

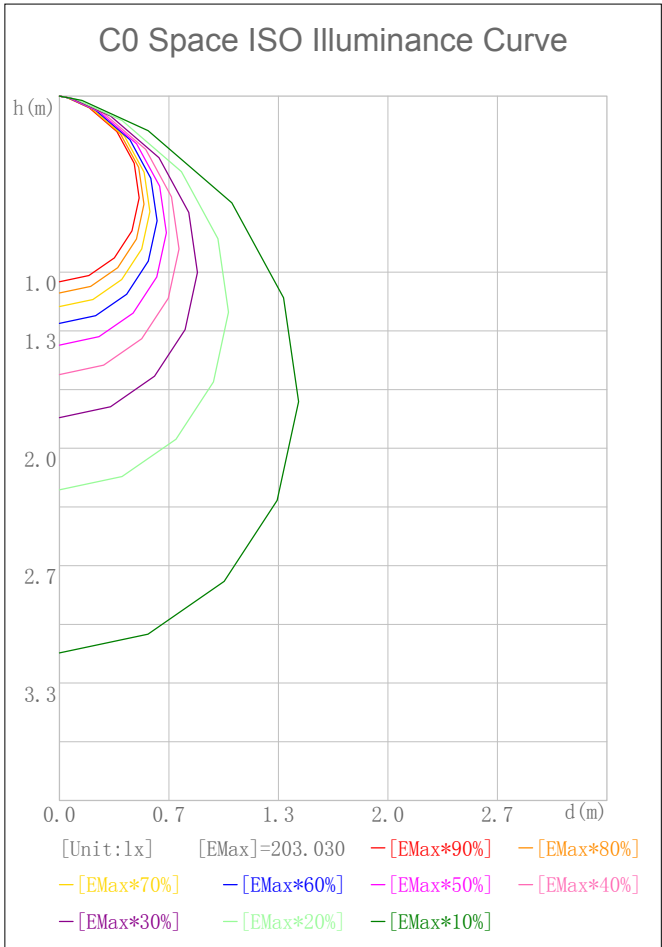
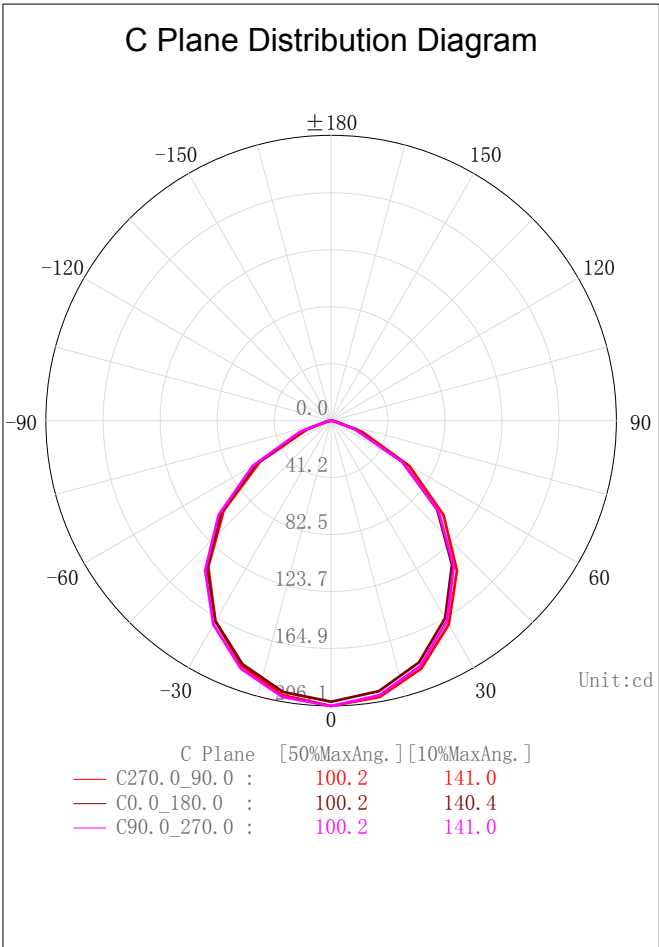
Indoor Luminaire Photometric Data

Description Information

Luminary Name: LG-8018		Lum. Catalog:	Test ID: 8.955 m
Lamp Name: 2835		Lamp Catalog: LED	Test Date: 2015-03-04 10:30
Manufacture: Light and Green LLC		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.100m*0.100m*0.050m		Lum. Area (m2):0.015	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=15.0 γ=10.0	Temp. (°C): 25	Humidity(%):

