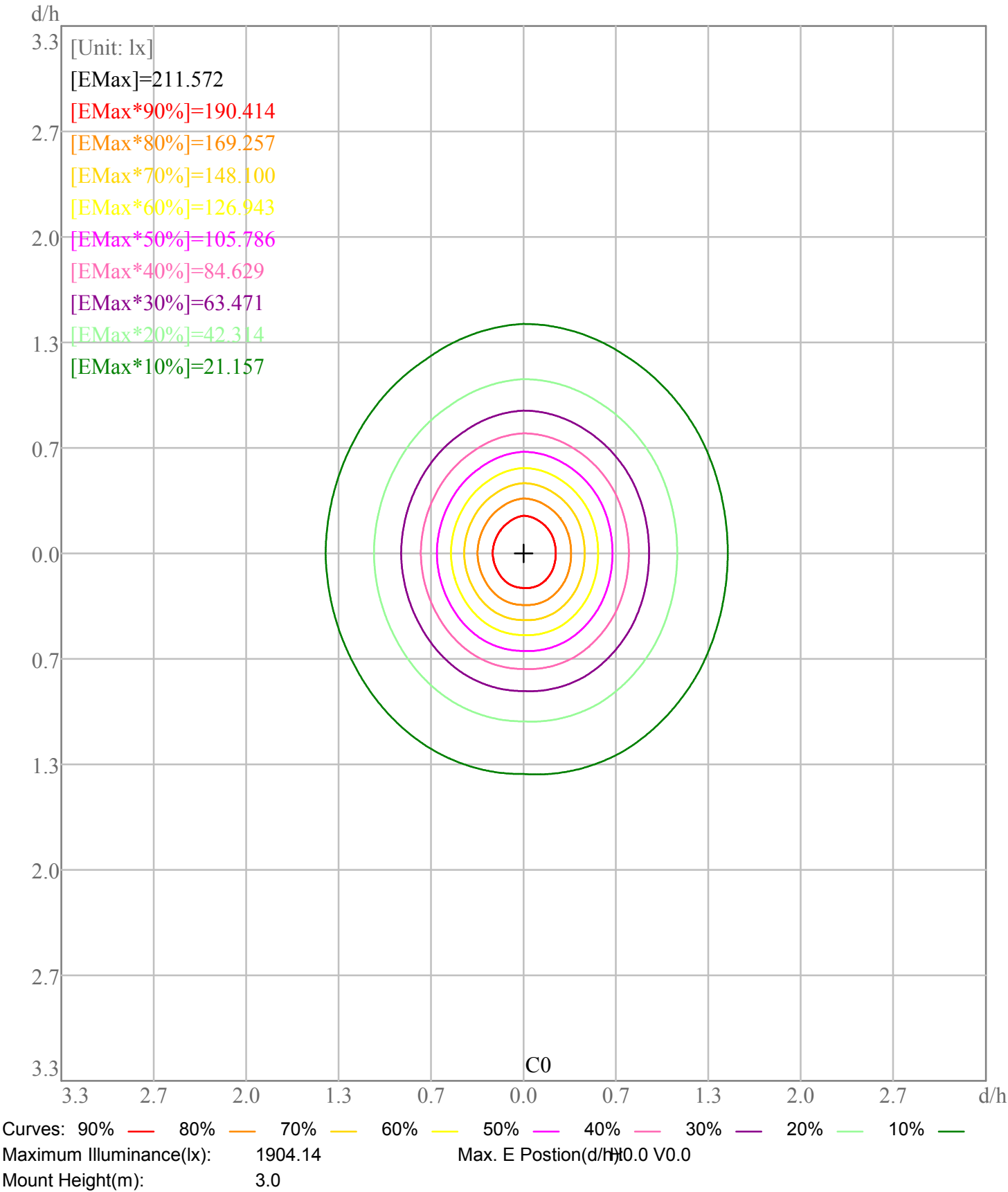
Zonal Liumens Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	45.42	45.42	0.71	0.71
5.0-10.0	134.71	180.13	2.11	2.82
10.0-15.0	219.48	399.61	3.44	6.26
15.0-20.0	296.92	696.53	4.65	10.90
20.0-25.0	364.52	1061.05	5.71	16.61
25.0-30.0	420.07	1481.12	6.58	23.19
30.0-35.0	461.84	1942.96	7.23	30.42
35.0-40.0	488.56	2431.52	7.65	38.07
40.0-45.0	499.45	2930.97	7.82	45.89
45.0-50.0	494.37	3425.34	7.74	53.63
50.0-55.0	474.06	3899.40	7.42	61.05
55.0-60.0	440.51	4339.91	6.90	67.94
60.0-65.0	395.82	4735.73	6.20	74.14
65.0-70.0	343.53	5079.26	5.38	79.52
70.0-75.0	287.87	5367.13	4.51	84.03
75.0-80.0	231.88	5599.02	3.63	87.66
80.0-85.0	179.02	5778.04	2.80	90.46
85.0-90.0	133.48	5911.52	2.09	92.55
90.0-95.0	98.10	6009.62	1.54	94.09
95.0-100.0	71.90	6081.52	1.13	95.21
100.0-105.0	52.77	6134.28	0.83	96.04
105.0-110.0	39.84	6174.12	0.62	96.66
110.0-115.0	32.47	6206.59	0.51	97.17
115.0-120.0	28.70	6235.30	0.45	97.62
120.0-125.0	26.17	6261.46	0.41	98.03
125.0-130.0	23.80	6285.26	0.37	98.40
130.0-135.0	21.34	6306.61	0.33	98.73
135.0-140.0	18.65	6325.26	0.29	99.03
140.0-145.0	15.88	6341.14	0.25	99.28
145.0-150.0	13.24	6354.38	0.21	99.48
150.0-155.0	10.79	6365.17	0.17	99.65
155.0-160.0	8.48	6373.65	0.13	99.78
160.0-165.0	6.28	6379.93	0.10	99.88
165.0-170.0	4.26	6384.18	0.07	99.95
170.0-175.0	2.45	6386.63	0.04	99.99
175.0-180.0	0.80	6387.43	0.01	100.00

