

# IES Indoor Report

Photometric Filename:8FT LED Linear Strip Light 60-80W 3500-6500K.IES

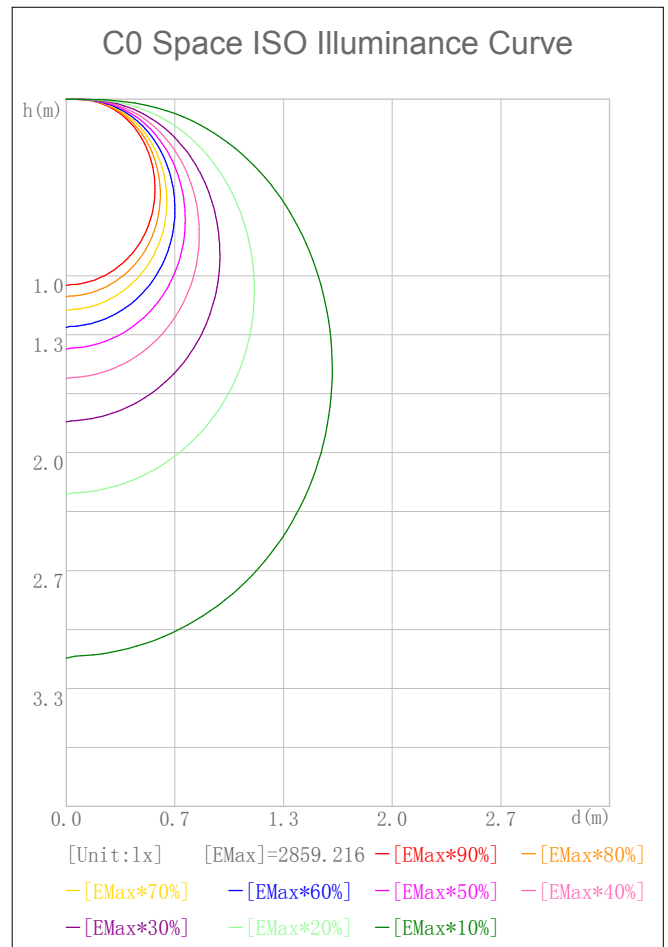
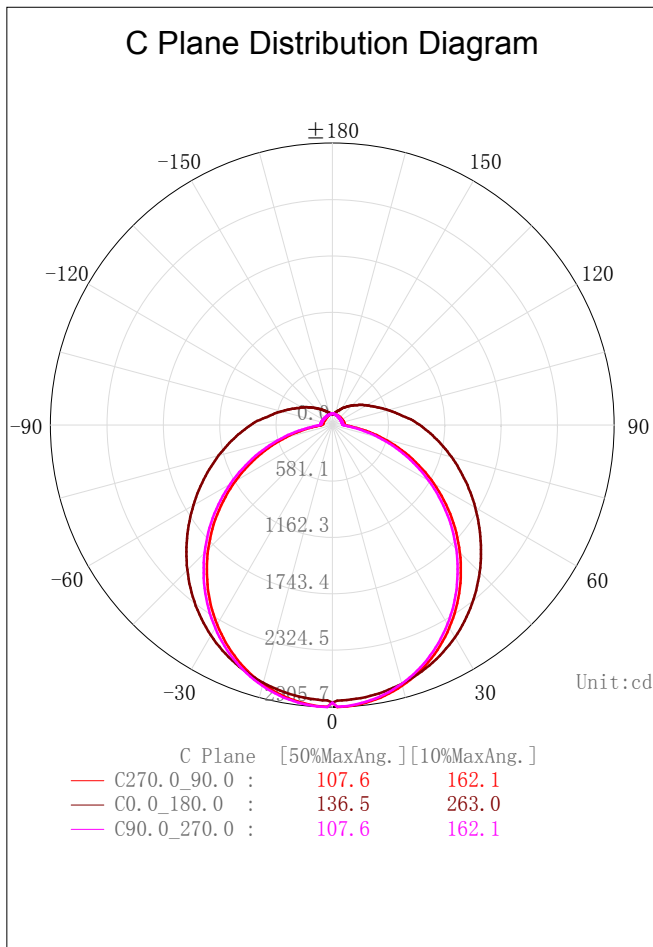
## Indoor Luminaire Photometric Data

