

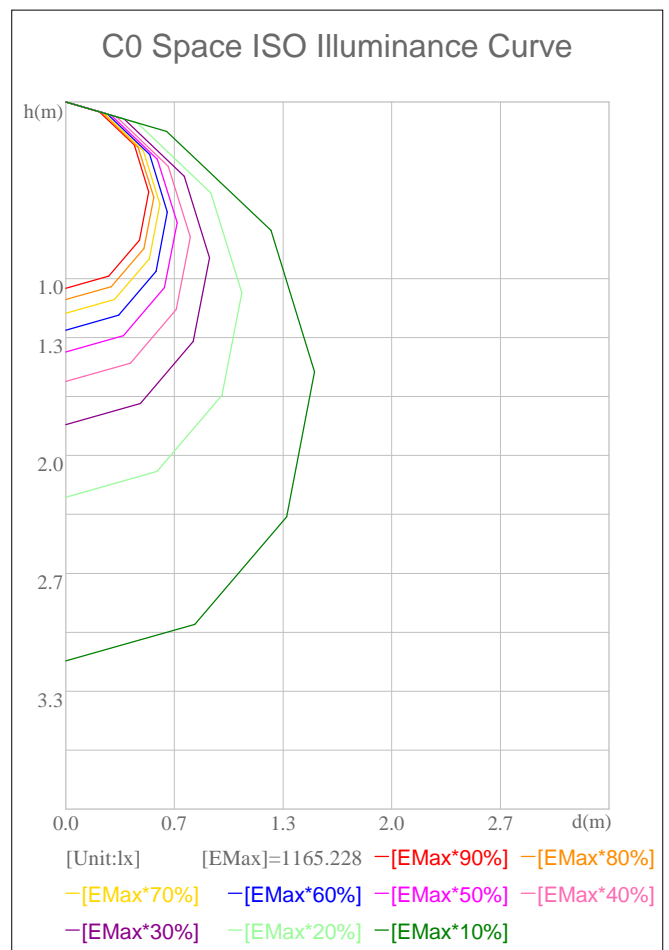
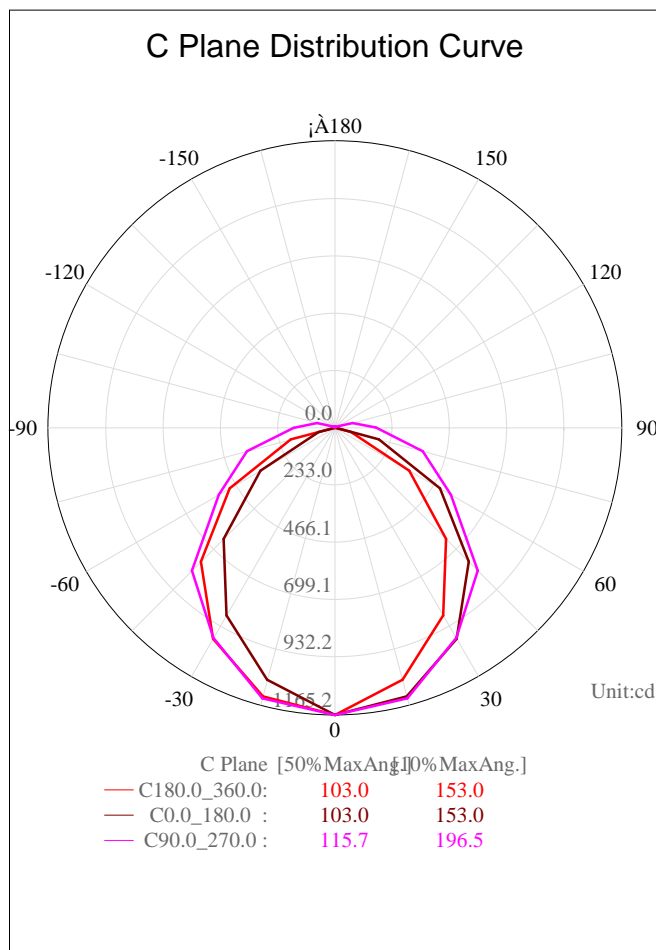
**Indoor Luminaire Photometric Data**

**Luminaire Description Information**

Luminaire Name:LED SLIMLINE BATTEN 1200MM		Lum. Catalog: LED LINEAR	Test ID: 2018/03/09-01
Lamp Name: LED SLIMLINE BATTEN 1200MM		Lamp Catalog: LED SLIMLINE	Test Date: 2018/03/12
Manufacturer: eLighting		Shld.Ang(°):	Test Machine:GON-2000
Test Lab: Mopedi		Frequency(Hz):50	Lamp CCT(K): 6000 Ra: 82
Lum.Size(W*L*H): 0.090m*1.200m*0.000m		Lum.Area(m <sup>2</sup> ): 0.108	Lum.W(kg): 0.000
Test System: C, Å	Test Step: C=15.0 Å=15.0	Temp.(°C): 25	Humidity(%): 50.0