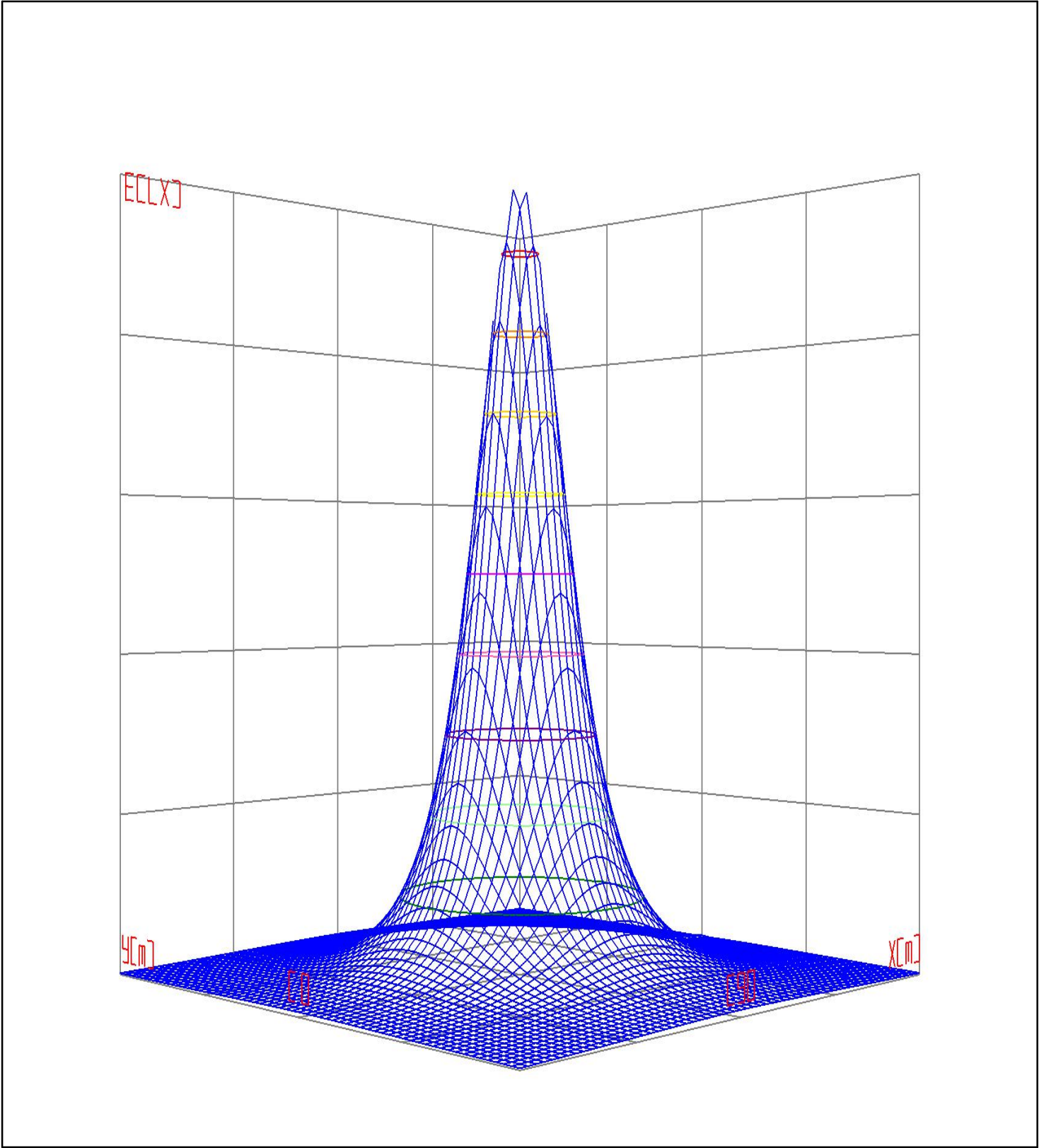
Rectangle ISO Light Intensity Curve



Plane ISO-Illuminance Curve

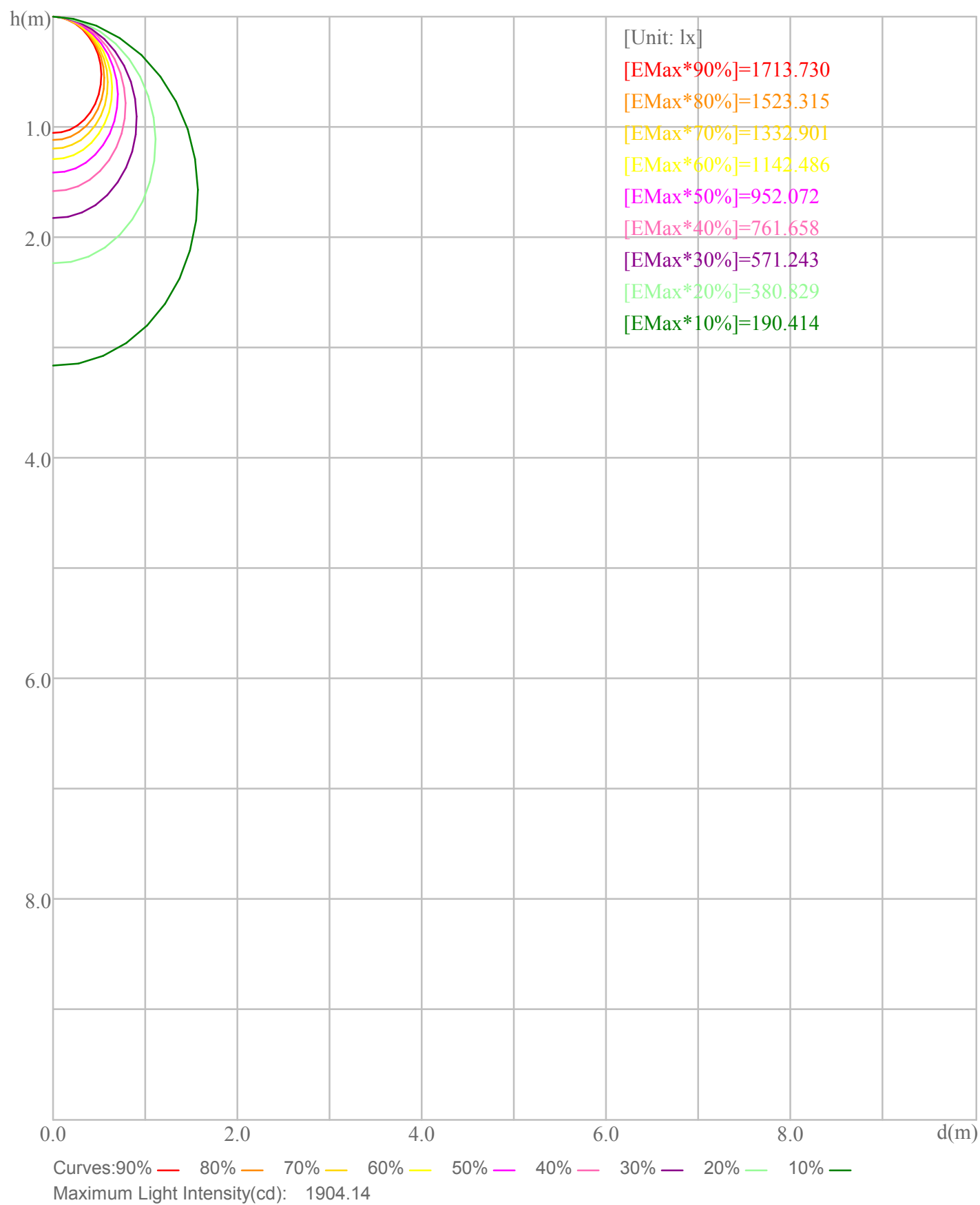


3D Plane ISO Illuminance Curve

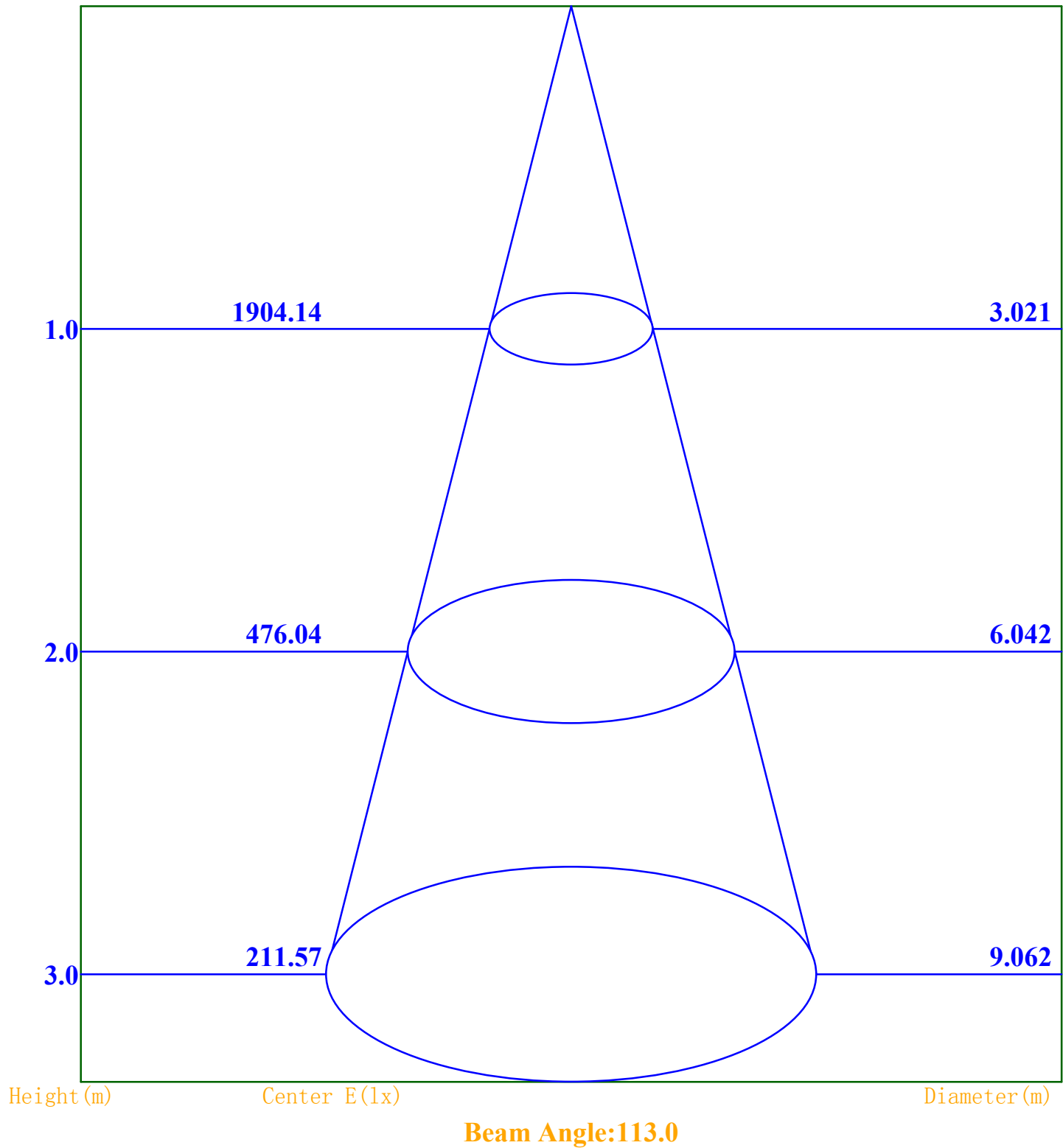