### Description Information

Luminary Name:8FT LED Linear Strip Light 60-80W 3500-6500K		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2023/12/28
Manufacture: ecoLed		Shld. Ang(°):	Test Machine:GON-2000
Test Lab: IES Testing Laboratory		Frequency(Hz):50	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.000m*2.400m*0.000m		Lum. Area(m2):0.000	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity(%): 50.0

### Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	11361.000	Luminary Flux(lm):	11360.491
Rated Power(W):	80	Luminary Efficiency:	100.00%
Rated Voltage(V):	220	Luminary EER(lm/W):	140.340
Tested Power(W):	80.950	Max. Candela(cd):	2905.654
Lamps' Inside:	1	Max Cand@Ang. (°):	C=270.0 γ=1.0
Tested Electrics(V, A, pf):	220.9, 0.374, 0.980	Beam Angle(50%Imax):	107.6(°)
Lamp Size(W*L*H):0.000m*2.400m*0.000m		Left=-53.2°, Right=54.5°	IRF(%): 107.037
		Field Angle(10%Imax):	162.1(°)
		Down Lumens&Percent:	9622.033lm 84.70%
		Up Lumens&Percent:	1738.458lm 15.30%
		S/MH:	C0_a180=1.309 C90_270=1.242
		CIE Type:	General Diffuse
		ErP Φ use(120°):	6612.588lm



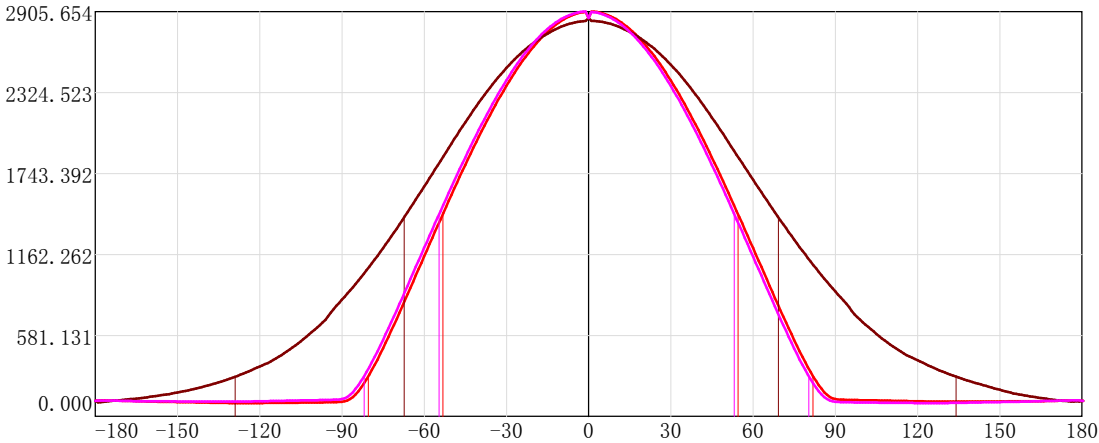
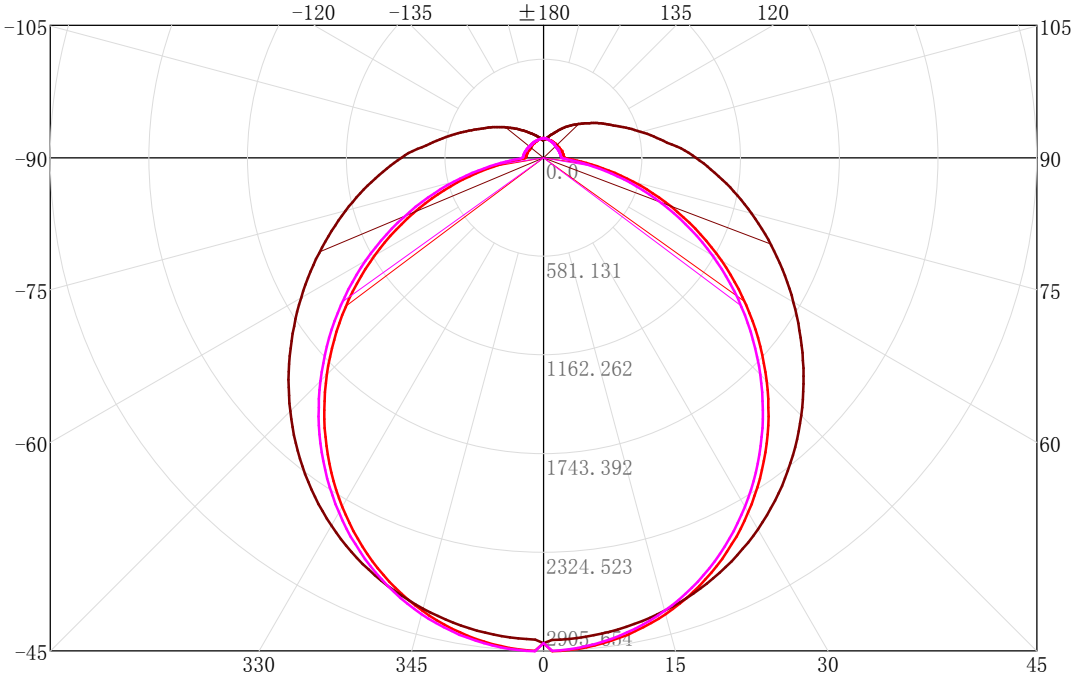
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## 2D Plane Light Intensity Distribution Curve

