

Description Information(From Photometric File)

Photometric File: 800mA 4000K帶罩.IES
IES Format: IESNA:LM-63-1995
[TEST] Sealite
[DATE] 2020/06/28
[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:0.175 Power:37.2 PF:0.924

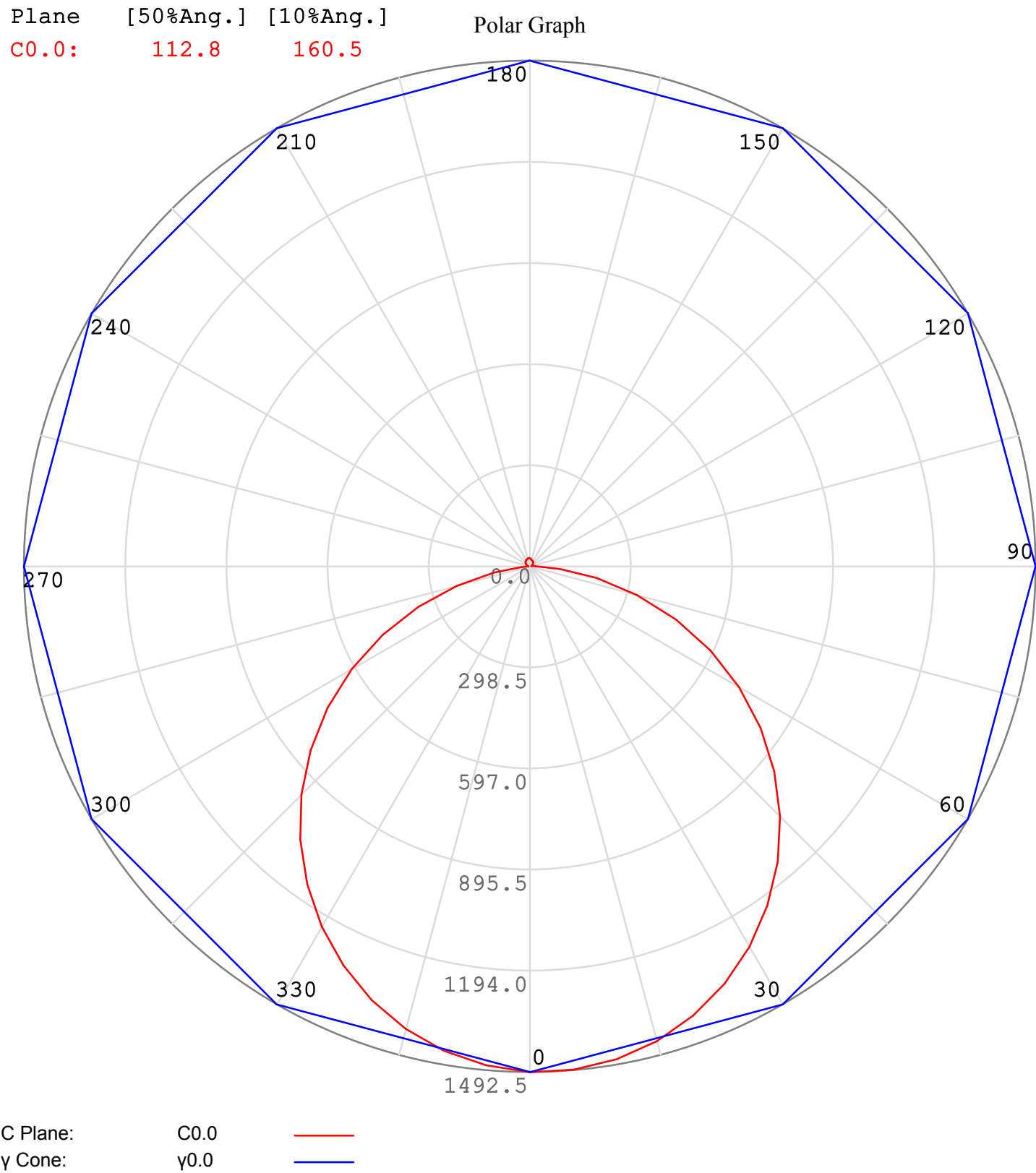
Character

Lamp Power(w):	37.2
Total Rated Lamp Lumens(lm):	6321.49
Luminair Lumens(lm):	5024.78
Total Luminair Efficacy:	79.49%
Luminaire Efficacy Rating(LER):	135.07
Maximum Intencity(cd):	1492.48
Max Cd Angle(deg):	C=0.0 γ=0.0
Downward Lumens(lm):	4652.80
Downward Total Efficiency:	92.60%
Spacing Criteria:	C0_180=0.65 C90_270=0.64
CIE Type:	Semi-Direct
Beam Angle(50%Imax):	Left=-54.2 Right=58.6
Field Angle(10%Imax):	155.5