**Characteristic Parameter**

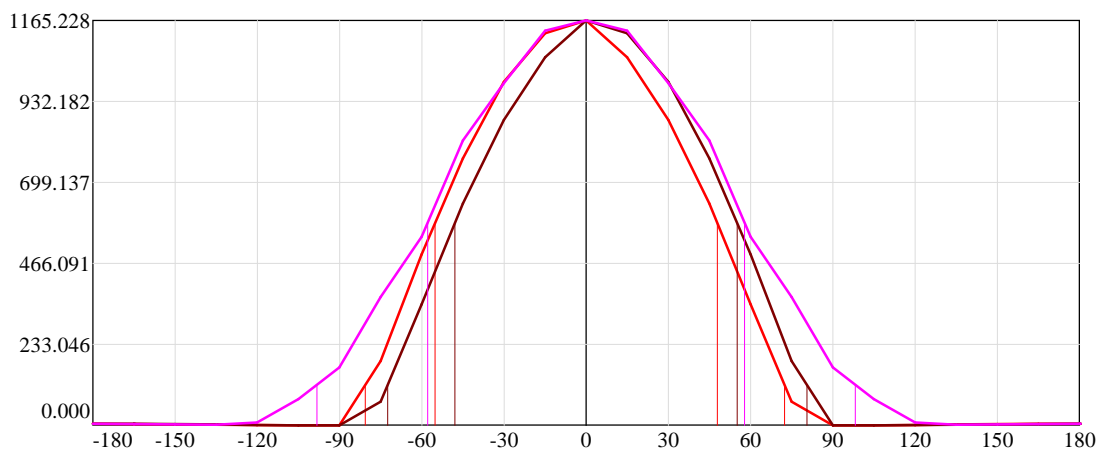
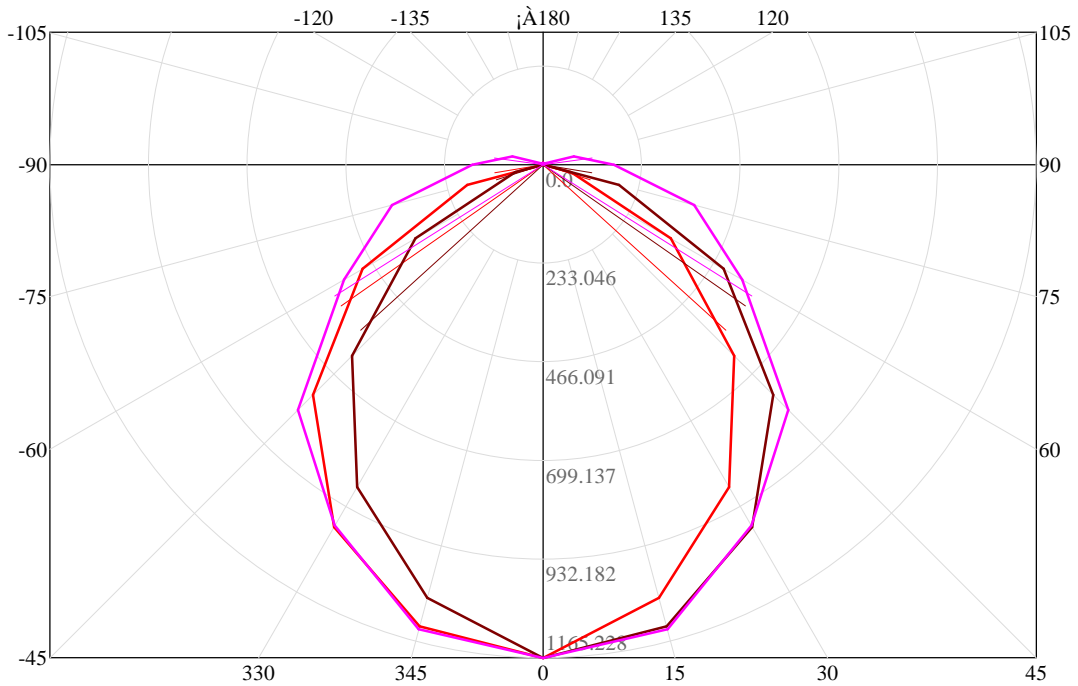
Lamp Characteristics	Luminaire Characteristics	
Nominal Flux(lm): 3800.000	Luminaire Lumens(lm): 3578.719	Field Angle(10%Imax): 153.0(°)
Rated Power(W): 38	Luminaire Efficiency: 94.18%	Down Lm&Percent:3445.7lm,96.28%
Rated Voltage(V): 220	Luminaire EER(lm/W): 97.752	Up Lm&Percent: 133.0lm,3.72%
Tested Power(W): 36.610	Max.Candela(cd): 1165.228	S/MH: C0_C180=1.201,C90_C270=1.271
Lamps' Number: 1	Max Cand.@Angle(°): C=0.0, Å=0.0	CIE Type: Semi-Direct
Electrics(V,A,pf):220.6,0.171,0.970	Beam Angle(50%Imax): 103.0(°)	ErP Use(120°): 2582.235lm
Lamp Size(m):0.090*1.200*0.000	Left=-47.9°;Right=55.1°	IRF(%): 106.514



**2D Plane Light Intensity Distribution Curve**

Lum.Name: LED SLIMLINE BATTEN 1200MM	Lum.Catelog: LED LINEAR	Test ID: 2018/03/09-01
Lamp Name: LED SLIMLINE BATTEN 1200MM	Lamp Catelog:LED SLIMLINE BATT	Test Lab: Mopedi
Manufacturer:eLighting	Test Machine:GON-2000	Test Date:2018/03/12