Lum. Name: 8FT LED Linear Strip Light 60-80W 3500-6500K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: IES Testing Laboratory
Manufacture: ecoLed	Test Machine:GON-2000	Test Date: 2023/12/28

C Plane Distribution Diagram



	C Plane	[50%MaxAng. ]	[10%MaxAng. ]	Unit:cd
—	C270.0_90.0 :	107.6	162.1	
—	C0.0_180.0 :	136.5	263.0	
—	C90.0_270.0 :	107.6	162.1	

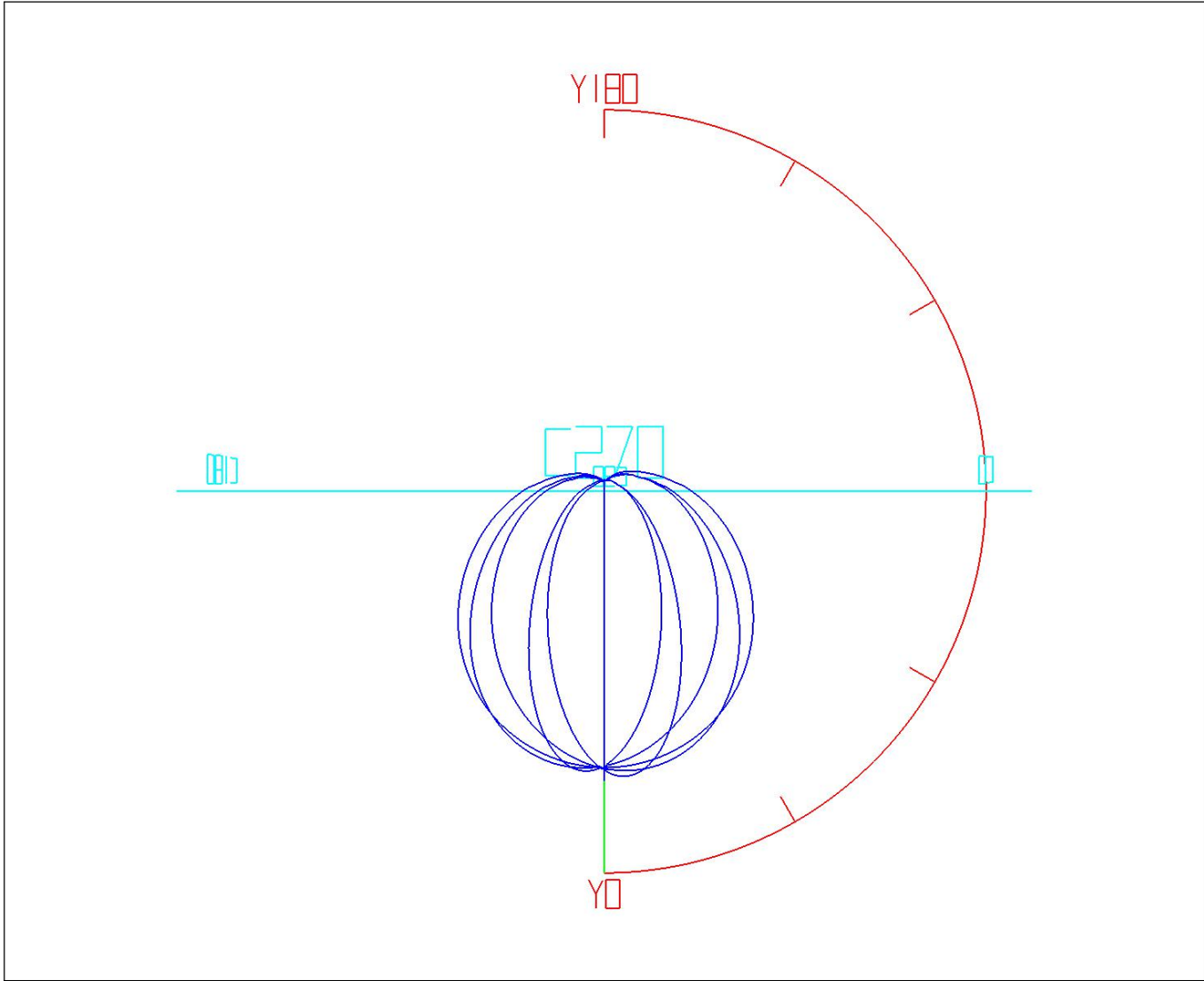