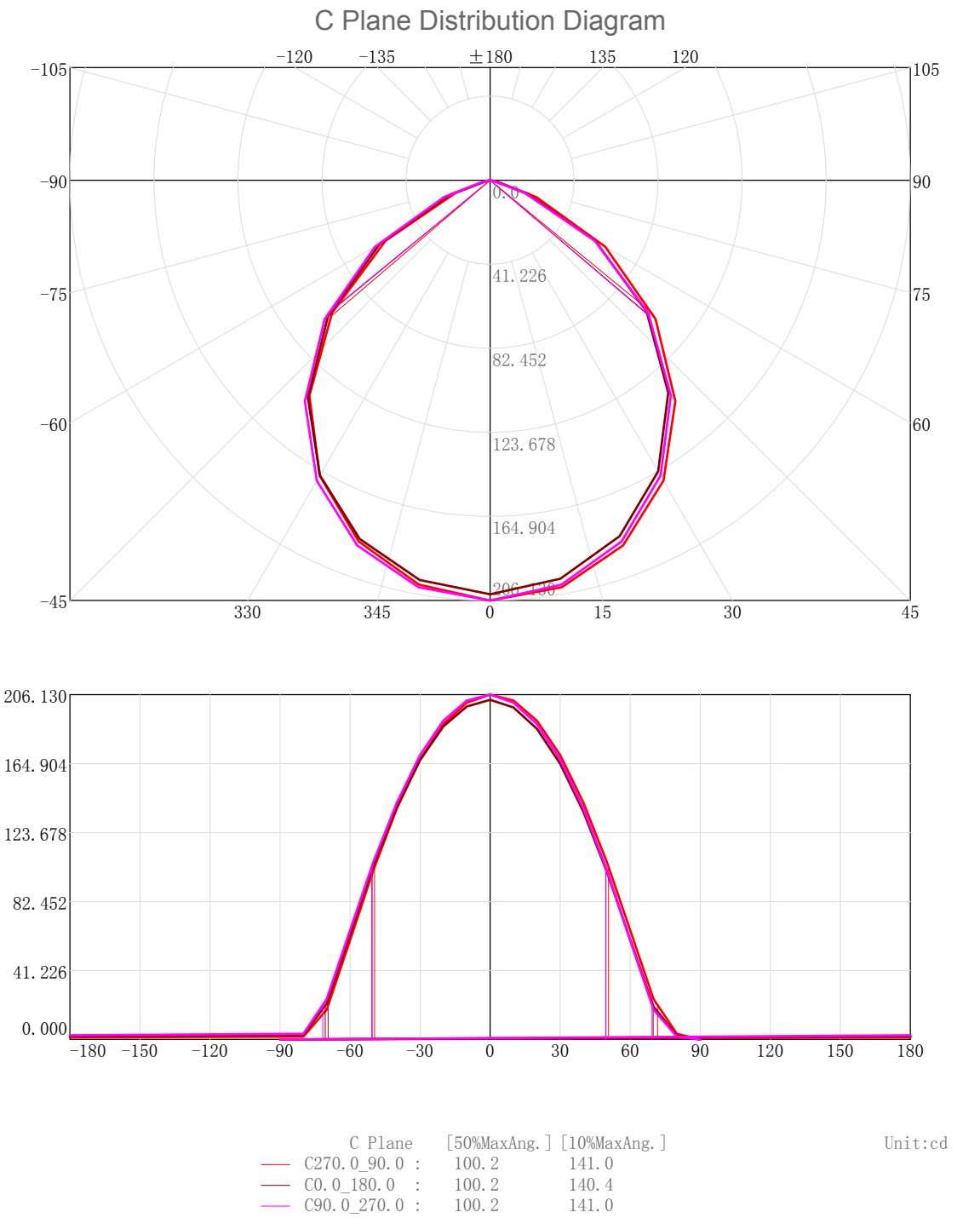
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 561.000	Luminary Flux(lm): 477.456	Field Angle(10%Imax): 141.0(°)	
Rated Power(W):	Luminary Efficiency: 85.11%	Down Lumens&Percent: 477.456lm 100.00%	
Rated Voltage(V):	Luminary EER(lm/W): 51.450	Up Lumens&Percent: 0.000lm 0.00%	
Tested Power(W): 9.280	Max. Candela(cd): 206.130	S/MH: C0_a180=1.219 C90_270=1.236	
Lamps' Inside: 1	Max Cand@Ang. (°): C=90.0 γ=0.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):240.1, 0.042	Beam Angle(50%Imax): 100.2(°)	ErP ϕ use(120°): 420.240lm	
Lamp Size(W*L*H):0.100m*0.100m*0.050m	Left=-50.7°, Right=49.5°	IRF(%): 119.300	



2D Plane Light Intensity Distribution Curve

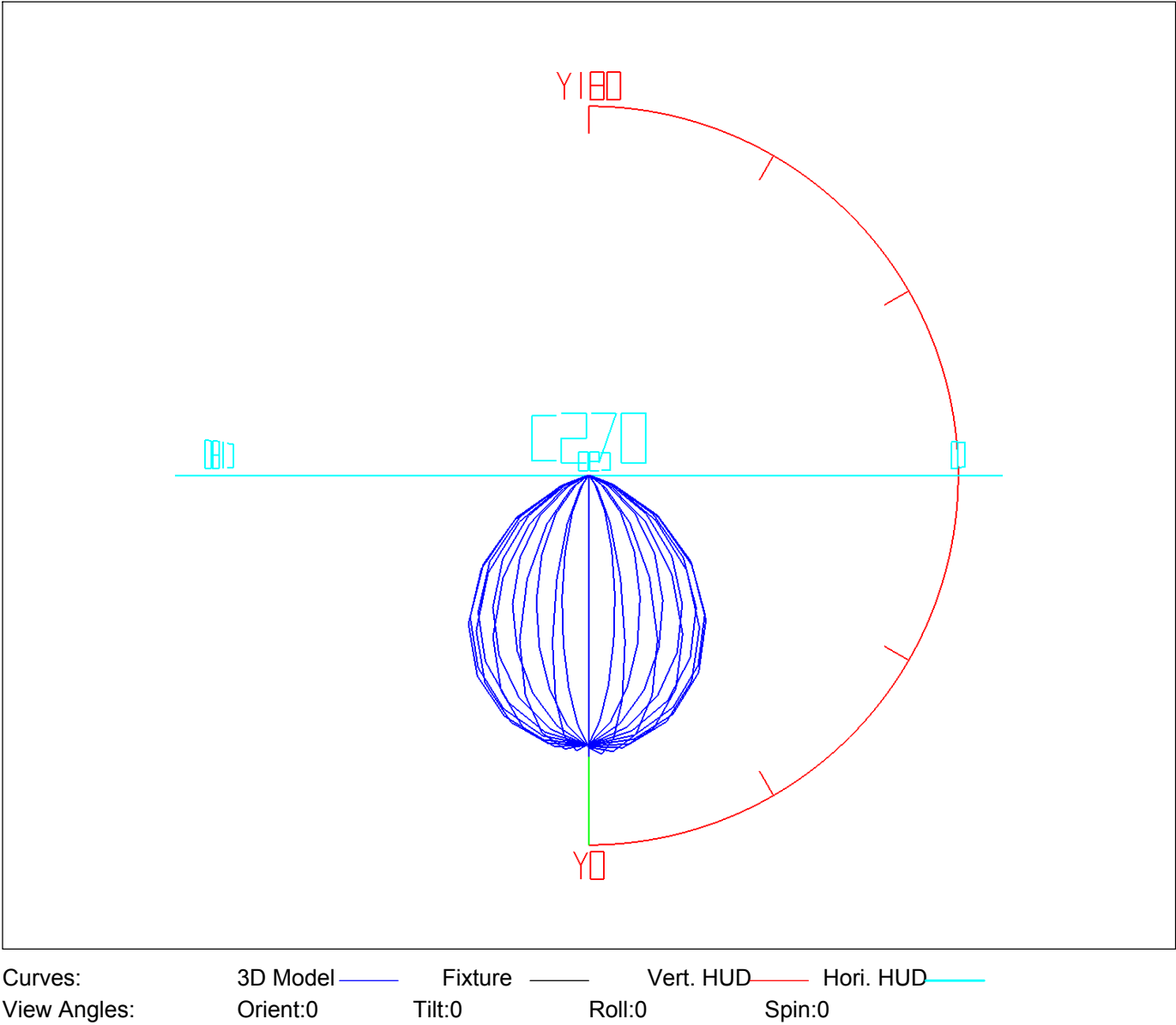
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Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30