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Curve



Illuminance-Distance Curve



Indoor Luminance Limiting Curve

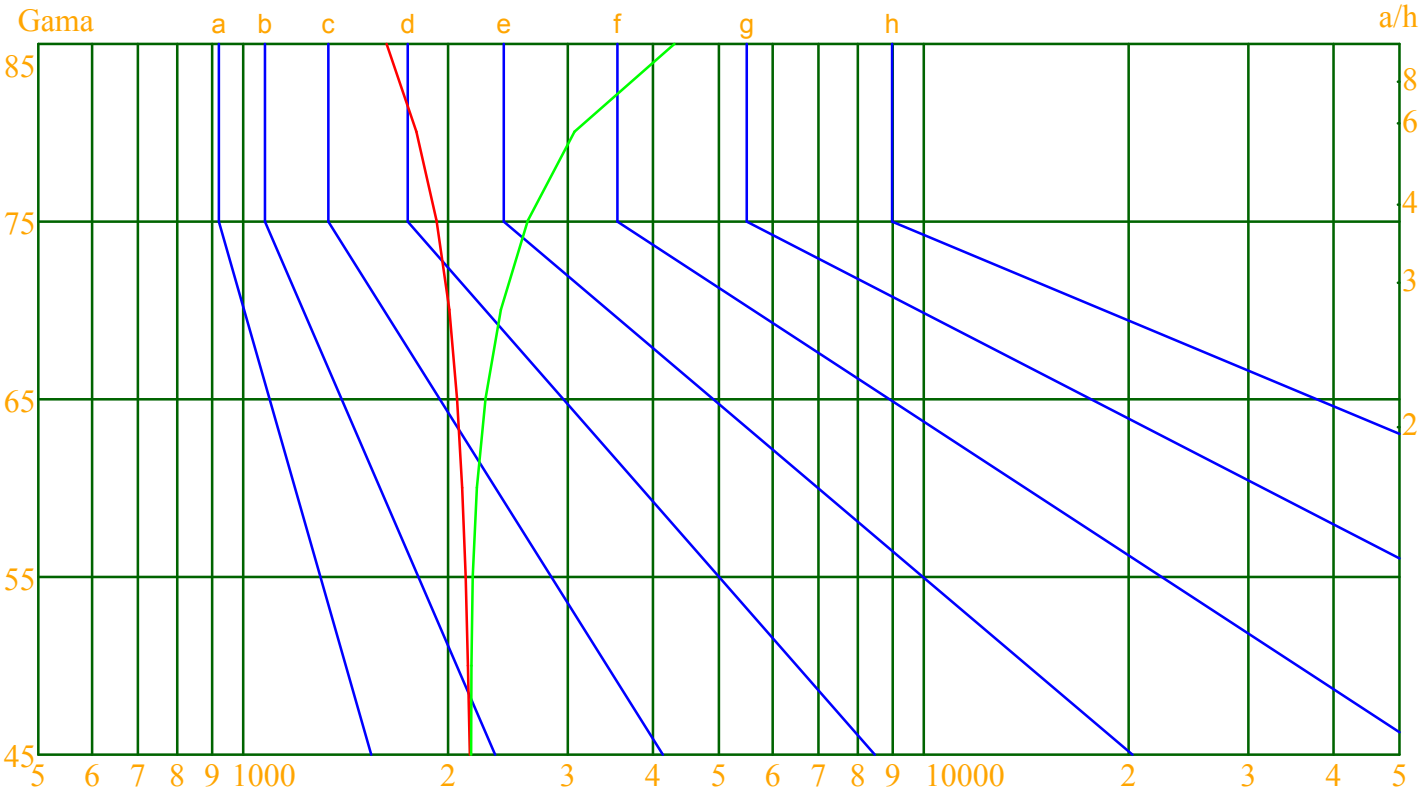
Glare Grade Table

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

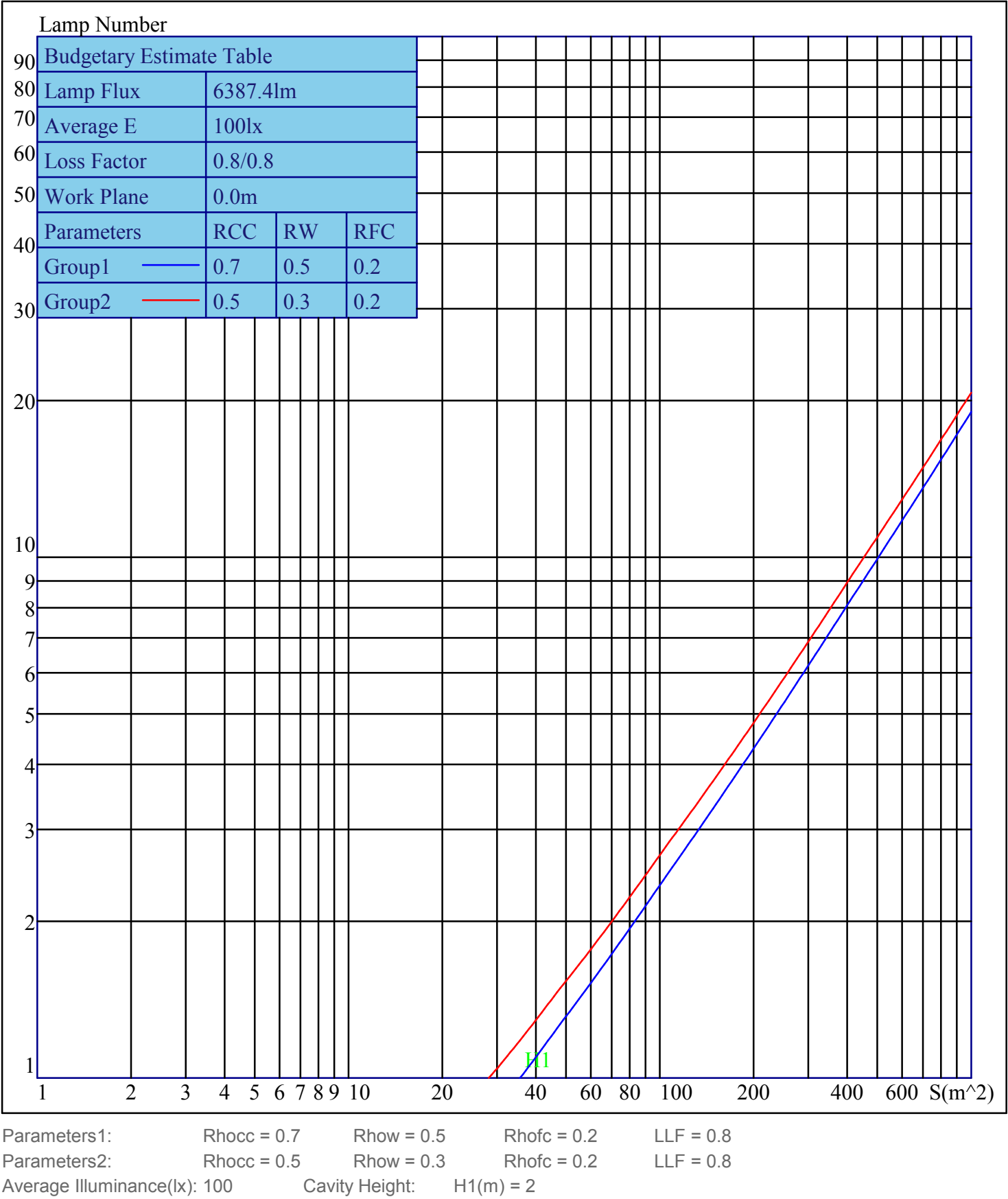
Gama(deg)	45	50	55	60	65	70	75	80	85
C0	4465	4426	4372	4297	4187	4024	3775	3405	2929
C90	4494	4501	4533	4627	4835	5234	5993	7602	12613

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	70	73	70	67	68	66	64	65	63	61	59
2	76	69	63	58	73	67	61	57	63	58	55	59	56	52	56	53	50	48
3	69	60	53	48	66	58	52	47	55	50	45	52	48	44	49	46	42	40
4	63	53	46	40	61	52	45	40	49	43	38	46	41	37	44	40	36	34
5	58	47	40	34	56	46	39	34	44	38	33	41	36	32	39	35	31	29
6	53	42	35	30	51	41	35	30	39	33	29	37	32	28	36	31	27	26
7	49	38	31	26	48	38	31	26	36	30	25	34	29	25	33	28	24	23
8	46	35	28	23	44	34	28	23	33	27	23	31	26	22	30	25	22	20
9	43	32	26	21	41	31	25	21	30	24	20	29	24	20	28	23	20	18
10	40	30	23	19	39	29	23	19	28	22	18	27	22	18	26	21	18	16