**IES Indoor Report**

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**3D Light Intensity Distribution Modal**

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Lamp Name:	Lamp Catalog:	Test Lab: IES Testing Laboratory
Manufacture: ecoLed	Test Machine:GON-2000	Test Date: 2023/12/28

**3D Light Intensity Distribution Modal**



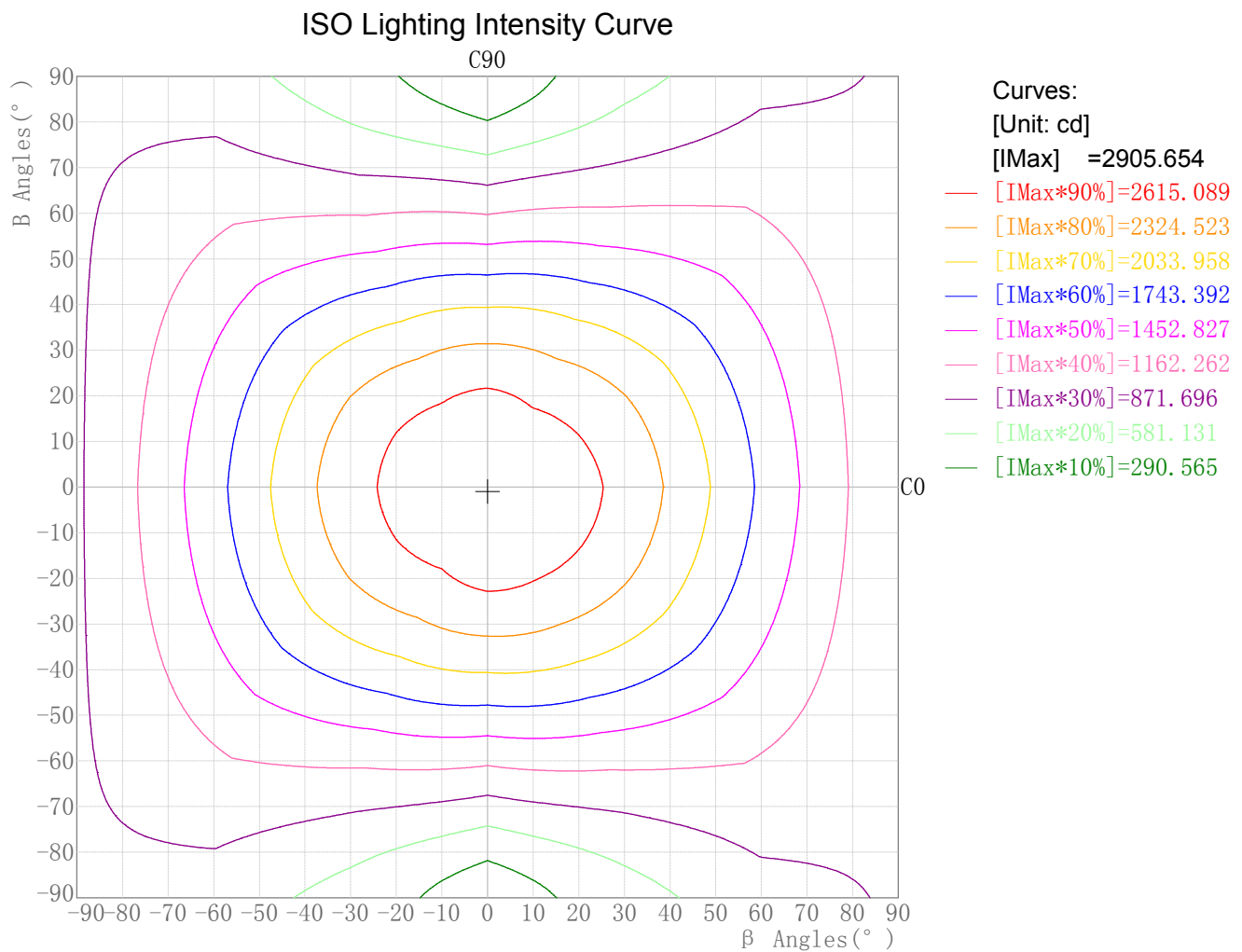
Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———  
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