**C Plane Distribution Curve**

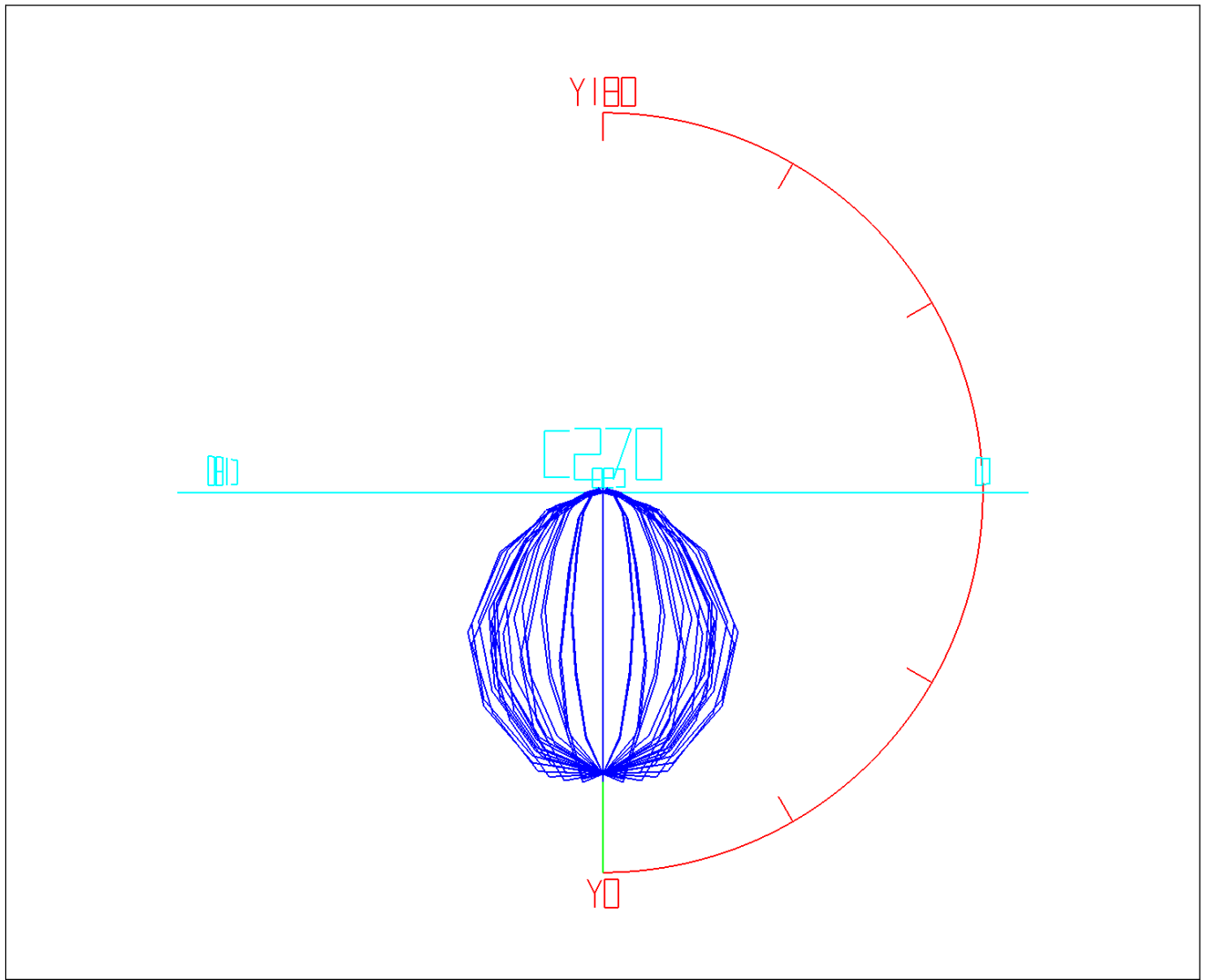


	C Plane	[50% MaxAng.]	[10% MaxAng.]	Unit:cd
—	C180.0_360.0:	103.0	153.0	
—	C0.0_180.0 :	103.0	153.0	
—	C90.0_270.0 :	115.7	196.5	

### 3D Light Intensity Distribution Modal

Lum.Name: LED SLIMLINE BATTEN 1200MM	Lum.Catelog: LED LINEAR	Test ID: 2018/03/09-01
Lamp Name: LED SLIMLINE BATTEN 1200MM	Lamp Catelog:LED SLIMLINE BATT	Test Lab: Mopedi
Manufacturer:eLighting	Test Machine:GON-2000	Test Date:2018/03/12

### 3D Light Intensity Distribution Modal



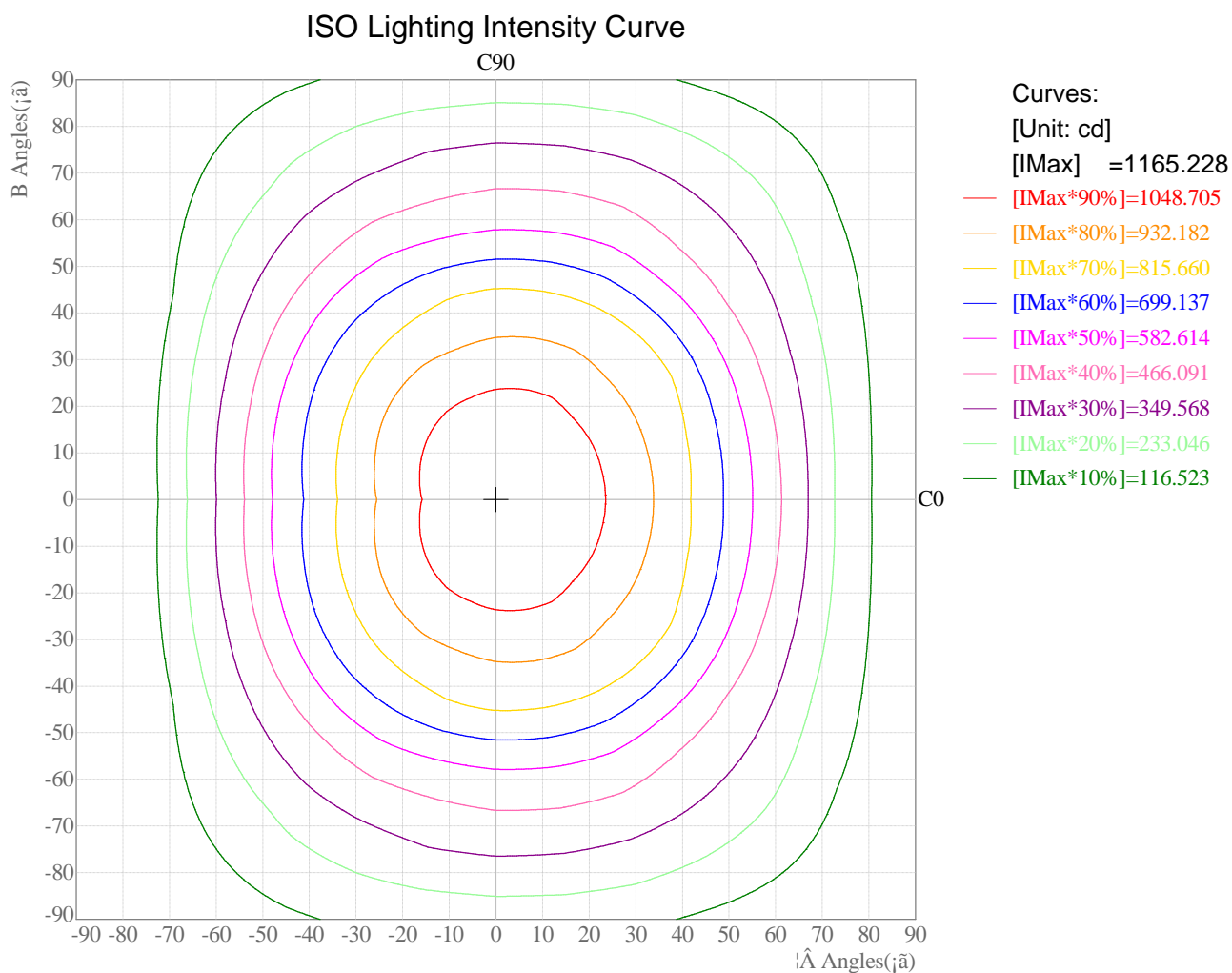
Curves:            3D Model ——— 3D Model    Fixture ——— Fixture    Vert. HUD ——— Vert. HUD    Hori. HUD ——— Hori. HUD  
View Angles:       Orient:0            Tilt:0            Roll:0            Spin:0

**Zonal Flux Tabulation**

Zone(°)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-15.0	244.61	244.61	6.44	6.44
15.0-30.0	653.47	898.08	17.20	23.63
30.0-45.0	866.35	1764.43	22.80	46.43
45.0-60.0	817.80	2582.23	21.52	67.95
60.0-75.0	570.77	3153.01	15.02	82.97
75.0-90.0	292.68	3445.69	7.70	90.68
90.0-105.0	98.43	3544.12	2.59	93.27
105.0-120.0	25.44	3569.56	0.67	93.94
120.0-135.0	3.34	3572.90	0.09	94.02
135.0-150.0	2.63	3575.53	0.07	94.09
150.0-165.0	2.28	3577.81	0.06	94.15
165.0-180.0	0.90	3578.72	0.02	94.18