3D Light Intensity Distribution Modal

Lum. Name: LG-8018	Lum. Catelog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catelog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30

3D Light Intensity Distribution Modal

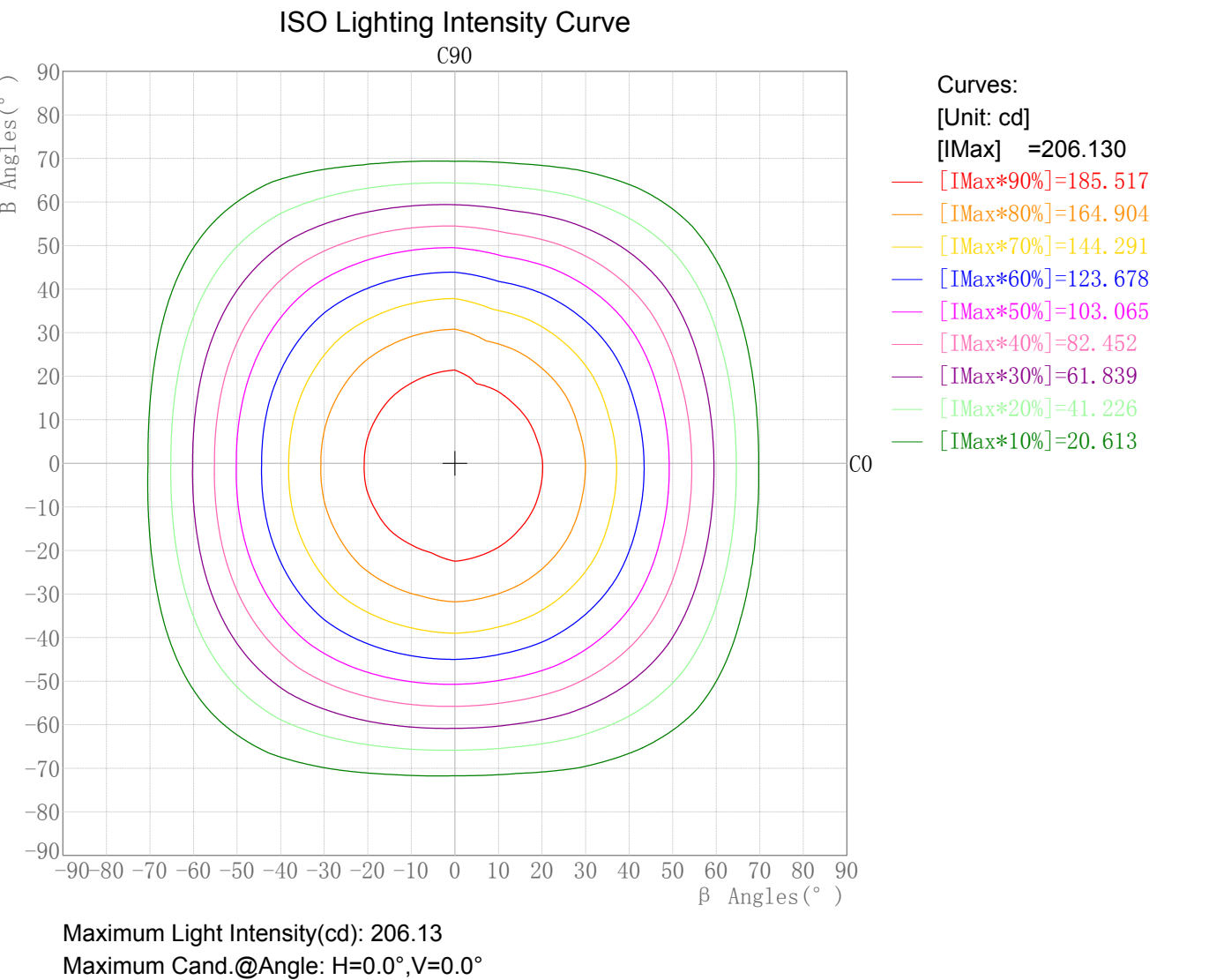


Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	19. 23	19. 23	3. 43	3. 43
10. 0-20. 0	54. 76	73. 99	9. 76	13. 19
20. 0-30. 0	81. 87	155. 85	14. 59	27. 78
30. 0-40. 0	95. 87	251. 72	17. 09	44. 87
40. 0-50. 0	93. 67	345. 38	16. 70	61. 57
50. 0-60. 0	74. 59	419. 97	13. 30	74. 86
60. 0-70. 0	42. 51	462. 48	7. 58	82. 44
70. 0-80. 0	13. 48	475. 96	2. 40	84. 84
80. 0-90. 0	1. 50	477. 46	0. 27	85. 11

