

## SPECIFICATIONS

Input Power	15W	7.5W
Input Current	0.117A	0.063A
Power Factor	0.95	0.9
Input Voltage	120V	
Beam Angle	15° / 38° / 60°	
Lifespan	50,000hrs	
Dimmer Type	Triac / ELV dimming	
Dimming Range	5-100%	
Operating Temperature	-20°C to 40°C	
Storage Temperature	-40°C to 70°C @ humidity <78%	
IP Rating	IP20	
Ra	90+	



CONFORMS TO UL STD. 1574  
CERTIFIED TO CSA STD. C22.2 NO.9.0



TRAXX-15W-HALO  
TRAXX-15W-JUNO  
TRAXX-15W-LIGHTOLIER  
TRAXX-8W-HALO  
TRAXX-8W-JUNO  
TRAXX-8W-LIGHTOLIER

Intertek  
5000045

## LED

Original CREE CXA1512, or Luminus CXM-9 LED, within 4-step MacAdam ellipses, LM80 qualified.

## LUMEN OUTPUT

CCT	2700K	3000K	3500K	4000K
Lumen output (15W)	1100lm	1165lm	1180lm	1200lm
Lumen output (8W)	425lm	450lm	455lm	465lm

## OTHER

IP20: suitable for dry location use only

Glow-wire test: 650°C

Audible noise level: N/A

## INSTALLATION

Put the track adaptor into the track groove, then squeeze out the cover cap by holding the lamp

**1**

Rotate the adaptor by 90 degrees anti-clockwise, then the adaptor will be fixed in the groove

**2**

To uninstall: Pull out the cover cap by holding the lamp

**3**

To uninstall: Rotate the adaptor by 90 degrees clockwise, then pull out the lamp

**4**

## ELECTRICAL

### POWER SUPPLY Driver Input

Type	Input Voltage	Input Current	Dimming Range	Power Factor	THDi	Inrush Current	Starting Time
15W	120V	0.117A	20-80%	0.98	6.2%	1.30A	2-3Sec.
8W	120V	0.063A	5-100%	0.9	18%	2.50A	<500Ms.

### OTHER Hi-pot Test

Type	No.	Hi-pot Voltage	Spec. of leakage	Time	Leakage of Test	Result
15W	Primary-FG	3750Vac	<10mA	60Sec.	2mA	Pass
8W	Primary-FG	1500Vac	<10mA	60Sec.	3mA	Pass

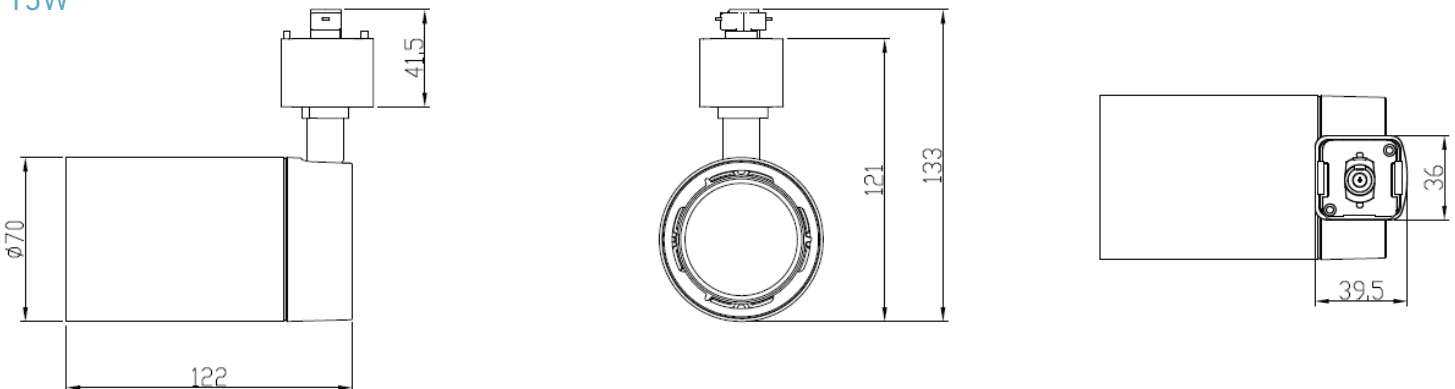
### HEAT TEST REPORTS

Test conditions: tested in an enclosed constant chamber (about L0.5m x W0.5m x H0.6m).