**Rectangle ISO Lighting Intensity Diagram**

Lum.Name: LED SLIMLINE BATTEN 1200MM	Lum.Catelog: LED LINEAR	Test ID: 2018/03/09-01
Lamp Name: LED SLIMLINE BATTEN 1200MM	Lamp Catelog:LED SLIMLINE BATT	Test Lab: Mopedi
Manufacturer:eLighting	Test Machine:GON-2000	Test Date:2018/03/12

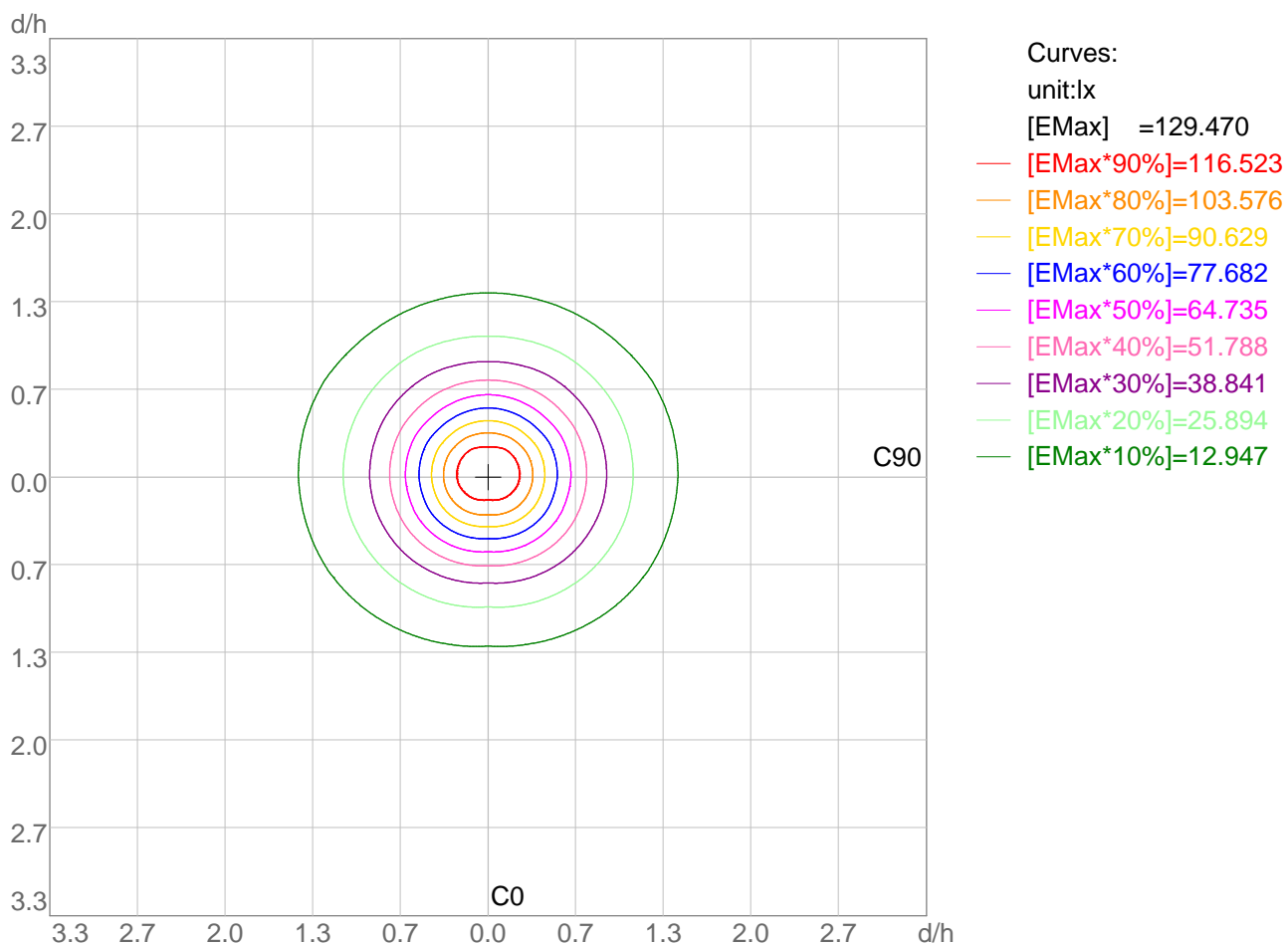


Maximum Light Intensity(cd): 1165.23  
 Maximum Cand.@Angle: H=0.0;V=0.0

**Plane ISO-Illuminance Diagram**

Lum.Name: LED SLIMLINE BATTEN 1200MM	Lum.Catelog: LED LINEAR	Test ID: 2018/03/09-01
Lamp Name: LED SLIMLINE BATTEN 1200MM	Lamp Catelog:LED SLIMLINE BATT	Test Lab: Mopedi
Manufacturer:eLighting	Test Machine:GON-2000	Test Date:2018/03/12