Rectangle ISO Lighting Intensity Diagram

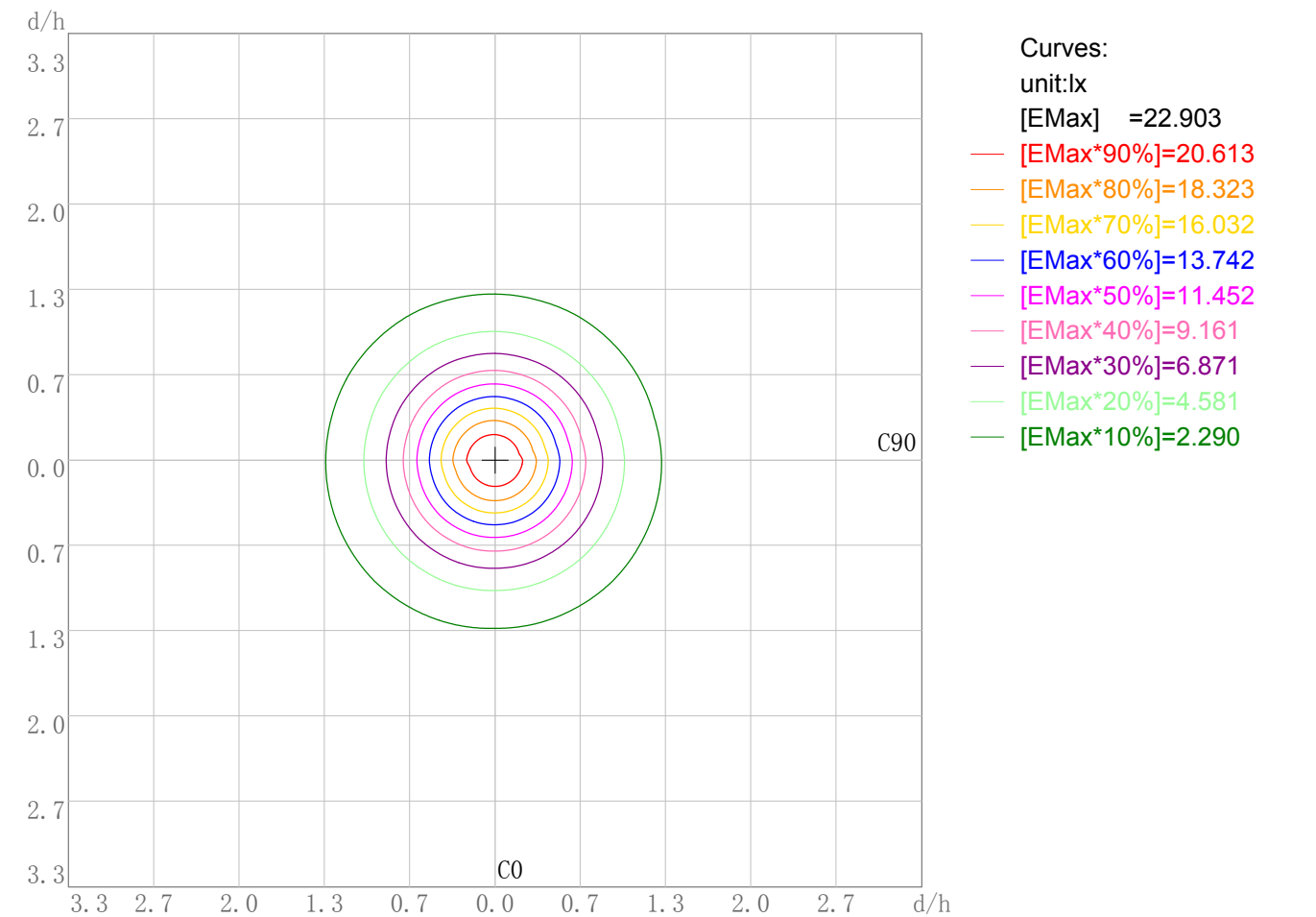
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Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30



Plane ISO-Illuminance Diagram

Lum. Name: LG-8018	Lum. Catalog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30