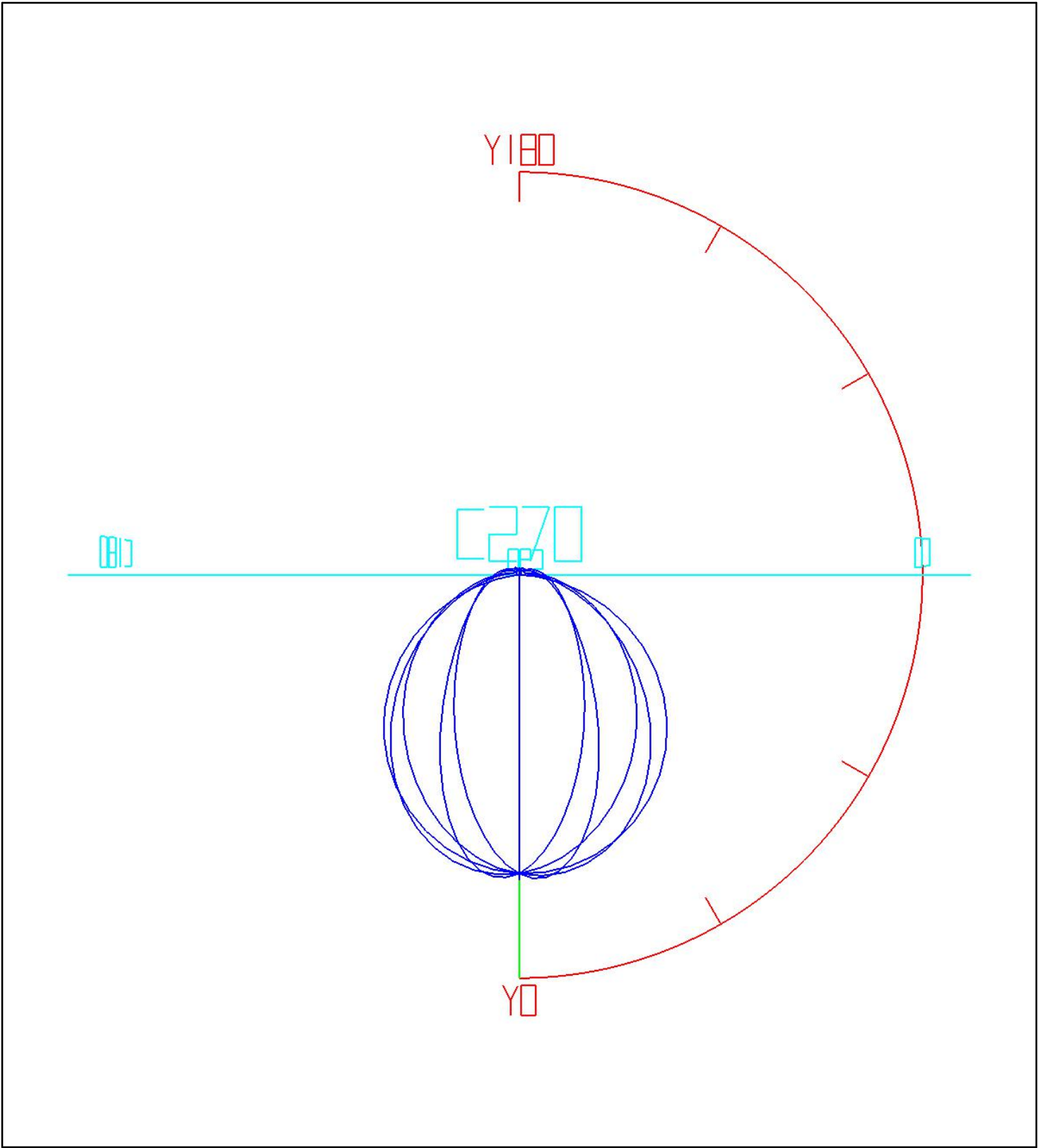
Candela Tabulation

	<u>C0.0</u>	<u>C30.0</u>	<u>C60.0</u>	<u>C90.0</u>	<u>C120.0</u>	<u>C150.0</u>	<u>C180.0</u>	<u>C210.0</u>	<u>C240.0</u>	<u>C270.0</u>	<u>C300.0</u>	<u>C330.0</u>	<u>C360.0</u>
<u>γ 0.0</u>	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48
<u>γ 5.0</u>	1490.69	1488.90	1488.63	1489.42	1492.23	1490.59	1478.00	1480.22	1479.03	1484.08	1483.65	1487.36	1490.69
<u>γ 10.0</u>	1477.11	1473.56	1474.38	1472.15	1477.59	1472.34	1452.01	1456.16	1455.42	1461.58	1460.11	1466.35	1477.11
<u>γ 15.0</u>	1450.46	1445.42	1447.77	1443.07	1450.61	1441.60	1413.33	1419.70	1419.14	1427.07	1423.73	1431.86	1450.46
<u>γ 20.0</u>	1410.87	1405.00	1409.22	1402.85	1411.86	1398.78	1362.39	1370.90	1370.67	1380.71	1374.96	1385.39	1410.87
<u>γ 25.0</u>	1359.42	1352.51	1359.42	1351.47	1362.90	1344.44	1300.22	1310.72	1309.91	1322.93	1315.03	1326.61	1359.42
<u>γ 30.0</u>	1296.44	1289.29	1298.43	1289.27	1300.37	1279.32	1227.56	1239.49	1238.21	1253.97	1243.84	1257.00	1296.44
<u>γ 35.0</u>	1222.31	1214.90	1227.28	1217.37	1228.81	1203.98	1144.96	1158.41	1157.02	1175.20	1162.94	1176.72	1222.31
<u>γ 40.0</u>	1138.23	1131.27	1146.46	1136.48	1148.08	1119.25	1053.05	1067.21	1066.97	1087.07	1073.02	1086.57	1138.23
<u>γ 45.0</u>	1044.54	1038.25	1056.78	1047.74	1058.90	1025.65	952.38	967.68	969.13	991.28	974.87	987.48	1044.54
<u>γ 50.0</u>	941.89	936.76	960.46	954.59	962.30	924.09	843.84	860.79	865.22	890.76	869.99	880.88	941.89
<u>γ 55.0</u>	831.54	828.70	861.44	860.89	862.22	815.86	728.09	748.18	759.71	790.44	763.58	767.84	831.54
<u>γ 60.0</u>	713.33	714.35	762.01	768.92	761.44	702.33	606.06	630.97	657.76	696.61	659.27	649.68	713.33
<u>γ 65.0</u>	589.08	597.86	666.07	682.22	664.16	585.70	479.09	512.80	565.75	610.84	564.68	529.67	589.08
<u>γ 70.0</u>	459.59	483.91	576.39	600.91	573.65	471.62	349.81	400.74	481.99	532.07	479.14	414.13	459.59
<u>γ 75.0</u>	327.89	377.23	493.15	523.86	489.85	365.49	222.62	302.72	405.59	458.01	401.41	311.57	327.89