Plane ISO-Illuminance Curve

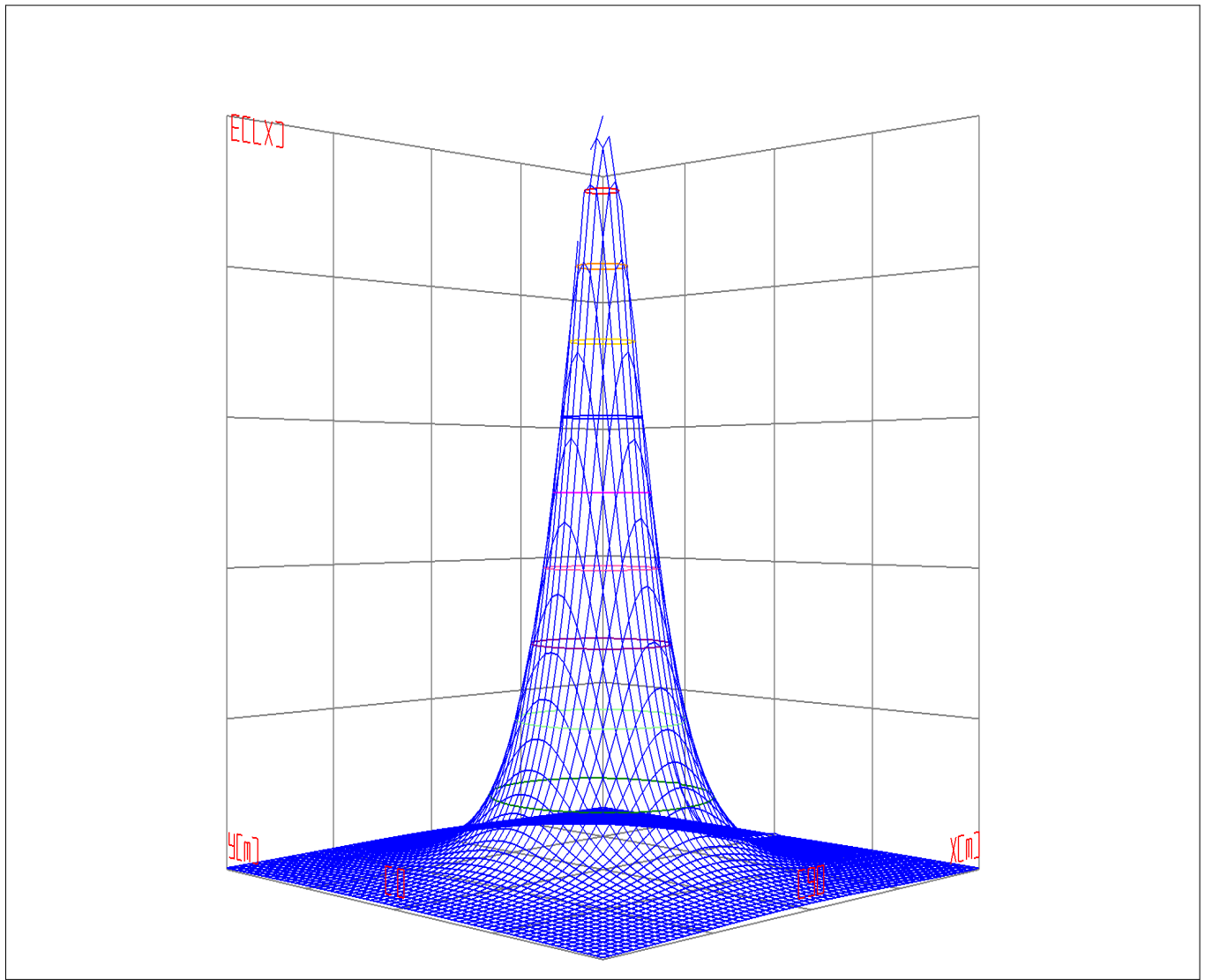


Working Plane Luminaire Mounting Height(m): 3.00  
 Working Plane Maximum Illuminance(lx): 129.47  
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

### 3D Plane ISO Illuminance Diagram

Lum.Name: LED SLIMLINE BATTEN 1200MM	Lum.Catelog: LED LINEAR	Test ID: 2018/03/09-01
Lamp Name: LED SLIMLINE BATTEN 1200MM	Lamp Catelog:LED SLIMLINE BATT	Test Lab: Mopedi
Manufacturer:eLighting	Test Machine:GON-2000	Test Date:2018/03/12

3D Plane Illuminance Modal

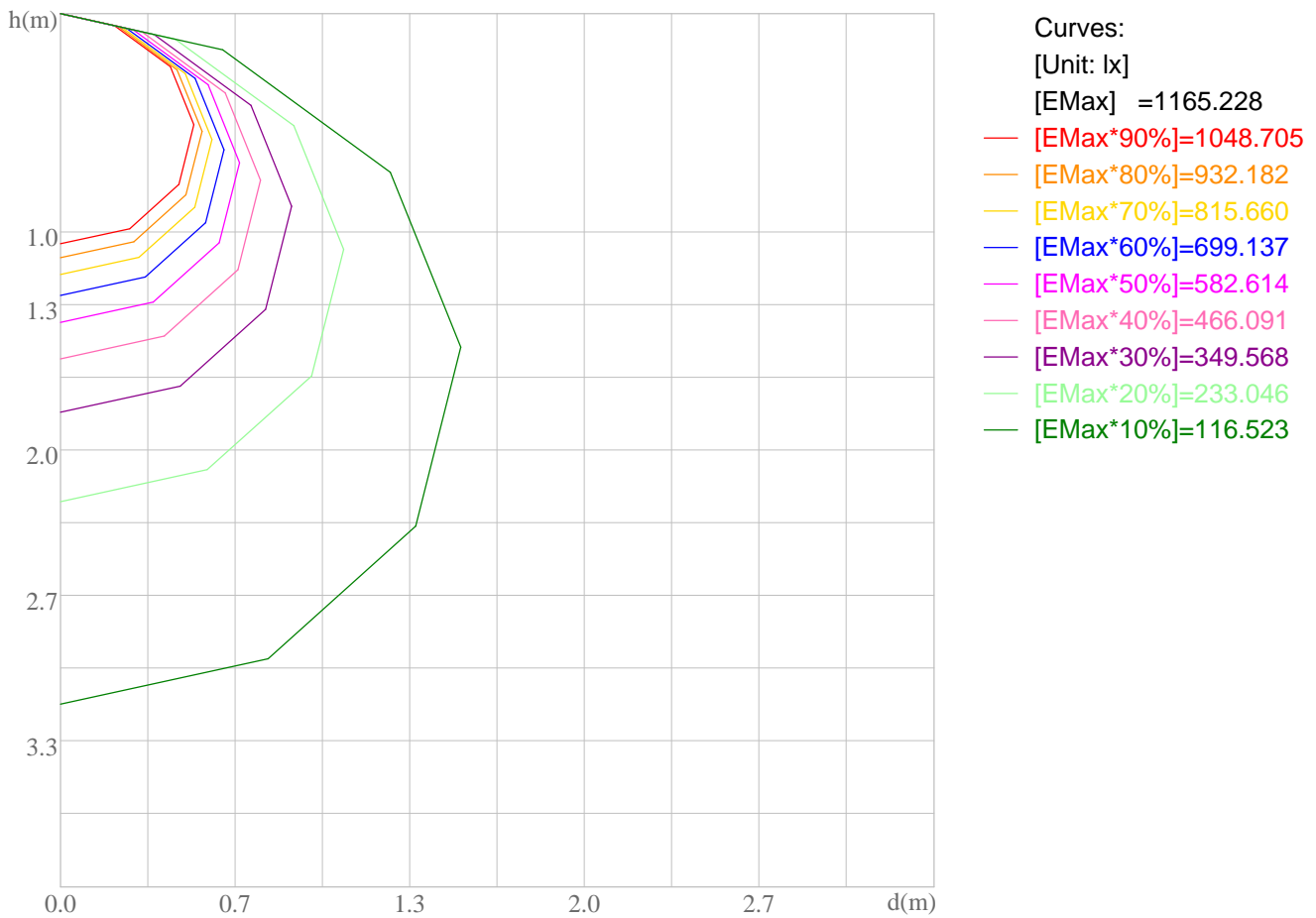


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0

**Space ISO Illuminance Diagram**

Lum.Name: LED SLIMLINE BATTEN 1200MM	Lum.Catelog: LED LINEAR	Test ID: 2018/03/09-01
Lamp Name: LED SLIMLINE BATTEN 1200MM	Lamp Catelog:LED SLIMLINE BATT	Test Lab: Mopedi
Manufacturer:eLighting	Test Machine:GON-2000	Test Date:2018/03/12