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## Rectangle ISO Lighting Intensity Diagram

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Lamp Name:	Lamp Catalog:	Test Lab: IES Testing Laboratory
Manufacture: ecoLed	Test Machine:GON-2000	Test Date: 2023/12/28



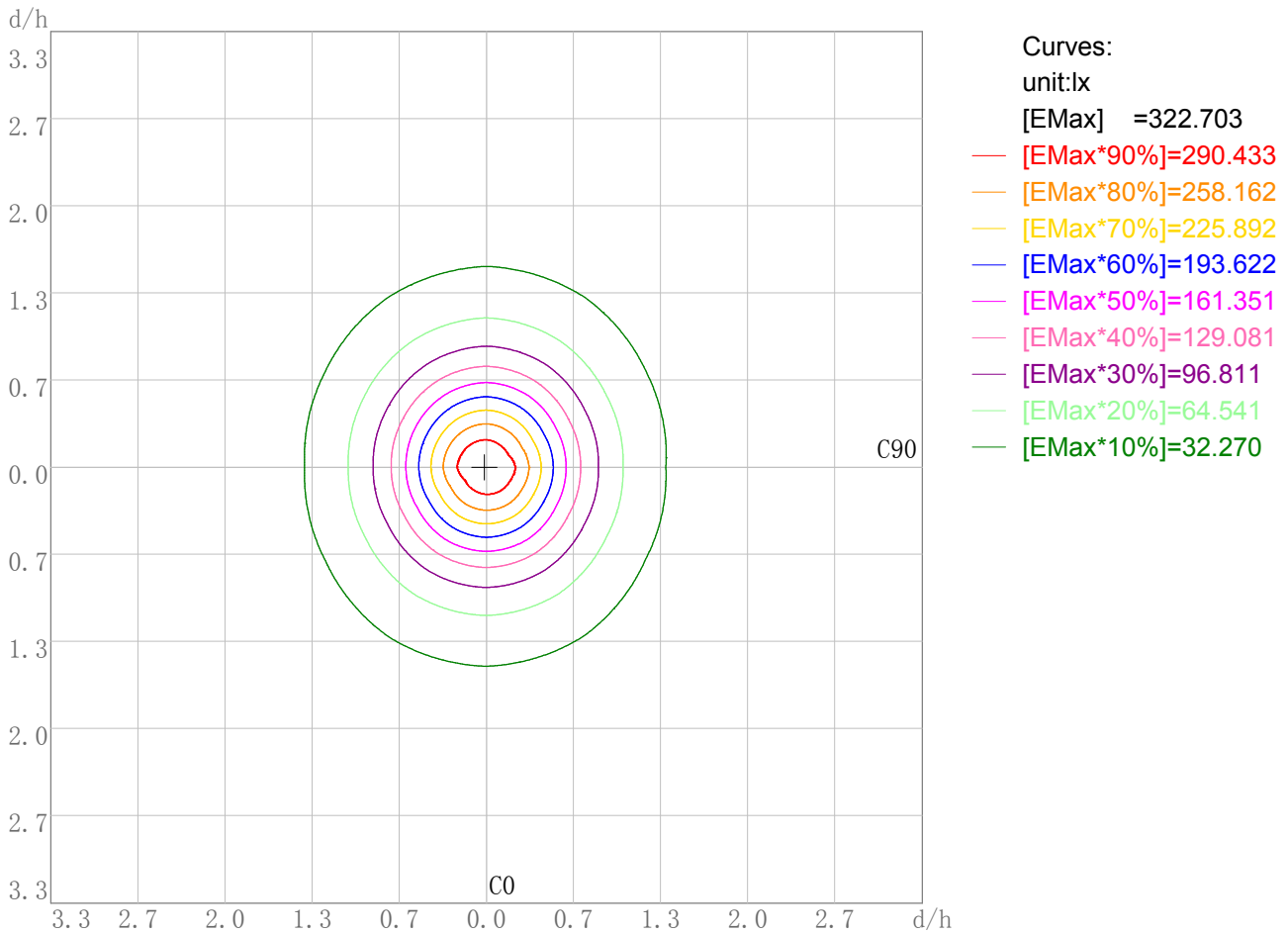
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## Plane ISO-Illuminance Diagram