<u>γ 80.0</u>	200.45	283.52	414.83	449.24	412.01	273.11	107.77	221.00	334.95	388.63	328.88	225.89	200.45
<u>γ 85.0</u>	88.48	202.94	340.92	378.22	338.34	194.78	25.27	153.83	271.29	324.65	263.94	155.08	88.48
<u>γ 90.0</u>	15.82	135.86	272.64	311.16	271.05	130.27	3.83	101.40	214.84	266.53	206.90	100.31	15.82
<u>γ 95.0</u>	4.19	84.59	211.35	249.87	210.28	81.80	4.79	63.43	165.10	213.38	156.37	60.87	4.19
<u>γ 100.0</u>	5.19	52.51	158.02	194.79	158.36	52.59	6.18	42.11	122.88	165.75	114.92	40.19	5.19
<u>γ 105.0</u>	6.20	36.25	115.96	148.41	117.67	38.61	7.73	30.93	86.35	126.11	81.61	30.27	6.20
<u>γ 110.0</u>	7.52	32.09	81.57	109.19	83.17	36.67	9.43	30.95	66.99	95.14	63.27	29.17	7.52
<u>γ 115.0</u>	8.73	32.23	65.79	85.38	69.28	36.88	10.61	30.52	56.04	75.28	53.72	30.19	8.73
<u>γ 120.0</u>	10.06	32.01	58.90	72.13	64.71	33.69	12.04	27.97	52.25	64.21	50.79	30.81	10.06
<u>γ 125.0</u>	11.49	32.44	56.20	66.80	62.27	31.04	13.82	25.76	50.47	58.52	48.99	30.29	11.49
<u>γ 130.0</u>	13.01	31.26	53.03	62.37	58.98	29.21	15.56	25.23	47.81	55.58	46.41	29.40	13.01
<u>γ 135.0</u>	14.42	30.81	49.64	57.98	54.02	30.27	17.47	26.07	41.77	52.27	44.52	28.92	14.42
<u>γ 140.0</u>	15.86	29.94	46.65	53.20	47.54	30.72	18.96	26.53	36.09	47.99	41.96	27.74	15.86
<u>γ 145.0</u>	16.74	28.68	43.43	48.90	40.98	30.65	20.02	26.45	31.15	44.23	38.79	26.46	16.74
<u>γ 150.0</u>	17.50	28.00	40.18	43.96	36.02	30.95	20.98	26.81	28.44	39.70	35.72	25.48	17.50
<u>γ 155.0</u>	18.58	26.65	37.01	39.69	33.78	30.81	21.71	26.51	27.53	35.84	32.35	24.30	18.58
<u>γ 160.0</u>	19.35	25.46	33.41	35.88	32.03	29.59	22.35	25.88	26.38	31.86	28.81	23.94	19.35
<u>γ 165.0</u>	20.31	24.38	29.82	30.98	30.50	27.99	23.67	24.87	25.40	28.17	26.02	23.55	20.31
<u>γ 170.0</u>	21.68	23.50	26.41	26.84	28.22	27.10	23.89	24.54	24.34	24.32	24.09	23.26	21.68
<u>γ 175.0</u>	22.38	23.57	24.35	23.72	26.58	26.04	24.02	23.93	24.06	22.96	24.21	23.72	22.38
<u>γ 180.0</u>	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03

