

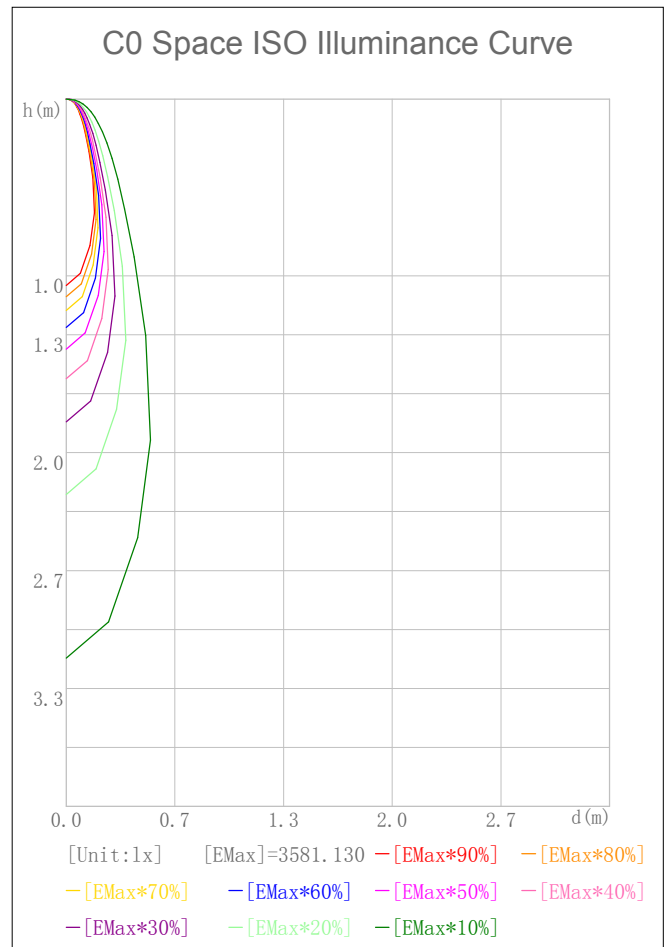
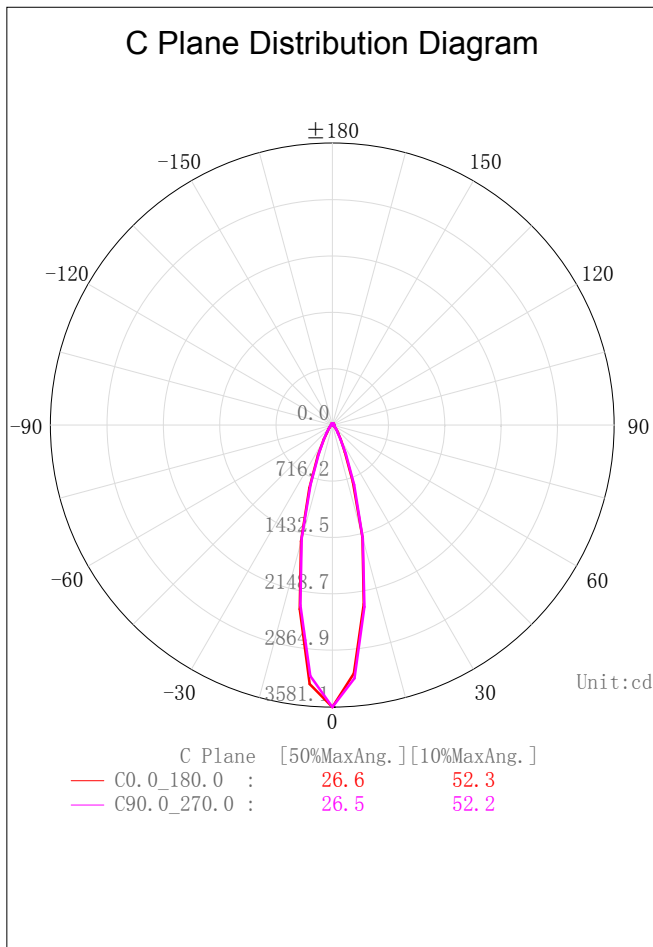
Indoor Luminaire Photometric Data