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Lamp Name:	Lamp Catalog:	Test Lab: IES Testing Laboratory
Manufacture: ecoLed	Test Machine: GON-2000	Test Date: 2023/12/28

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 322.70  
Working Plane Maximum Illuminance Position(d/h):H-0.0 V-0.0

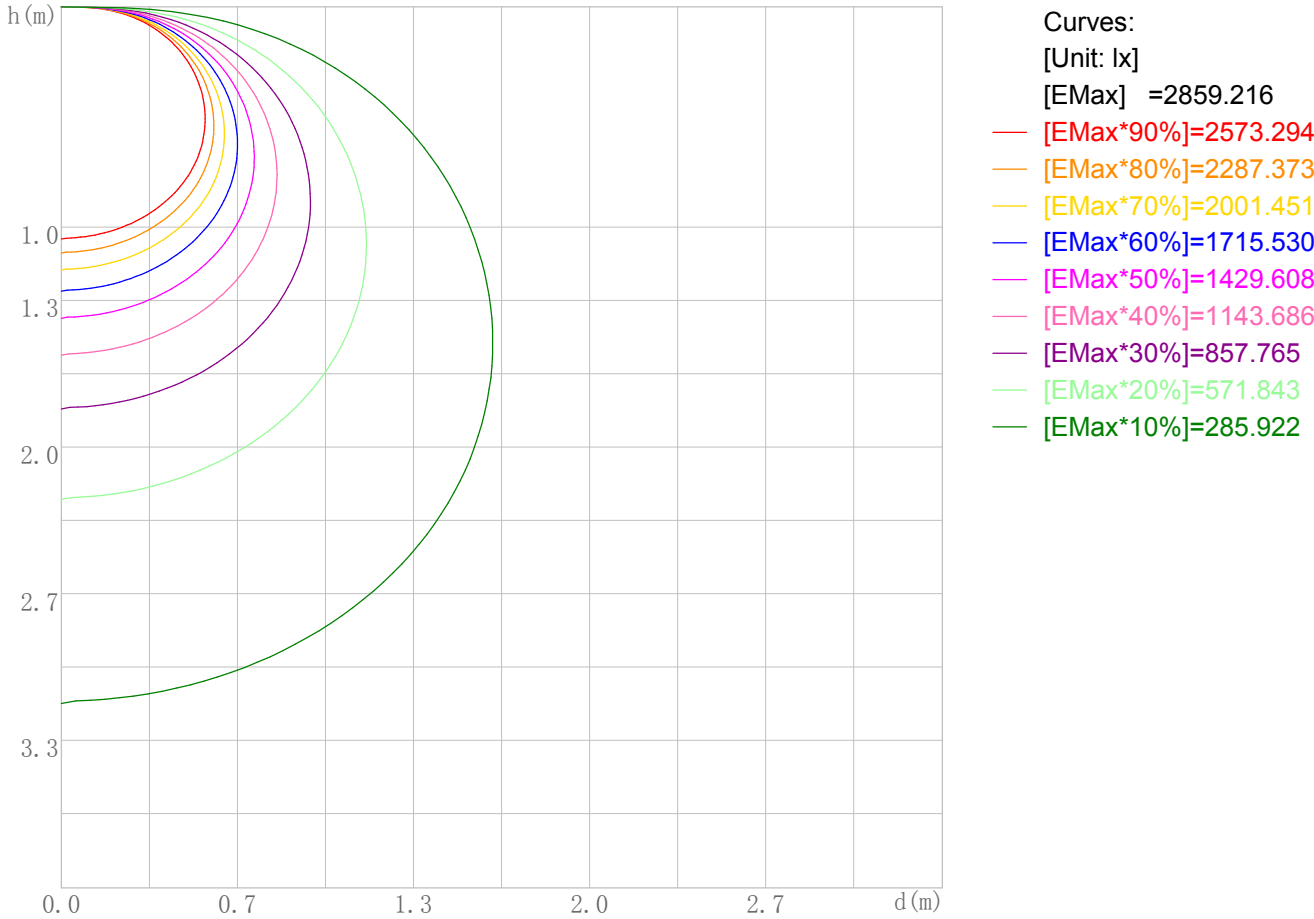
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## Space ISO Illuminance Diagram