2D Light Intensity Distribution Curve



3D Light Intensity Distribution Curve

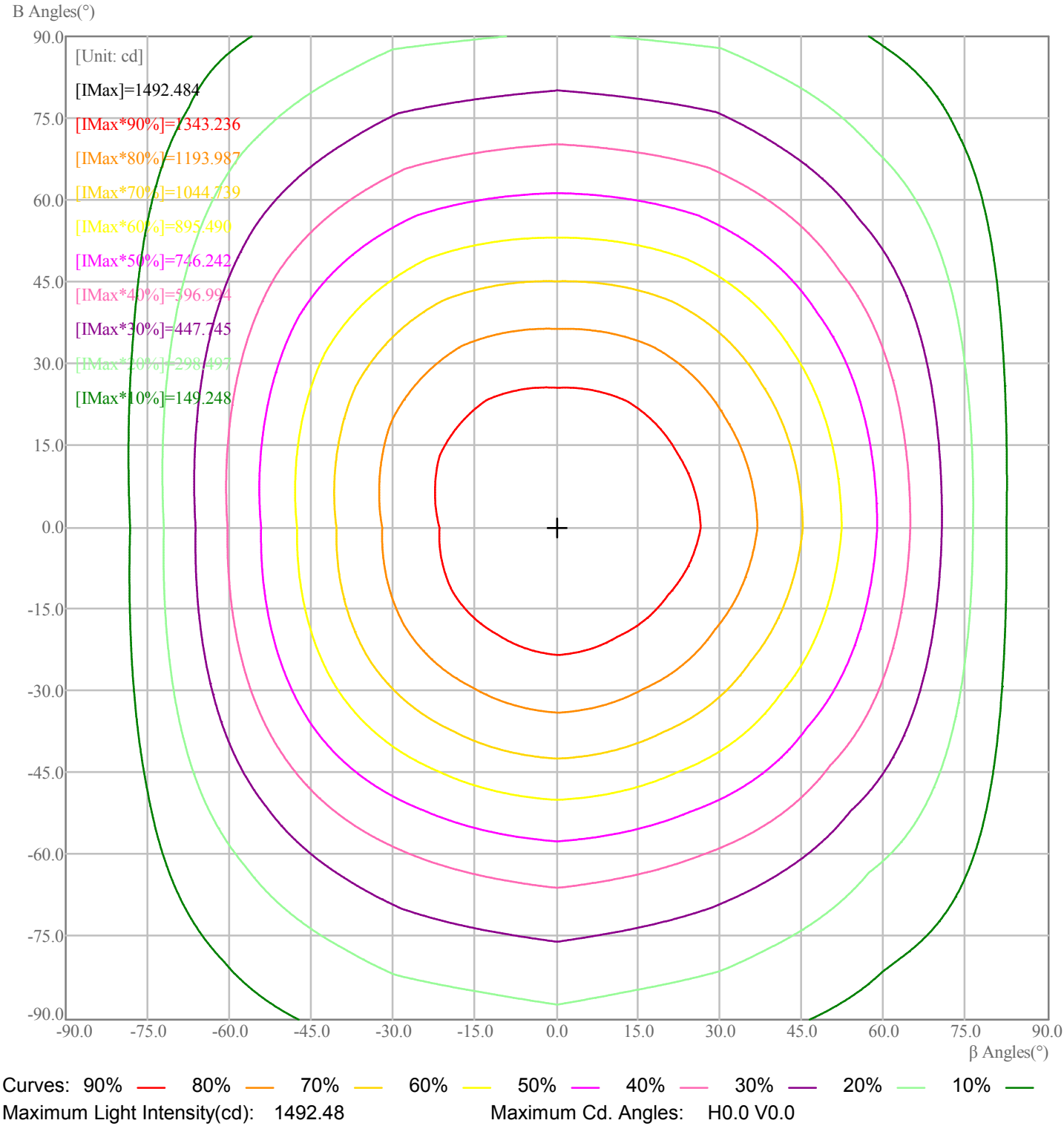


Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

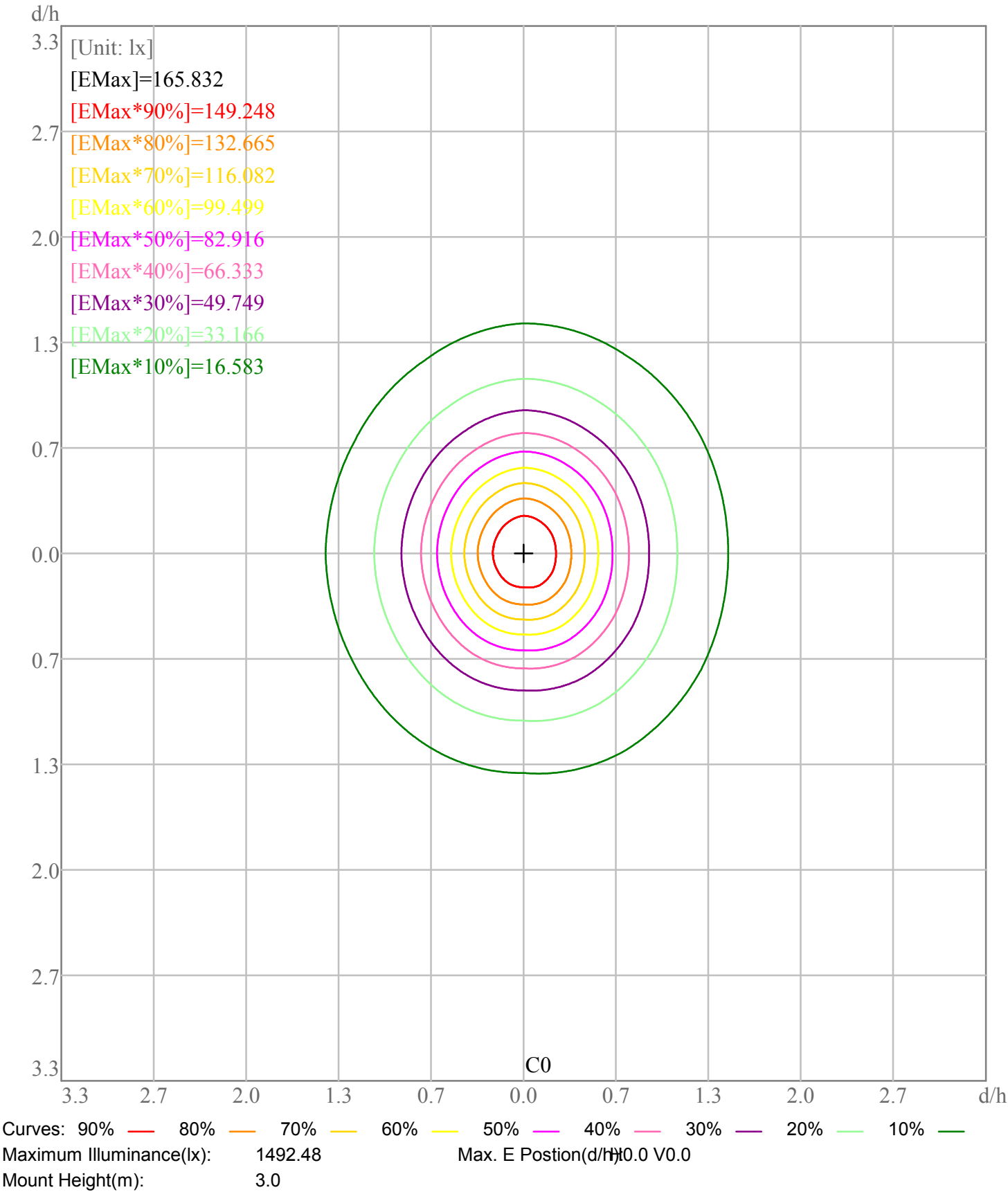
Zonal Liumens Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	35.61	35.61	0.71	0.71
5.0-10.0	105.62	141.23	2.10	2.81
10.0-15.0	172.09	313.32	3.42	6.24
15.0-20.0	232.80	546.12	4.63	10.87
20.0-25.0	285.80	831.92	5.69	16.56
25.0-30.0	329.34	1161.25	6.55	23.11
30.0-35.0	362.04	1523.30	7.21	30.32
35.0-40.0	382.95	1906.25	7.62	37.94
40.0-45.0	391.43	2297.68	7.79	45.73
45.0-50.0	387.40	2685.08	7.71	53.44
50.0-55.0	371.63	3056.71	7.40	60.83
55.0-60.0	345.59	3402.29	6.88	67.71
60.0-65.0	311.39	3713.68	6.20	73.91
65.0-70.0	271.60	3985.28	5.41	79.31