Description Information

Luminary Name: BUL43		Lum. Catalog:	Test ID:
Lamp Name: XPE		Lamp Catalog: CREE	Test Date: 2019/09/28
Manufacture:		Shld. Ang(°):	Test Machine: GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.050m*0.050m*0.000m		Lum. Area (m ²): 0.002	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=15.0 γ=5.0	Temp. (°C): 25	Humidity (%): 50.0

Character Parameter

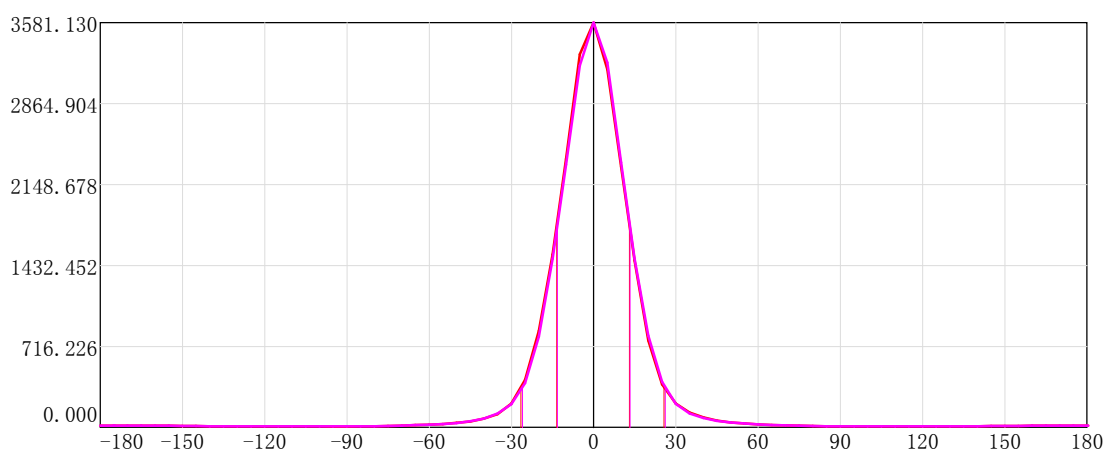
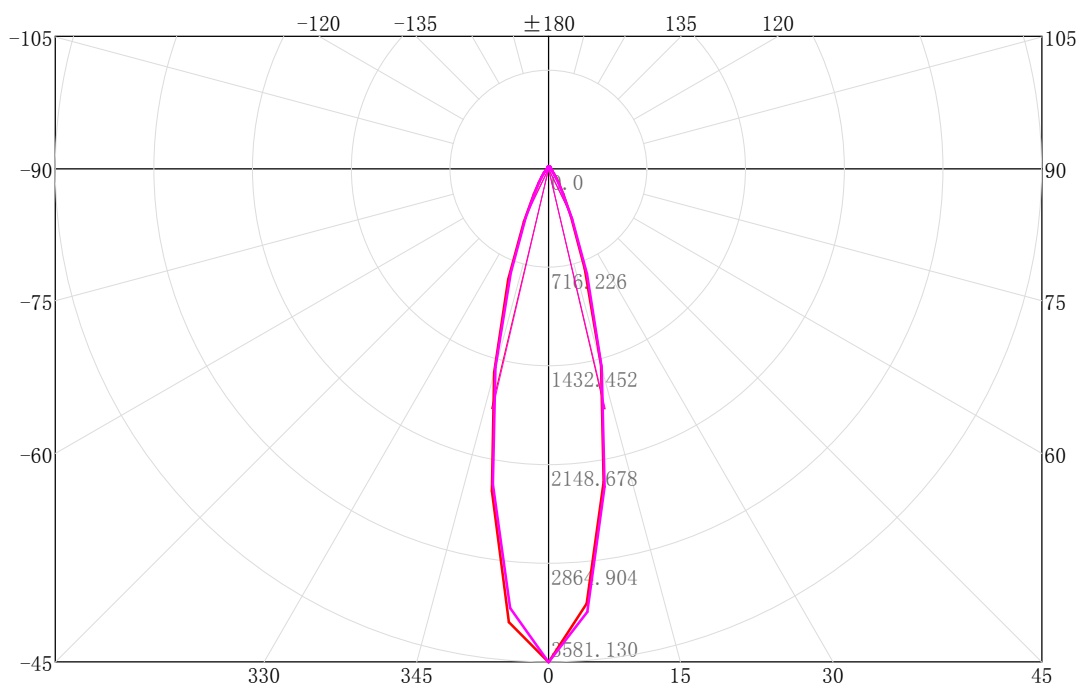
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux (lm): 1.001	Luminary Flux (lm): 1193.529	Field Angle (10%Imax): 52.3(°)	
Rated Power (W):	Luminary Efficiency: 119233.67%	Down Lumens&Percent: 1120.003lm 93.84%	
Rated Voltage (V):	Luminary EER (lm/W): 80.917	Up Lumens&Percent: 73.527lm 6.16%	
Tested Power (W): 14.750	Max. Candela (cd): 3581.130	S/MH: C0_a180=0.444 C90_270=0.443	
Lamps' Inside: 7	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 221.4, 0.070, 0.942		Beam Angle (50%Imax): 26.6(°)	ErP Φ use (90°): 1018.165lm
Lamp Size (W*L*H): 0.050m*0.050m*0.000m	Left=-13.5°, Right=13.1°		IRF (%): 715.238