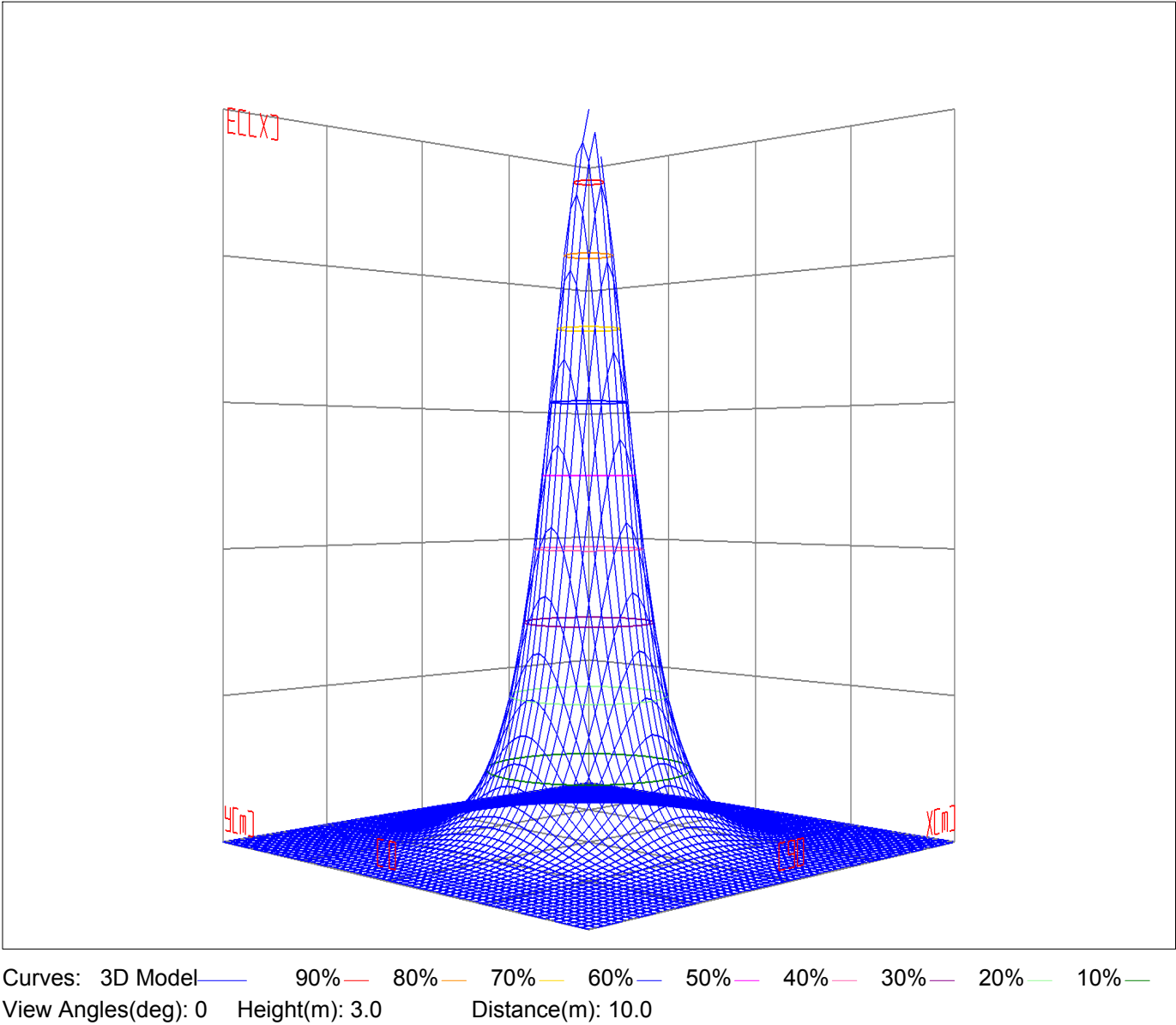
Plane ISO-Illuminance Curve



3D Plane ISO Illuminance Diagram

Lum. Name: LG-8018	Lum. Catalog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30

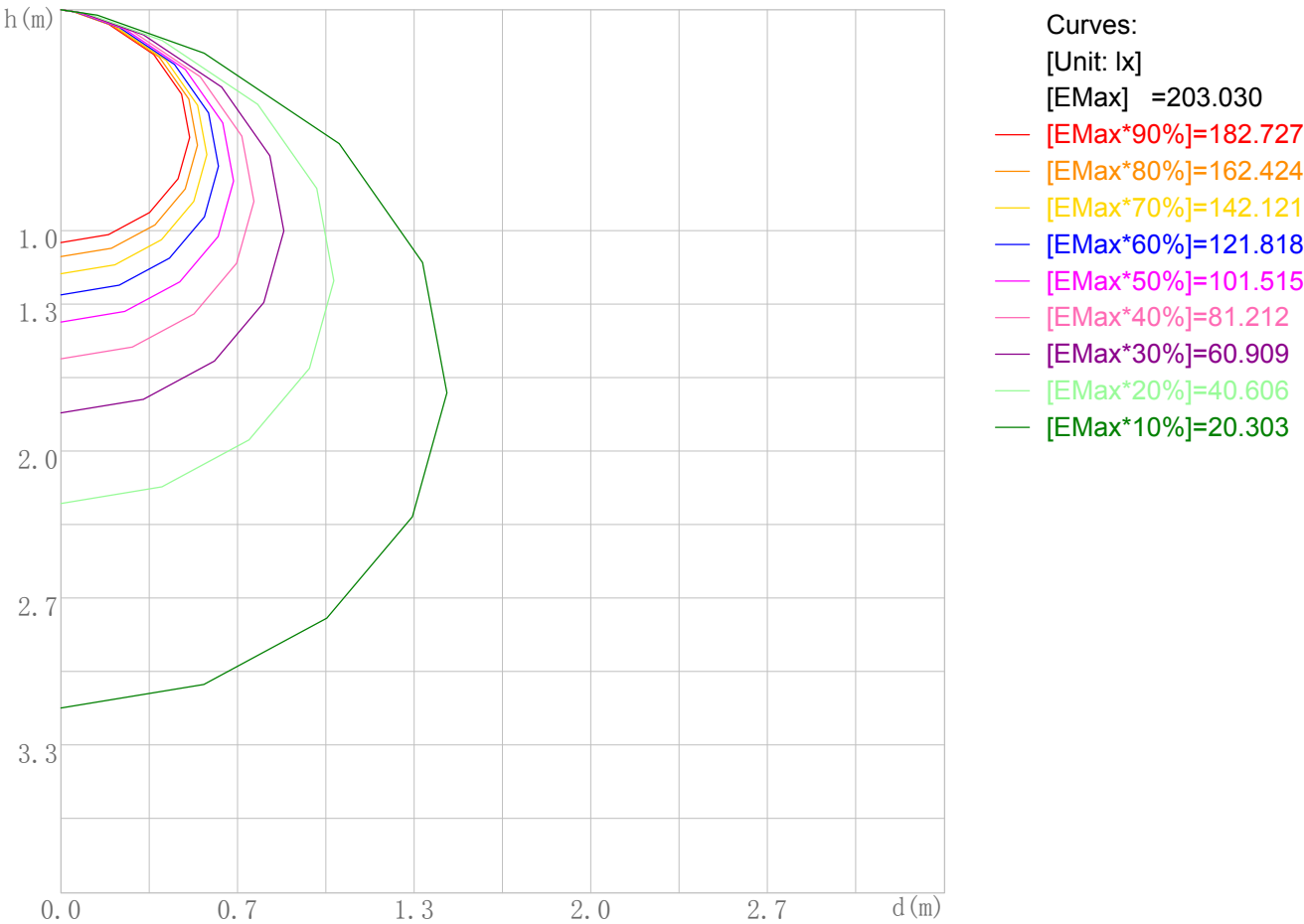
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: LG-8018	Lum. Catalog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30