70.0-75.0	228.78	4214.07	4.55	83.87
75.0-80.0	185.51	4399.58	3.69	87.56
80.0-85.0	144.42	4544.00	2.87	90.43
85.0-90.0	108.80	4652.80	2.17	92.60
90.0-95.0	80.70	4733.49	1.61	94.20
95.0-100.0	59.32	4792.81	1.18	95.38
100.0-105.0	43.25	4836.06	0.86	96.24
105.0-110.0	32.05	4868.11	0.64	96.88
110.0-115.0	25.32	4893.42	0.50	97.39
115.0-120.0	21.56	4914.98	0.43	97.81
120.0-125.0	19.22	4934.20	0.38	98.20
125.0-130.0	17.32	4951.52	0.34	98.54
130.0-135.0	15.42	4966.94	0.31	98.85
135.0-140.0	13.44	4980.39	0.27	99.12
140.0-145.0	11.40	4991.78	0.23	99.34
145.0-150.0	9.45	5001.24	0.19	99.53
150.0-155.0	7.68	5008.92	0.15	99.68
155.0-160.0	6.03	5014.95	0.12	99.80
160.0-165.0	4.47	5019.42	0.09	99.89
165.0-170.0	3.03	5022.45	0.06	99.95
170.0-175.0	1.75	5024.20	0.03	99.99
175.0-180.0	0.58	5024.78	0.01	100.00