2D Plane Light Intensity Distribution Curve

Lum. Name: BUL43	Lum. Catalog:	Test ID:
Lamp Name: XPE	Lamp Catalog: CREE	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2019/09/28

C Plane Distribution Diagram

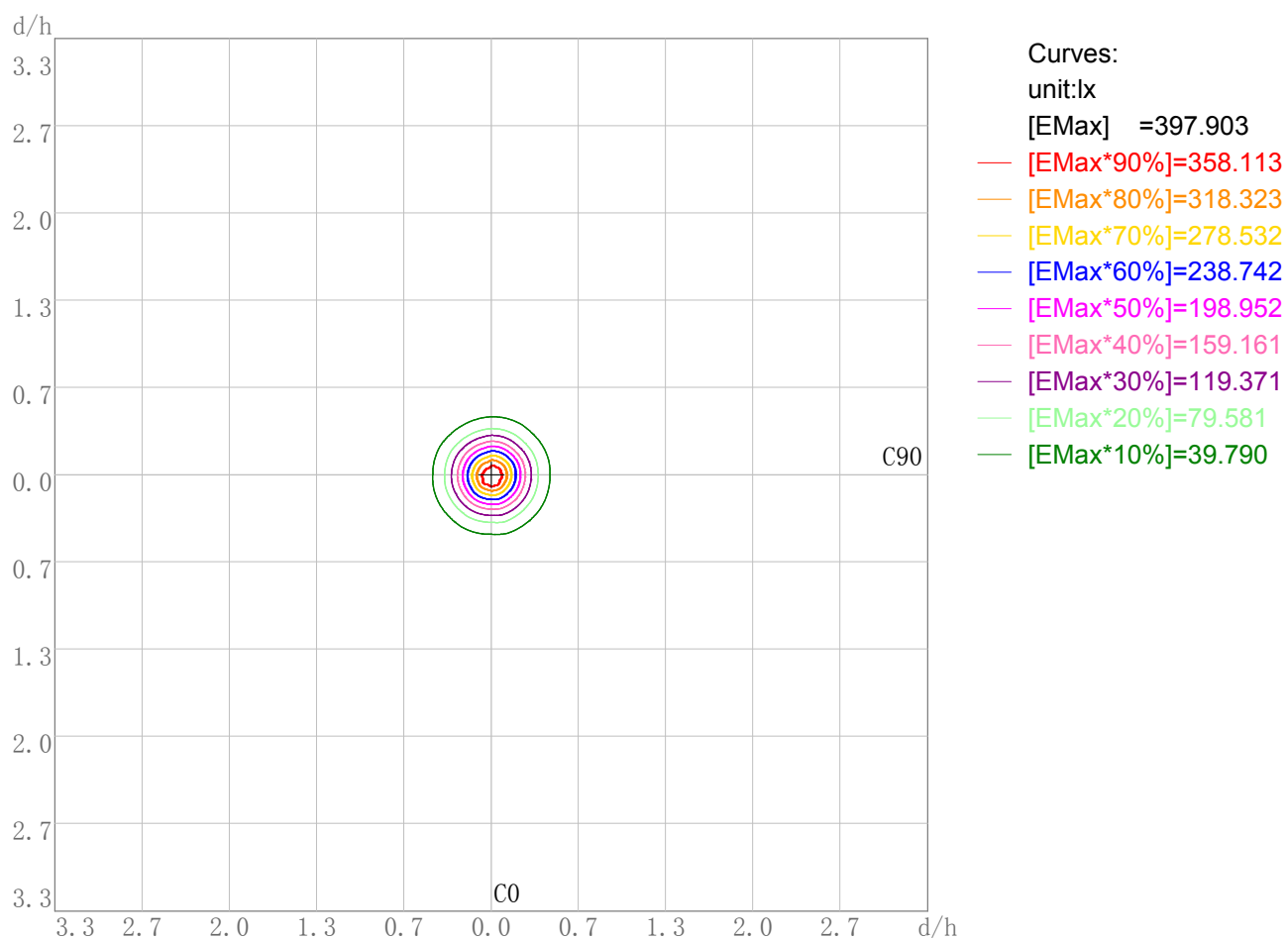


	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C0.0_180.0 :	26.6	52.3	
—	C90.0_270.0 :	26.5	52.2	

Plane ISO-Illuminance Diagram

Lum. Name: BUL43	Lum. Catalog:	Test ID:
Lamp Name: XPE	Lamp Catalog: CREE	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2019/09/28