Space ISO Illuminance Curve



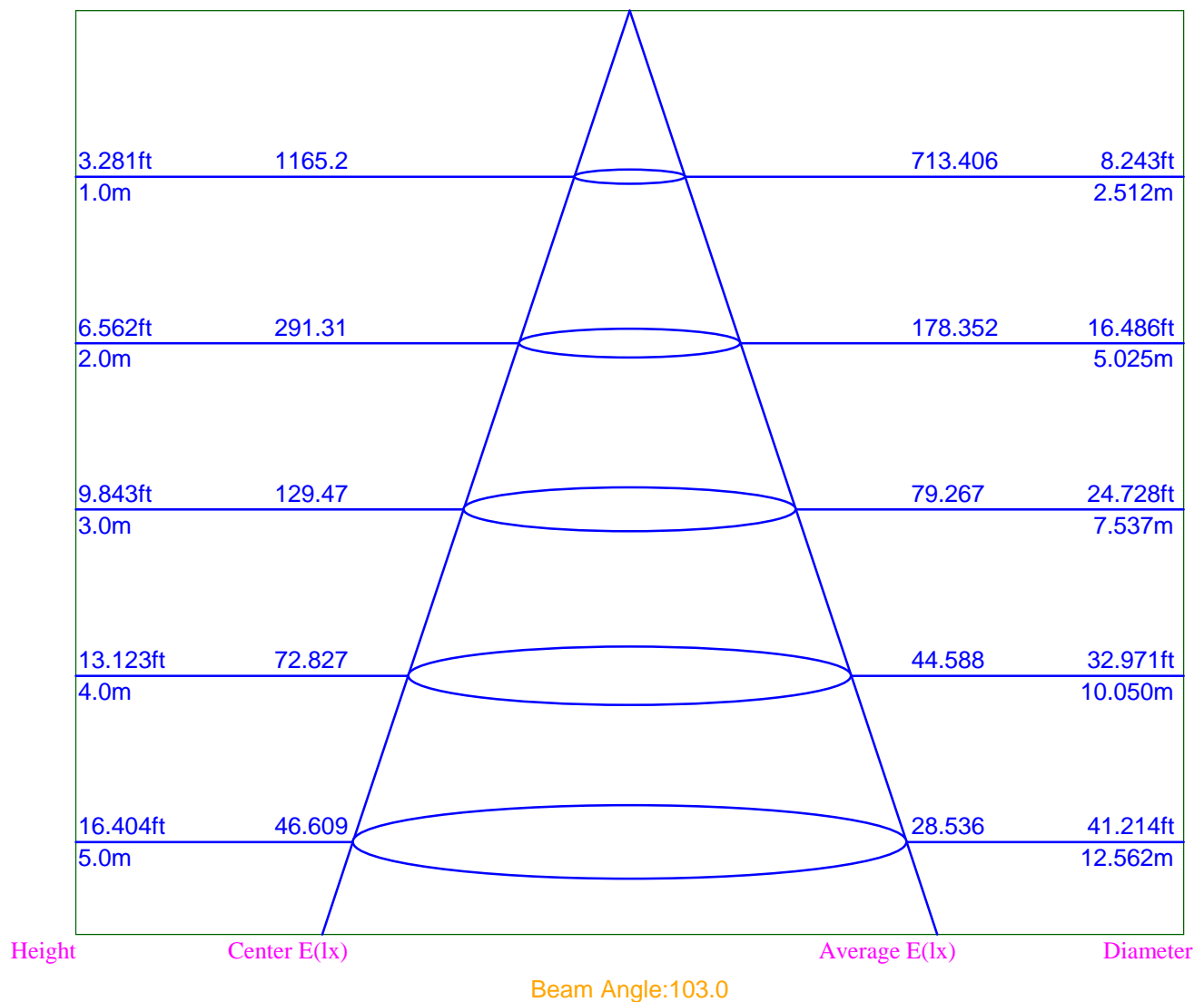
Space Plane Maximum Illuminance and @Angle:1165.23lx,0.0deg  
 Plane Maximum Lighting Intensity and @Angle:1165.228cd,0deg



**Illuminance-Distance Diagram**

Lum.Name: LED SLIMLINE BATTEN 1200MM	Lum.Catelog: LED LINEAR	Test ID: 2018/03/09-01
Lamp Name: LED SLIMLINE BATTEN 1200MM	Lamp Catelog:LED SLIMLINE BATT	Test Lab: Mopedi
Manufacturer:eLighting	Test Machine:GON-2000	Test Date:2018/03/12

Illuminance-Distance Curve



**Indoor Lamp Luminance Limiting Curves**

<b>Lum.Name:</b> LED SLIMLINE BATTEN 1200MM	<b>Lum.Catelog:</b> LED LINEAR	<b>Test ID:</b> 2018/03/09-01
<b>Lamp Name:</b> LED SLIMLINE BATTEN 1200MM	<b>Lamp Catelog:</b> LED SLIMLINE BATT	<b>Test Lab:</b> Mopedi
<b>Manufacturer:</b> eLighting	<b>Test Machine:</b> GON-2000	<b>Test Date:</b> 2018/03/12

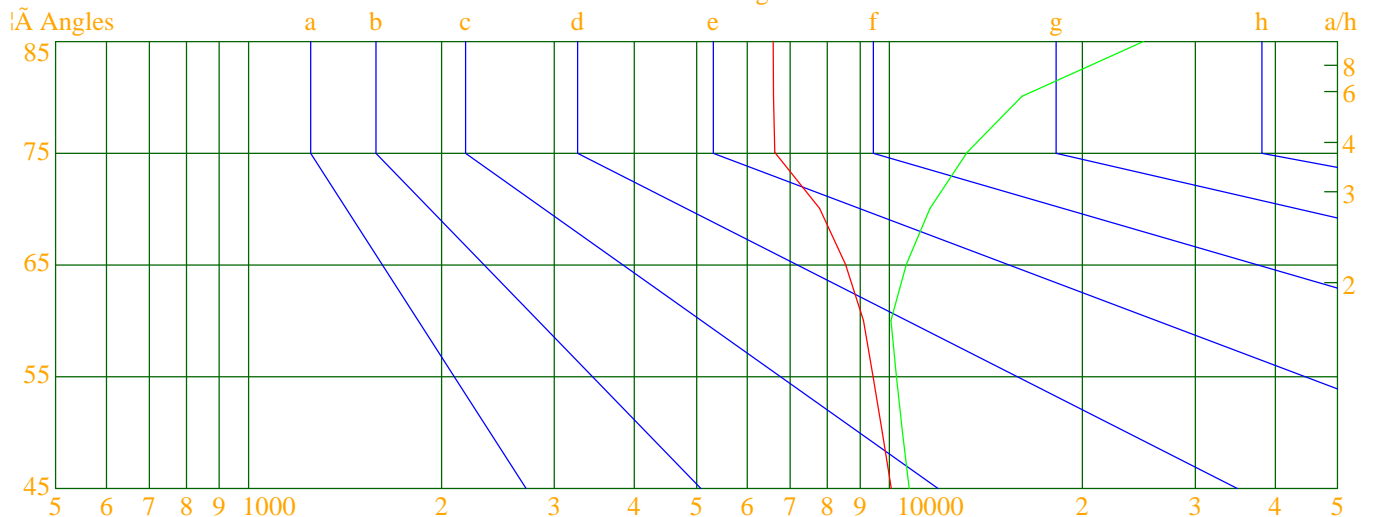
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
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	10065	9744	9431	9111	8539	7783	6626	6590	6583
C90	10732	10476	10251	10050	10624	11563	13212	16093	24893