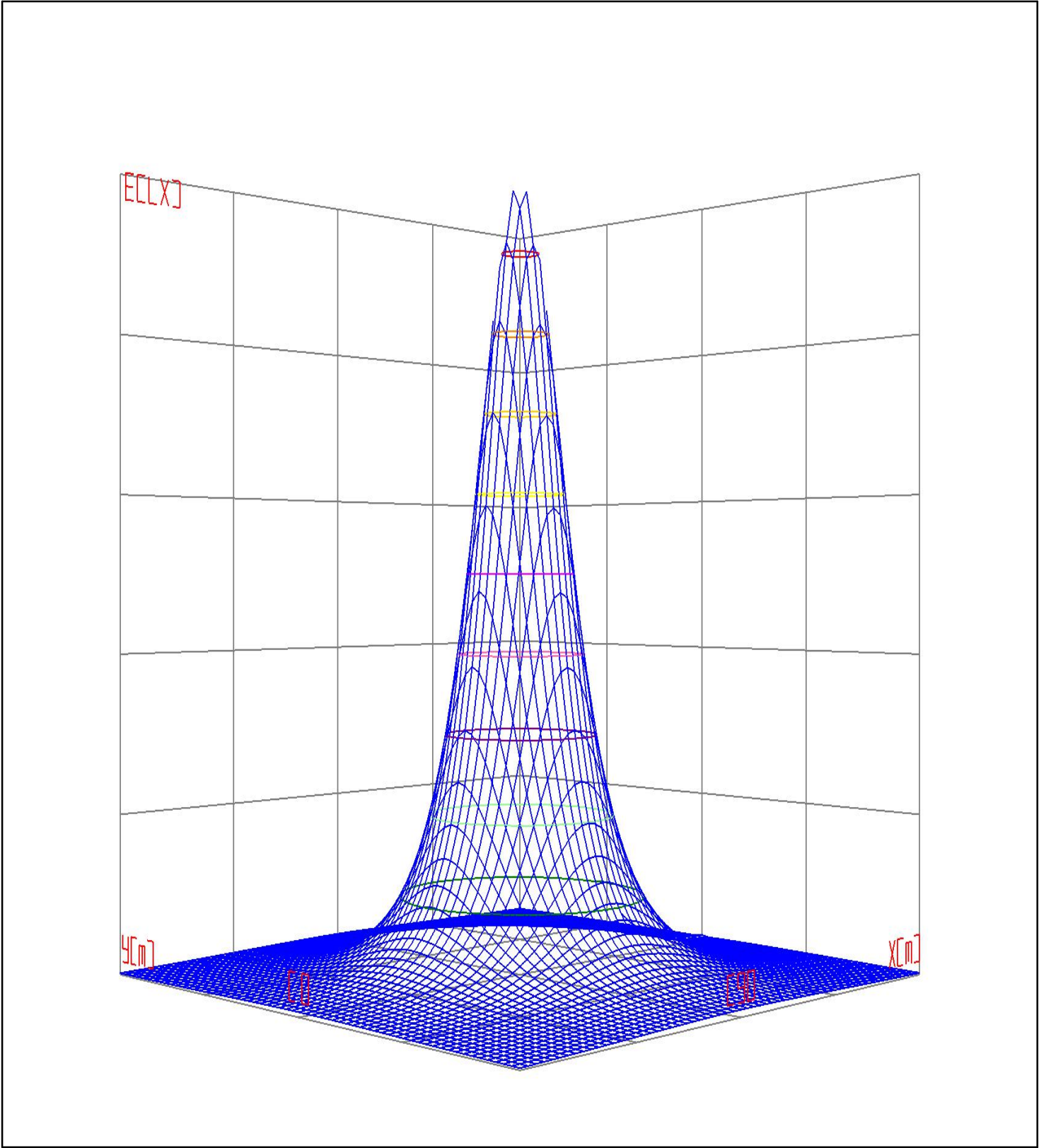
Rectangle ISO Light Intensity Curve



Plane ISO-Illuminance Curve

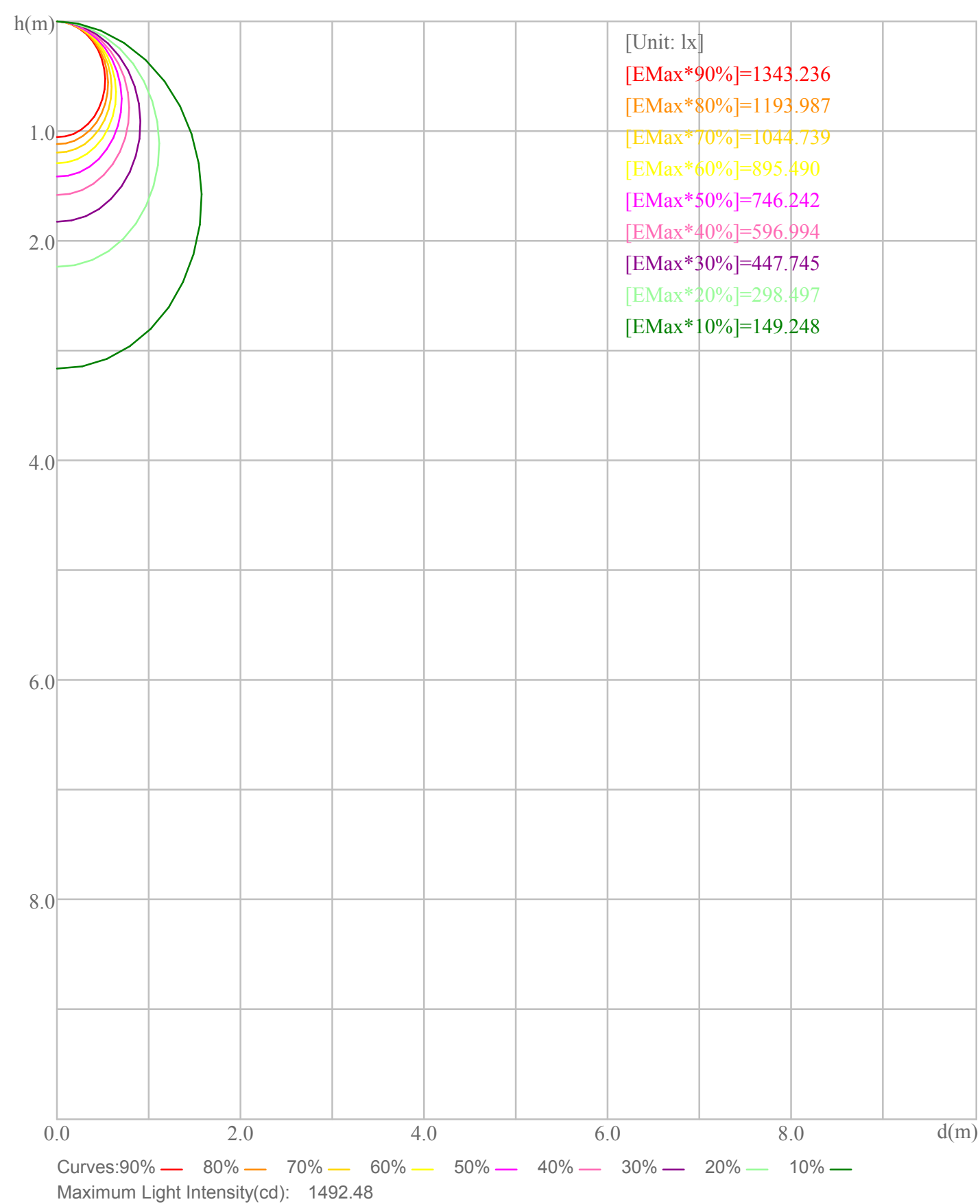


3D Plane ISO Illuminance Curve

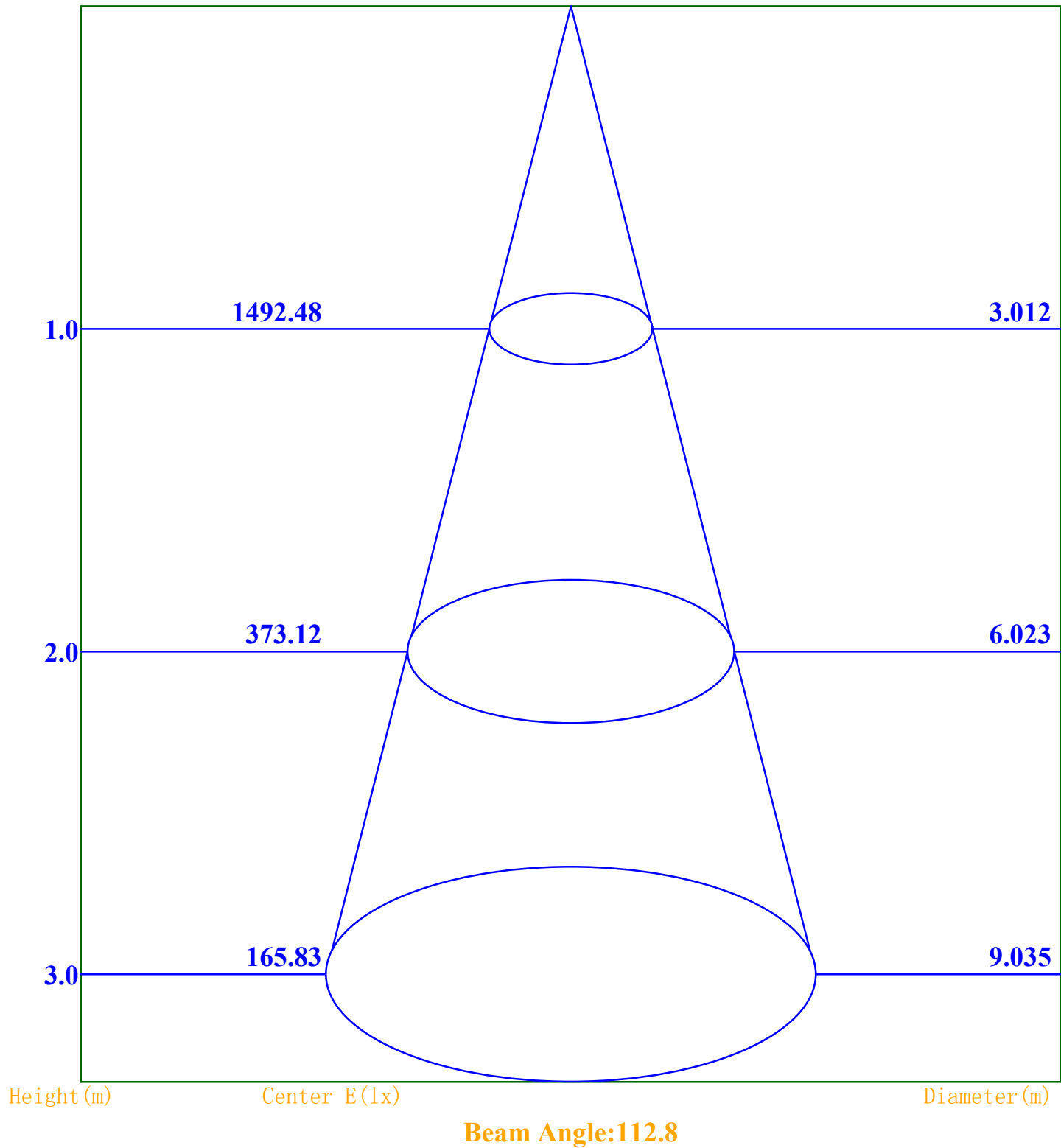


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Curve



Illuminance-Distance Curve