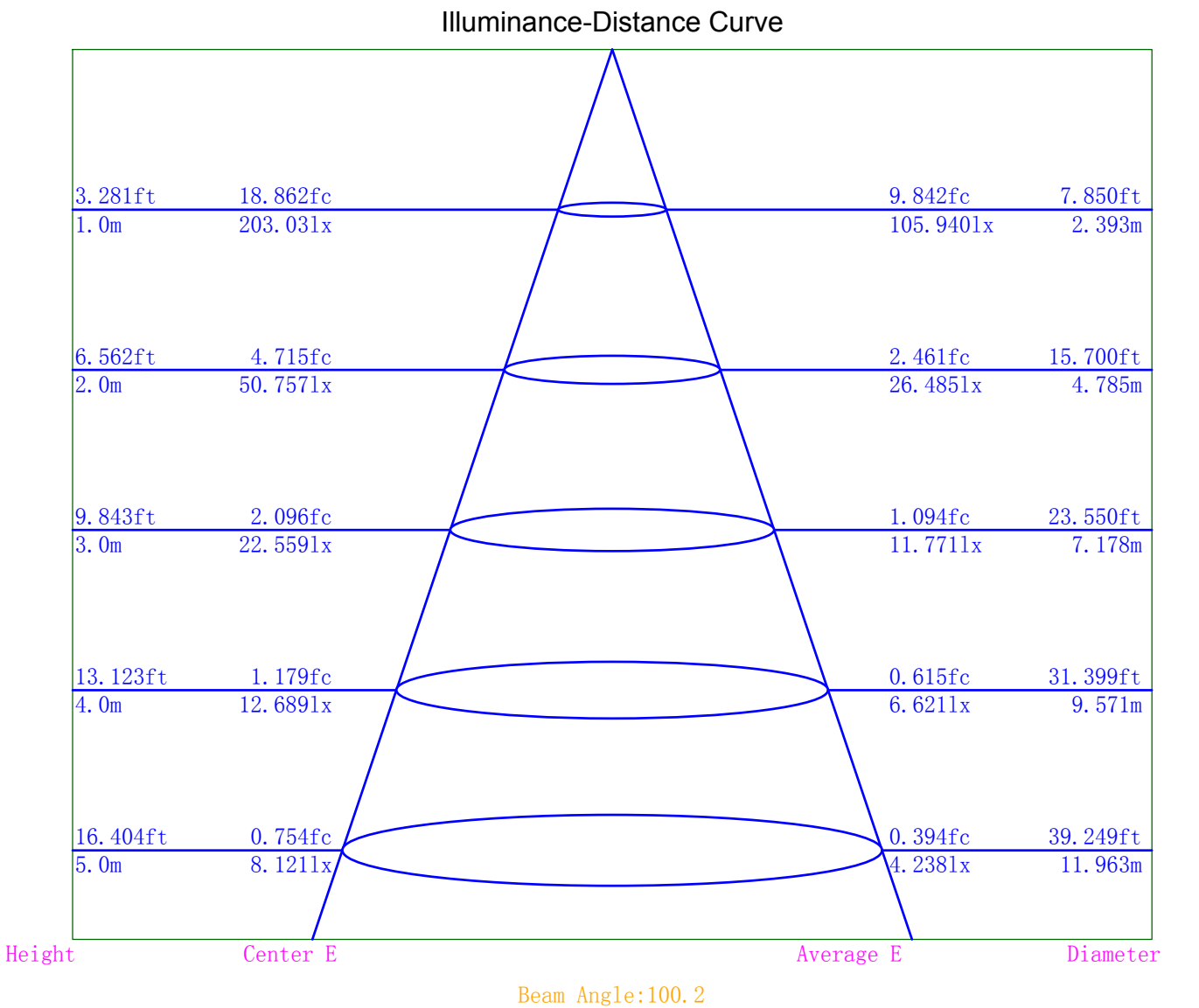
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:203.03lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:203.030cd,0deg

Illuminance-Distance Diagram

Lum. Name: LG-8018	Lum. Catalog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30



Indoor Luminance Limiting Curves

Lum. Name: LG-8018	Lum. Catalog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30