Plane ISO-Illuminance Curve

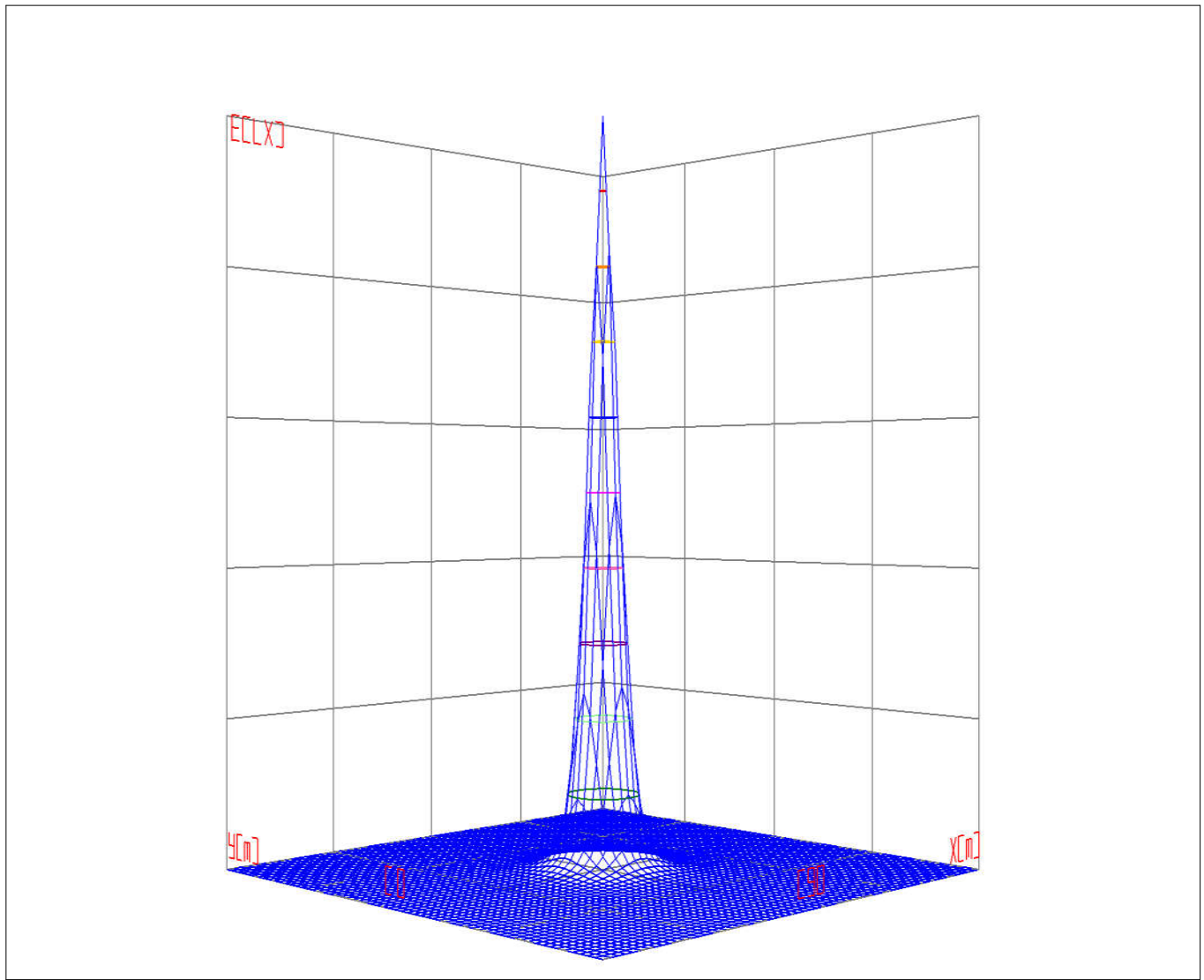


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 397.90
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: BUL43	Lum. Catalog:	Test ID:
Lamp Name: XPE	Lamp Catalog: CREE	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2019/09/28