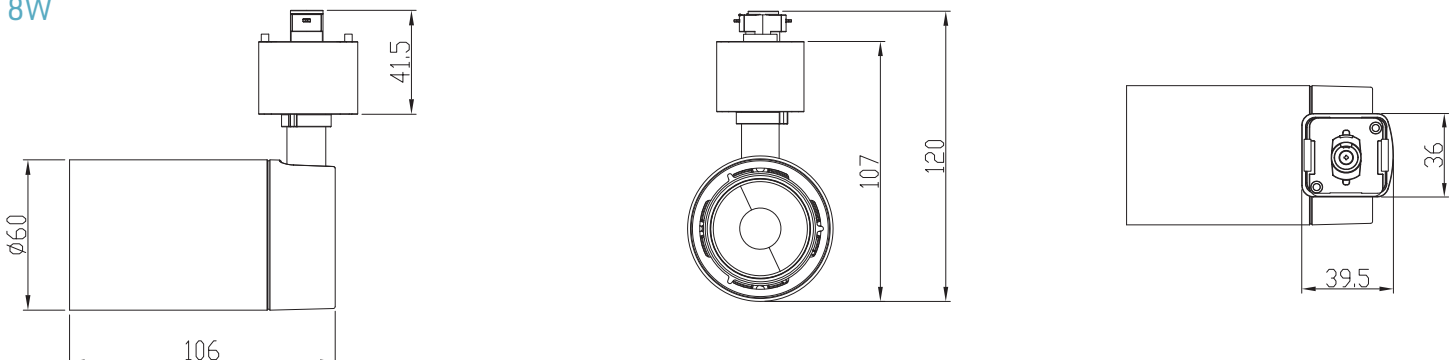
Type	Ta	T <sub>CLED</sub>	LED CAL L70 life	T <sub>CDRIVER</sub>	T <sub>CLUMINAIRE</sub>	T <sub>CCAPACITOR</sub>	Driver CAL life
15W	40°C	75°C	40000hrs	72.3°C	71.5°C	86.2°C	>50000hrs
8W	40°C	73°C	>50000hrs	70°C	62°C	80°C	>50000hrs