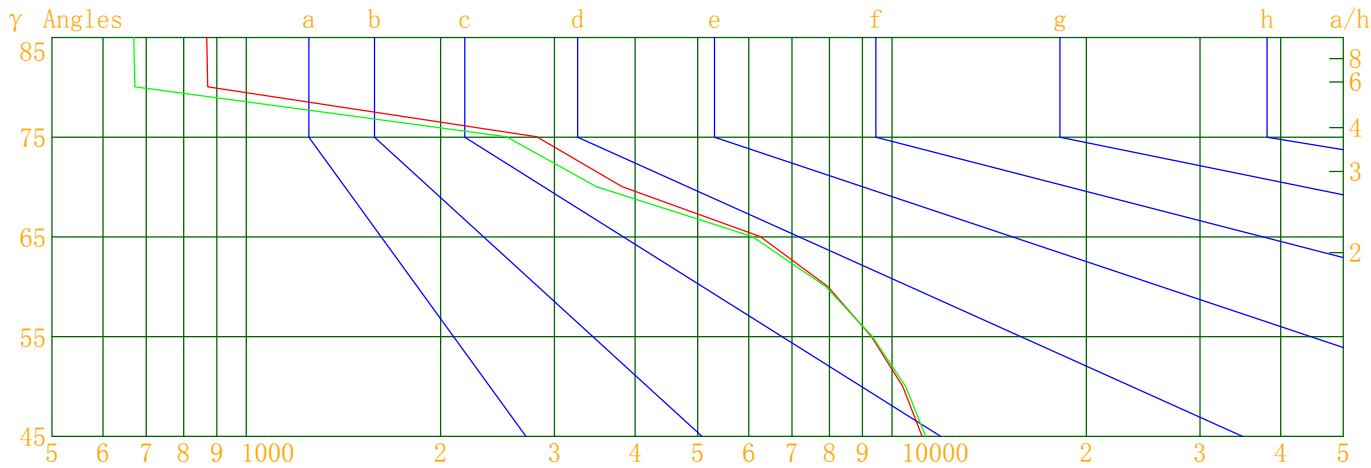
Glare Grade Table

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	11133	10392	9290	7955	6252	3820	2817	871	868
C90	11274	10499	9324	7895	6080	3485	2528	672	669

Luminance Limiting Curve



Luminous Size:

Length(m)=0.100

Width(m)=0.100

Height(m)=0.050

Area(m^2)=0.015000

Luminous Type:

Without Luminous Side

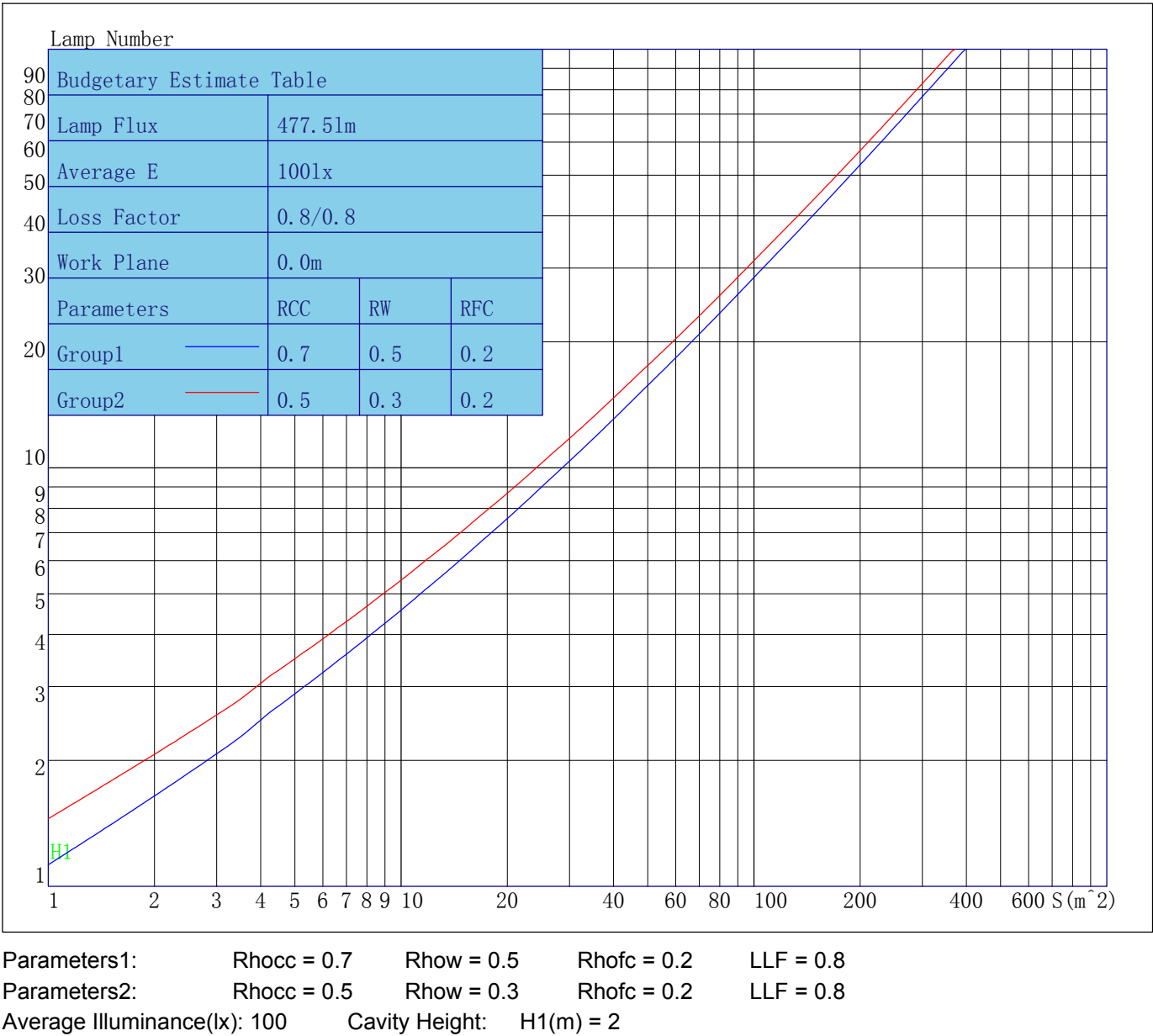
Luminous Curves:

C0-C180 Color: —

C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: LG-8018	Lum. Catalog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30



Indoor Coefficient of Utilization Table

Lum. Name: LG-8018	Lum. Catelog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catelog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30