Lum. Name: 8FT LED Linear Strip Light 60-80W 3500-6500K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: IES Testing Laboratory
Manufacture: ecoLed	Test Machine: GON-2000	Test Date: 2023/12/28

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2859.22lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:2859.216cd,0deg

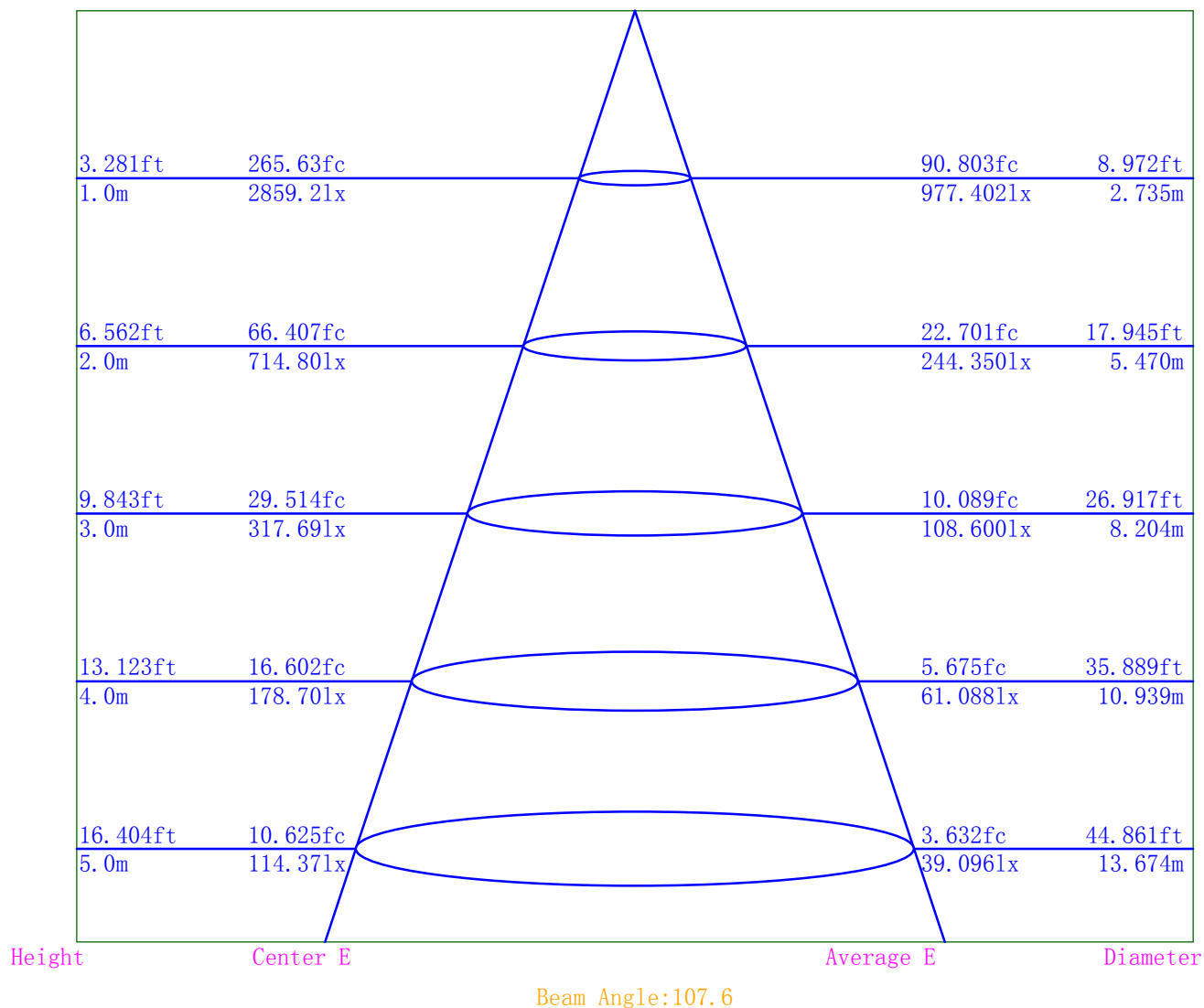
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## Illuminance-Distance Diagram