3D Plane Illuminance Modal

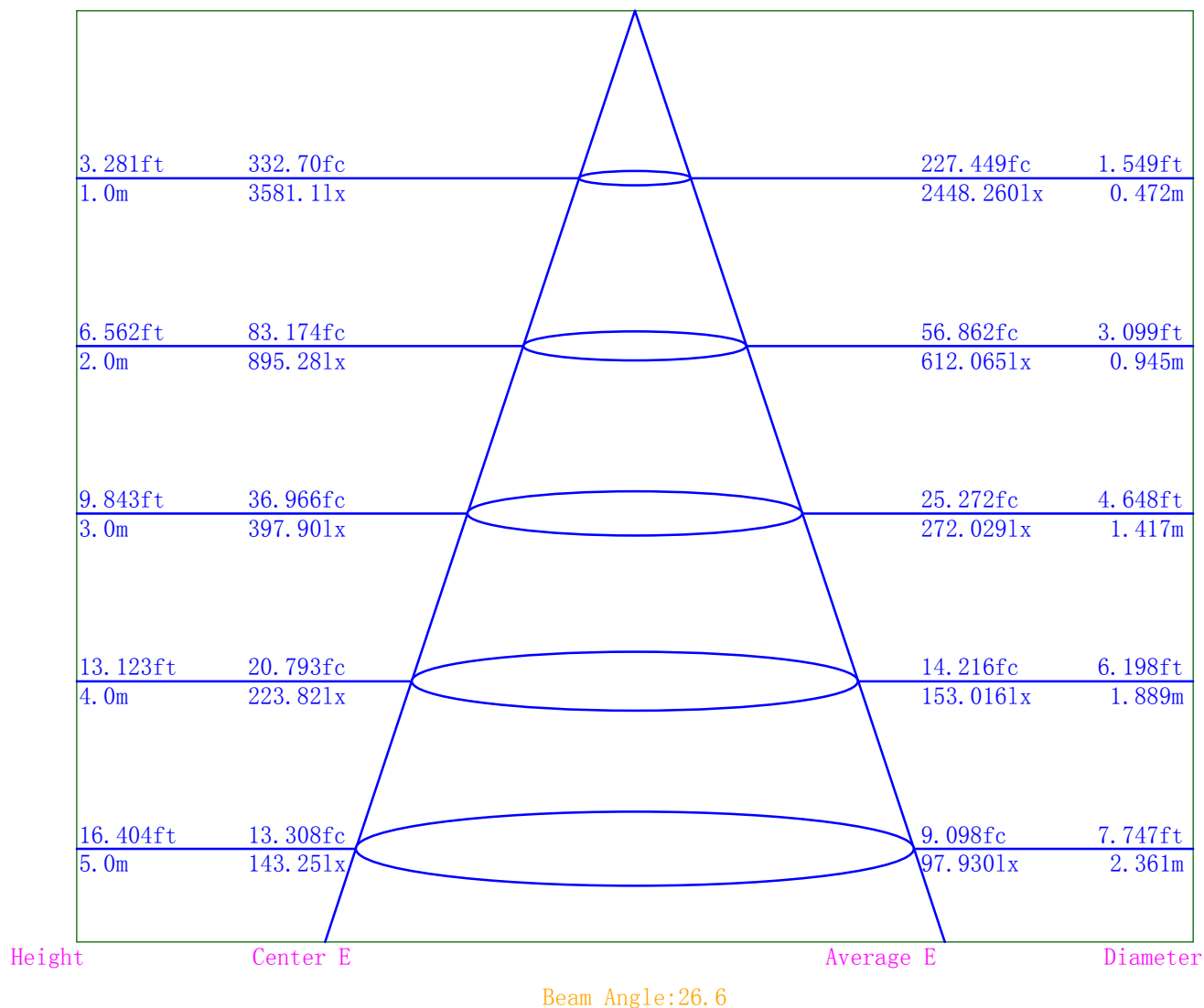


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Illuminance-Distance Diagram

Lum. Name: BUL43	Lum. Catalog:	Test ID:
Lamp Name: XPE	Lamp Catalog: CREE	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2019/09/28

Illuminance-Distance Curve



Unified Glare Rating Table

Lum. Name: BUL43	Lum. Catalog:	Test ID:
Lamp Name: XPE	Lamp Catalog: CREE	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2019/09/28

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	-6.5	-4.4	-6.0	-3.9	-3.5	-6.3	-4.2	-5.8	-3.7	-3.3
	Y=3H	-5.4	-3.3	-4.9	-2.9	-2.4	-5.1	-3.1	-4.7	-2.6	-2.2
	Y=4H	-4.7	-2.7	-4.3	-2.2	-1.8	-4.5	-2.4	-4.0	-2.0	-1.5
	Y=6H	-3.9	-1.9	-3.5	-1.5	-1.0	-3.7	-1.7	-3.2	-1.3	-0.7
	Y=8H	-3.5	-1.5	-3.0	-1.0	-0.5	-3.2	-1.3	-2.8	-0.8	-0.3
	Y=12H	-2.8	-0.9	-2.3	-0.4	0.2	-2.6	-0.7	-2.1	-0.2	0.4
X=4H	Y=2H	-6.2	-4.1	-5.7	-3.7	-3.2	-6.0	-3.9	-5.5	-3.5	-3.0