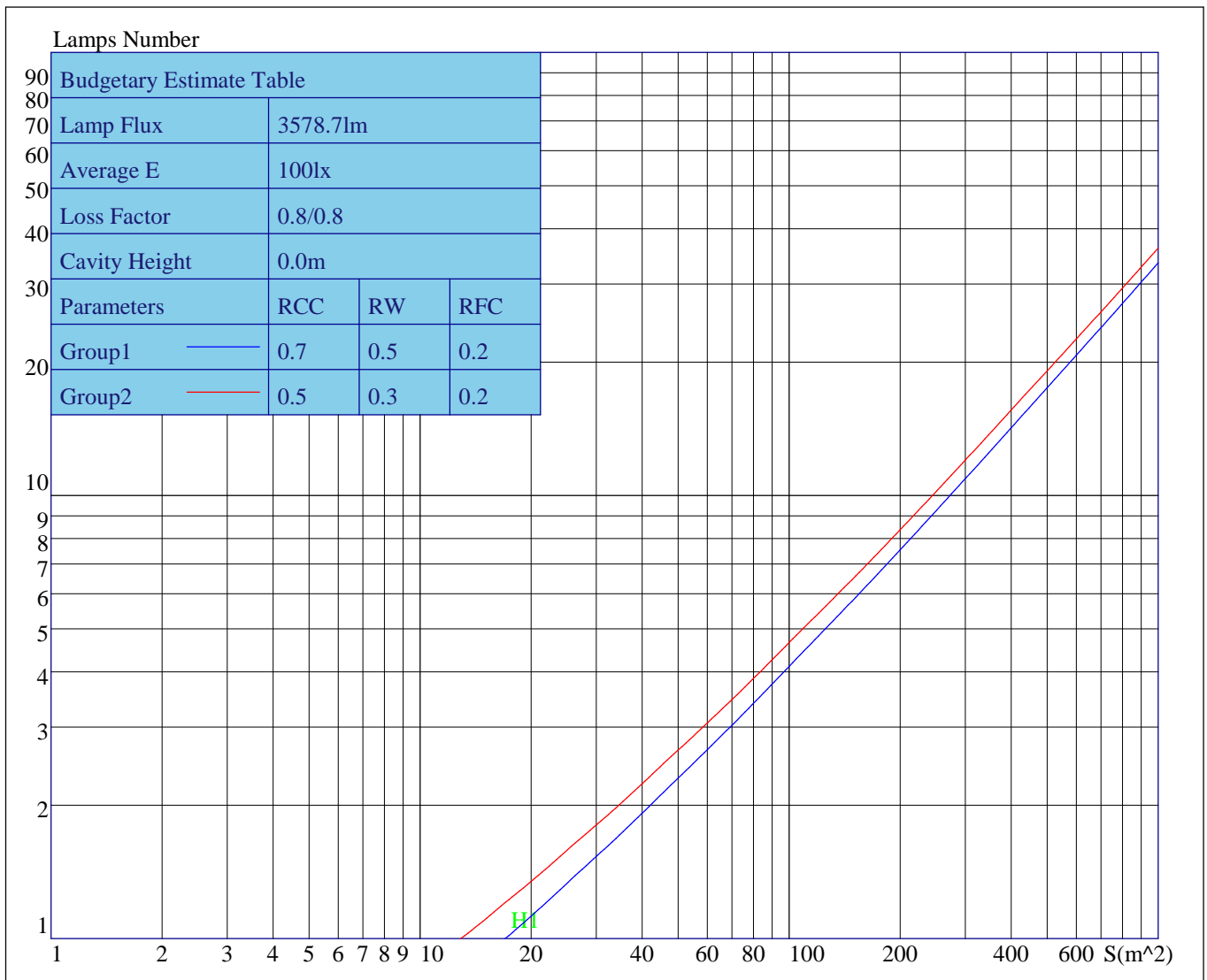
Luminance Limiting Curve



Luminous Size: Length(m)=1.200 Width(m)=0.090 Height(m)=0.000 Area(m^2)=0.108000  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

**Indoor Lamp Budgetary Estimate Table**

<b>Lum.Name:</b> LED SLIMLINE BATTEN 1200MM	<b>Lum.Catelog:</b> LED LINEAR	<b>Test ID:</b> 2018/03/09-01
<b>Lamp Name:</b> LED SLIMLINE BATTEN 1200MM	<b>Lamp Catelog:</b> LED SLIMLINE BATT	<b>Test Lab:</b> Mopedi
<b>Manufacturer:</b> eLighting	<b>Test Machine:</b> GON-2000	<b>Test Date:</b> 2018/03/12



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 Lamp Coefficient of Utilization Table**

<b>Lum.Name:</b> LED SLIMLINE BATTEN 1200MM	<b>Lum.Catelog:</b> LED LINEAR	<b>Test ID:</b> 2018/03/09-01
<b>Lamp Name:</b> LED SLIMLINE BATTEN 1200MM	<b>Lamp Catelog:</b> LED SLIMLINE BATT	<b>Test Lab:</b> Mopedi
<b>Manufacturer:</b> eLighting	<b>Test Machine:</b> GON-2000	<b>Test Date:</b> 2018/03/12