Lum. Name: 8FT LED Linear Strip Light 60-80W 3500-6500K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: IES Testing Laboratory
Manufacture: ecoLed	Test Machine: GON-2000	Test Date: 2023/12/28

Illuminance-Distance Curve



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## Unified Glare Rating Table

Lum. Name: 8FT LED Linear Strip Light 60-80W 3500-6500K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: IES Testing Laboratory
Manufacture: ecoLed	Test Machine:GON-2000	Test Date: 2023/12/28

## 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	6.1	7.5	6.7	8.1	8.8	6.1	7.5	6.7	8.1	8.8
	Y=3H	6.0	7.3	6.6	7.9	8.6	6.0	7.3	6.6	7.9	8.6
	Y=4H	5.9	7.1	6.5	7.7	8.5	5.9	7.1	6.5	7.7	8.5
	Y=6H	5.8	7.0	6.5	7.6	8.3	5.8	7.0	6.5	7.6	8.3
	Y=8H	5.8	6.9	6.4	7.5	8.3	5.8	6.9	6.4	7.5	8.3
	Y=12H	5.8	6.8	6.4	7.4	8.2	5.8	6.8	6.4	7.4	8.2
X=4H	Y=2H	5.9	7.1	6.5	7.7	8.5	5.9	7.1	6.5	7.7	8.5
	Y=3H	5.8	6.8	6.4	7.5	8.2	5.8	6.8	6.4	7.5	8.2
	Y=4H	5.7	6.6	6.3	7.3	8.1	5.7	6.6	6.3	7.3	8.1
	Y=6H	5.6	6.5	6.3	7.1	7.9	5.6	6.5	6.3	7.1	7.9
	Y=8H	5.6	6.4	6.2	7.0	7.8	5.6	6.4	6.2	7.0	7.8
	Y=12H	5.5	6.3	6.2	7.0	7.8	5.5	6.3	6.2	7.0	7.8
X=8H	Y=4H	5.6	6.4	6.2	7.0	7.8	5.6	6.4	6.2	7.0	7.8
	Y=6H	5.5	6.2	6.2	6.9	7.8	5.5	6.2	6.2	6.9	7.8
	Y=8H	5.4	6.1	6.1	6.8	7.6	5.4	6.1	6.1	6.8	7.6
	Y=12H	5.4	6.0	6.1	6.7	7.5	5.4	6.0	6.1	6.7	7.5
X=12H	Y=4H	5.5	6.3	6.2	7.0	7.8	5.5	6.3	6.2	7.0	7.8
	Y=6H	5.4	6.1	6.2	6.8	7.6	5.4	6.1	6.2	6.8	7.6
	Y=8H	5.4	6.0	6.1	6.7	7.5	5.4	6.0	6.1	6.7	7.5
Variations with the objverer position at spacings											
S=1.0H	0.0/0.0					0.0/0.0					
S=1.5H	0.0/0.0					0.0/0.0					
S=2.0H	0.0/0.0					0.0/0.0					
Reduced UGR Table:											
Nordic Standard Table:	BKO					BKO					
Correction Value	0.0					0.0					

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