	Y=3H	-4.8	-2.9	-4.4	-2.4	-1.9	-4.5	-2.6	-4.1	-2.1	-1.6
	Y=4H	-4.0	-2.1	-3.6	-1.6	-1.1	-3.7	-1.8	-3.2	-1.3	-0.8
	Y=6H	-3.1	-1.2	-2.6	-0.7	-0.1	-2.8	-0.9	-2.3	-0.4	0.1
	Y=8H	-2.4	-0.6	-2.0	-0.1	0.5	-2.2	-0.3	-1.7	0.2	0.8
	Y=12H	-1.6	0.2	-1.1	0.7	1.3	-1.4	0.4	-0.9	0.9	1.5
X=8H	Y=4H	-3.7	-1.9	-3.3	-1.4	-0.8	-3.4	-1.6	-2.9	-1.0	-0.5
	Y=6H	-2.6	-0.8	-2.1	-0.2	0.8	-2.2	-0.4	-1.7	0.1	1.1
	Y=8H	-1.8	-0.0	-1.3	0.5	1.0	-1.5	0.3	-1.0	0.8	1.4
	Y=12H	-0.8	0.9	-0.3	1.5	2.0	-0.6	1.2	-0.0	1.7	2.3
X=12H	Y=4H	-3.7	-1.8	-3.2	-1.3	-0.7	-3.3	-1.5	-2.8	-1.0	-0.4
	Y=6H	-2.4	-0.6	-1.9	-0.1	0.5	-2.1	-0.3	-1.6	0.2	0.8
	Y=8H	-1.6	0.2	-1.1	0.7	1.3	-1.3	0.5	-0.8	1.0	1.6
Variations with the objerver position at spacings											
S=1.0H	0.1/-0.1					0.1/-0.1					
S=1.5H	0.2/-0.2					0.2/-0.2					
S=2.0H	0.2/-0.2					0.2/-0.2					
Reduced UGR Table:											
Nordic Standard Table:	BKO					BKO					
Correction Value	3.8					3.8					

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