<b>Coefficients of Utilization - Zonal Cavity Method</b>																		
	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	111	111	111	111	108	108	108	108	102	102	102	97	97	97	93	93	93	90
1	100	95	91	87	97	93	89	85	88	85	82	84	81	78	80	77	75	73
2	91	83	76	70	88	80	74	69	76	71	67	73	68	65	69	66	63	60
3	83	72	64	58	80	71	63	57	67	61	56	64	59	54	61	57	53	50
4	76	64	55	49	73	62	55	48	60	53	47	57	51	46	54	49	45	43
5	70	57	48	42	67	56	48	42	53	46	41	51	45	40	49	44	39	37
6	64	51	43	37	62	50	42	36	48	41	36	46	40	35	44	39	34	32
7	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29
8	55	43	34	29	54	42	34	29	40	33	28	39	32	28	37	32	27	26
9	52	39	31	26	50	38	31	26	37	30	25	36	29	25	34	29	25	23
10	49	36	28	23	47	35	28	23	34	28	23	33	27	23	32	26	22	21

**Unified Glare Rating Table**

<b>Lum.Name:</b> LED SLIMLINE BATTEN 1200MM	<b>Lum.Catelog:</b> LED LINEAR	<b>Test ID:</b> 2018/03/09-01
<b>Lamp Name:</b> LED SLIMLINE BATTEN 1200MM	<b>Lamp Catelog:</b> LED SLIMLINE BATT	<b>Test Lab:</b> Mopedi
<b>Manufacturer:</b> eLighting	<b>Test Machine:</b> GON-2000	<b>Test Date:</b> 2018/03/12

**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 Dimensions	Vewed crosswise					Vewed endwise				
X=2H Y=2H	18.2	19.8	17.2	18.6	18.9	18.3	19.9	17.3	18.6	19.0
Y=3H	19.8	21.2	19.0	20.2	20.5	20.6	22.0	19.7	20.9	21.3
Y=4H	20.5	21.8	19.7	20.8	21.2	21.8	23.1	21.1	22.2	22.6
Y=6H	21.0	22.2	20.3	21.4	21.8	23.2	24.4	22.5	23.5	24.0
Y=8H	21.2	22.4	20.5	21.6	22.0	23.9	25.0	23.2	24.3	24.7
Y=12H	21.3	22.4	20.7	21.7	22.1	24.6	25.7	24.0	25.0	25.5
X=4H Y=2H	18.2	19.5	17.4	18.6	18.9	18.0	19.3	17.2	18.4	18.7
Y=3H	20.0	21.1	19.4	20.4	20.8	20.3	21.5	19.7	20.7	21.2
Y=4H	20.8	21.8	20.3	21.2	21.7	21.7	22.7	21.2	22.1	22.6
Y=6H	21.5	22.4	21.2	22.0	22.5	23.3	24.2	22.9	23.7	24.2
Y=8H	21.8	22.6	21.6	22.3	22.8	24.1	24.9	23.9	24.6	25.1
Y=12H	22.0	22.8	21.9	22.5	23.1	25.1	25.8	24.9	25.6	26.1
X=8H Y=4H	22.6	23.4	22.4	23.1	23.6	23.8	24.7	23.6	24.3	24.8
Y=6H	23.3	24.0	23.2	23.8	24.4	25.3	25.9	25.2	25.8	26.3
Y=8H	23.6	24.2	23.6	24.2	24.7	26.1	26.7	26.1	26.6	27.2
Y=12H	23.9	24.4	24.0	24.4	25.0	27.0	27.5	27.1	27.6	28.2
X=12H Y=4H	23.0	23.7	22.8	23.5	24.0	24.0	24.8	23.9	24.5	25.1
Y=6H	23.9	24.4	23.8	24.4	25.0	25.6	26.2	25.6	26.2	26.7
Y=8H	24.3	24.8	24.3	24.8	25.4	26.6	27.1	26.6	27.1	27.7
Variations with the objerver position at spacings										
S=1.0H	0.4/-0.4					0.5/-0.5				
S=1.5H	0.9/-0.8					0.8/-1.0				
S=2.0H	1.0/-0.9					0.5/-1.0				
Reduced UGR Table:										
Standard Table:	BK0					BK0				
Correction Value	4.1					5.6				

is table is calculated according to the document STD.CIE 117-1995

**IES Indoor Report**  
**Photometric Filename:SLIMLINE1200.IES**

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**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
⌈ <b>0.0</b>	1165.23	1165.23	1165.23	1165.23	1165.23	1165.23	1165.23	1165.23	1165.23	1165.23	1165.23	1165.23
⌈ <b>15.0</b>	1128.61	1133.20	1144.46	1145.65	1144.13	1140.34	1135.83	1128.02	1113.68	1101.56	1086.03	1071.30
⌈ <b>30.0</b>	988.00	984.13	979.69	981.47	998.54	993.50	984.40	967.67	963.97	942.91	920.51	897.38
⌈ <b>45.0</b>	768.63	784.66	814.00	822.18	827.24	825.88	819.57	803.48	768.81	738.59	700.64	667.32
⌈ <b>60.0</b>	492.02	484.50	482.58	501.75	544.03	549.23	542.71	520.07	506.54	463.41	416.83	375.32
⌈ <b>75.0</b>	185.21	208.92	271.75	315.95	349.80	367.53	369.31	350.65	304.83	258.11	189.94	118.87
⌈ <b>90.0</b>	0.34	15.65	52.86	96.82	144.10	163.58	166.82	153.06	137.49	96.62	49.66	10.18
⌈ <b>105.0</b>	0.00	0.00	6.89	25.38	50.67	68.16	75.14	67.73	43.47	22.80	5.08	0.21
⌈ <b>120.0</b>	0.72	0.79	1.01	1.08	3.43	6.69	8.08	6.59	4.88	1.30	1.22	1.21
⌈ <b>135.0</b>	1.86	1.92	1.67	1.77	1.71	1.74	1.86	2.09	2.02	2.39	2.37	2.47
⌈ <b>150.0</b>	3.04	3.28	3.09	3.15	3.18	3.04	3.21	3.23	3.19	3.39	3.44	3.46
⌈ <b>165.0</b>	3.96	4.05	3.81	3.92	3.89	3.91	3.89	4.00	4.00	4.28	4.07	4.31
⌈ <b>180.0</b>	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43
<b>V/H</b>	<b>C180.0</b>											
⌈ <b>0.0</b>	1165.23											
⌈ <b>15.0</b>	1059.03											
⌈ <b>30.0</b>	879.07											
⌈ <b>45.0</b>	637.99											
⌈ <b>60.0</b>	348.48											
⌈ <b>75.0</b>	68.38											
⌈ <b>90.0</b>	0.00											
⌈ <b>105.0</b>	0.26											
⌈ <b>120.0</b>	1.32											
⌈ <b>135.0</b>	2.69											
⌈ <b>150.0</b>	3.52											
⌈ <b>165.0</b>	4.22											
⌈ <b>180.0</b>	4.43											