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	101	101	101	101	99	99	99	99	95	95	95	91	91	91	87	87	87	85
1	94	91	87	85	92	89	86	83	85	83	81	82	80	78	79	77	76	74
2	86	80	75	71	84	79	74	70	76	72	68	73	70	67	71	68	65	64
3	79	71	65	60	77	70	64	60	68	63	59	65	61	58	63	60	57	55
4	73	64	57	52	71	63	56	51	61	55	51	59	54	50	57	53	49	48
5	67	57	50	45	66	56	50	45	55	49	44	53	48	44	51	47	43	42
6	62	52	45	40	61	51	44	39	50	44	39	48	43	39	47	42	38	37
7	58	47	40	35	57	46	40	35	45	39	35	44	39	35	43	38	34	33
8	54	43	36	32	53	43	36	31	41	35	31	40	35	31	39	35	31	29
9	51	40	33	28	49	39	33	28	38	32	28	37	32	28	36	32	28	26
10	47	37	30	26	46	36	30	26	35	30	26	35	29	26	34	29	26	24

Unified Glare Rating Table

Lum. Name: LG-8018	Lum. Catelog:	Test ID: 8.955 m
Lamp Name: 2835	Lamp Catalog: LED	Test Lab:
Manufacture: Light and Green LLC	Test Machine:GON-2000	Test Date: 2015-03-04 10:30

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	20.8	22.1	21.2	22.5	22.8	20.7	22.1	21.1	22.4	22.7
	21.4	22.6	21.8	22.9	23.3	21.3	22.5	21.7	22.8	23.2
	21.6	22.6	22.0	23.0	23.3	21.4	22.5	21.8	22.8	23.2
	21.6	22.5	22.0	22.9	23.3	21.4	22.4	21.8	22.7	23.1
	21.5	22.4	22.0	22.8	23.2	21.4	22.3	21.8	22.7	23.1
	21.5	22.3	21.9	22.7	23.1	21.4	22.2	21.8	22.6	23.0
X=4H Y=2H	21.3	22.4	21.7	22.7	23.1	21.3	22.3	21.7	22.7	23.0
	22.1	22.9	22.5	23.3	23.7	22.0	22.7	22.4	23.2	23.6
	22.3	22.9	22.7	23.3	23.8	22.1	22.8	22.6	23.2	23.6
	22.3	22.8	22.8	23.3	23.7	22.1	22.6	22.6	23.1	23.6
	22.3	22.7	22.8	23.2	23.6	22.1	22.5	22.6	23.0	23.5
	22.3	22.6	22.8	23.1	23.6	22.1	22.4	22.6	22.9	23.4
X=8H Y=4H	22.3	22.8	22.8	23.2	23.7	22.2	22.6	22.7	23.1	23.5
	22.4	22.7	22.9	23.2	23.7	22.2	22.5	22.7	23.0	23.5
	22.4	22.6	22.9	23.1	23.6	22.2	22.4	22.7	22.9	23.4
	22.4	22.5	22.9	23.0	23.6	22.2	22.3	22.7	22.8	23.4
X=12H Y=4H	22.3	22.7	22.8	23.1	23.6	22.2	22.5	22.6	23.0	23.5
	22.4	22.6	22.9	23.0	23.6	22.2	22.4	22.7	22.8	23.4
	22.4	22.5	22.9	23.0	23.6	22.2	22.3	22.7	22.8	23.4
Variations with the objerver position at spacings										
S=1.0H	1.4/-1.6					1.5/-1.9				
S=1.5H	2.0/-2.9					2.1/-3.1				
S=2.0H	3.0/-4.0					3.3/-4.3				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.0					0.9				

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

Candela Tabulation

V/H	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0	C105.0	C120.0	C135.0	C150.0	C165.0
γ 0.0	203.03	202.89	202.71	202.59	202.50	202.34	206.13	205.11	204.61	204.08	203.78	203.25
γ 10.0	198.47	197.82	197.64	197.29	197.36	197.27	201.35	200.46	199.84	199.54	199.19	199.15
γ 20.0	185.78	184.98	184.75	184.35	184.44	184.11	188.52	187.82	187.30	187.23	186.98	187.17
γ 30.0	164.82	163.69	163.92	163.35	163.22	162.61	167.23	166.82	166.74	167.28	166.96	167.20
γ 40.0	135.97	134.89	135.33	134.76	134.61	133.37	137.92	137.91	138.40	139.37	139.23	139.25
γ 50.0	100.20	99.35	100.09	99.51	99.23	97.82	101.23	101.91	102.84	104.34	104.16	104.36
γ 60.0	59.66	58.80	60.04	59.70	59.42	57.60	59.21	60.52	61.88	63.64	63.35	63.33
γ 70.0	19.60	19.44	21.04	21.44	20.91	18.68	17.88	19.59	21.59	23.58	23.04	22.37
γ 80.0	2.27	2.10	2.21	2.10	2.15	1.93	1.75	2.02	2.22	2.57	2.39	2.73
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0	C300.0	C315.0	C330.0	C345.0
γ 0.0	203.03	202.89	202.71	202.59	202.50	202.34	206.13	205.11	204.61	204.08	203.78	203.25
γ 10.0	199.08	199.17	199.10	199.19	199.05	199.13	202.64	201.44	200.73	199.97	199.49	198.78
γ 20.0	187.17	187.63	187.56	187.96	187.64	187.83	190.59	189.50	188.64	187.66	187.11	186.32
γ 30.0	167.04	168.01	168.21	168.97	168.66	168.56	170.07	169.00	168.46	167.62	166.79	165.40
γ 40.0	139.08	140.47	141.25	142.30	141.47	141.16	141.40	140.54	140.57	139.57	138.88	136.81
γ 50.0	103.82	105.74	106.94	108.07	107.38	106.61	105.98	105.32	105.75	104.77	103.97	101.45
γ 60.0	62.71	65.13	66.68	68.18	67.17	66.34	65.25	65.13	65.95	65.03	63.97	61.07
γ 70.0	21.47	23.88	25.92	27.70	26.64	25.01	24.16	24.38	25.99	25.65	24.46	21.35
γ 80.0	2.66	3.18	3.51	3.81	3.61	3.38	3.41	3.36	3.56	3.27	3.10	2.54
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00