Indoor Luminance Limiting Curve

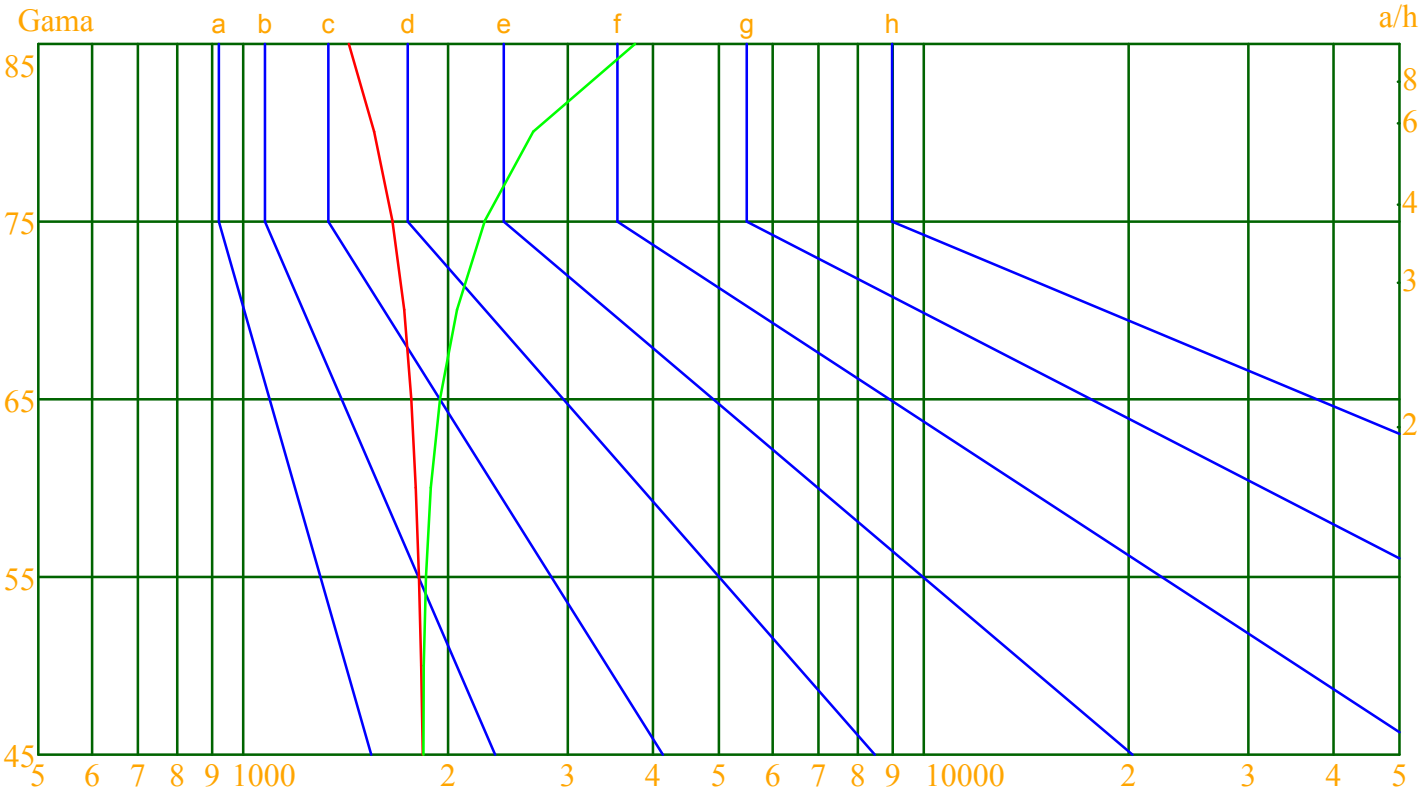
Glare Grade Table

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

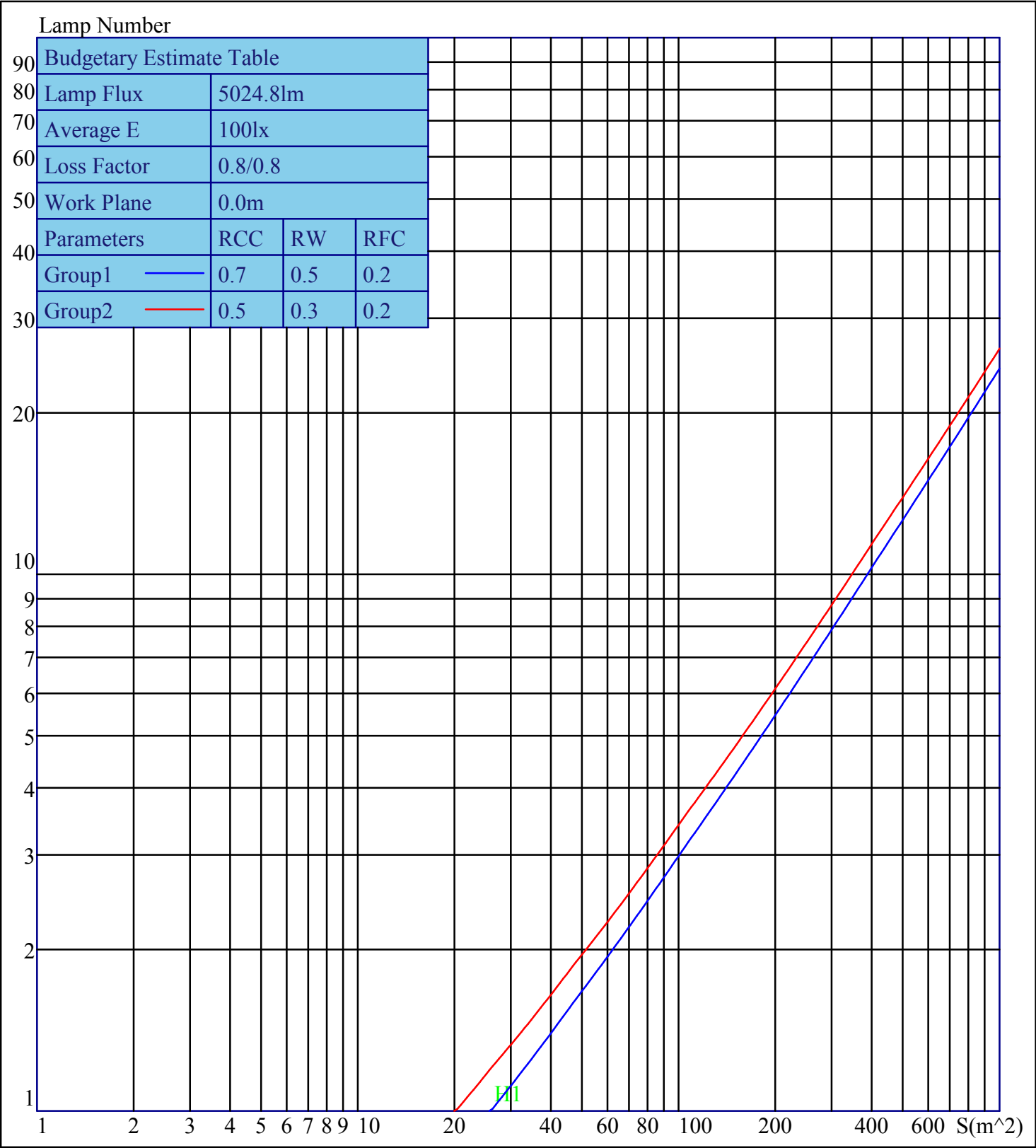
Gama(deg)	45	50	55	60	65	70	75	80	85
C0	3517	3489	3452	3397	3319	3199	3016	2748	2417
C90	3528	3536	3574	3662	3843	4183	4819	6160	10332

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	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	45	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	37	31	26	36	30	25	34	29	25	32	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	25	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