## PHYSICAL DIMENSIONS

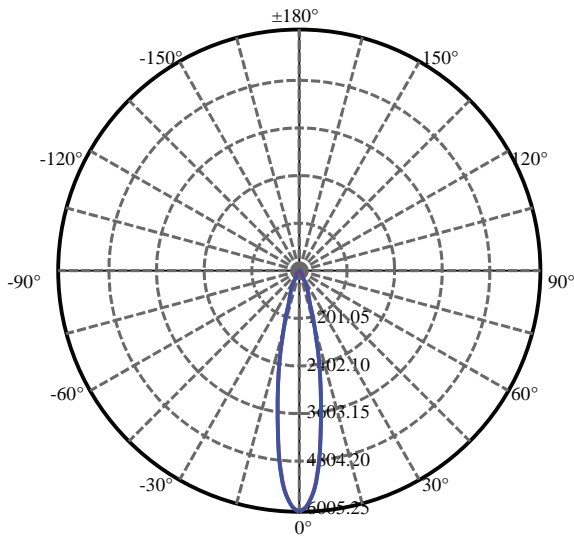
### 15W



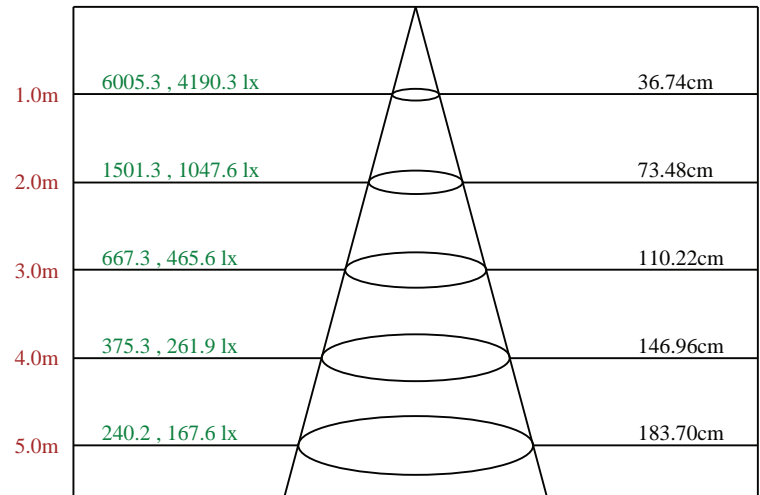
### 8W



### A: LIGHT DISTRIBUTION CURVE



### B: LUX DISTANCE CURVE



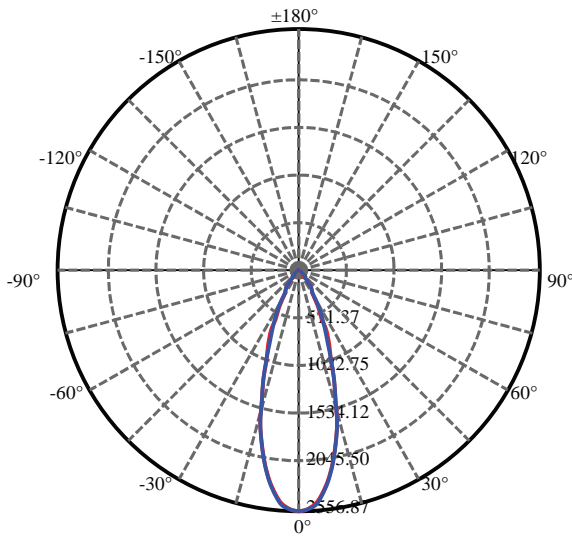
Max , Ave Beam angle of C0 plane 20.82

### C: UGR GLARE

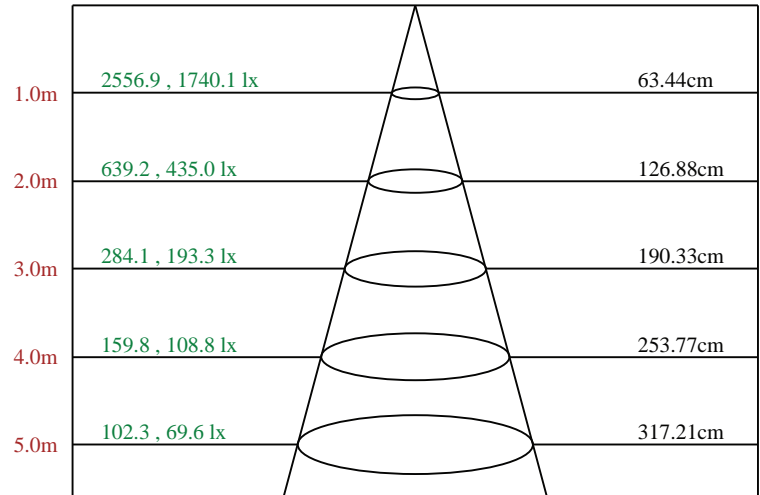
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions:		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	12.39	13.38	12.76	13.69	14.01	12.52	13.51	12.89	13.82	14.14
	3H	13.72	14.60	14.11	14.94	15.28	13.80	14.68	14.19	15.02	15.36
	4H	14.20	15.01	14.60	15.37	15.74	14.31	15.12	14.71	15.48	15.85
	6H	14.46	15.20	14.88	15.58	15.98	14.58	15.32	15.00	15.70	16.10
4H	8H	14.46	15.17	14.89	15.56	15.97	14.58	15.29	15.00	15.67	16.08
	12H	14.44	15.11	14.86	15.50	15.92	14.55	15.22	14.98	15.62	16.04
	2H	12.85	13.66	13.25	14.01	14.38	12.96	13.77	13.36	14.13	14.49
	3H	14.38	15.06	14.81	15.46	15.88	14.40	15.08	14.82	15.47	15.89
8H	4H	15.04	15.63	15.48	16.05	16.50	15.03	15.62	15.47	16.05	16.50
	6H	15.38	15.90	15.85	16.35	16.80	15.35	15.87	15.82	16.32	16.77
	8H	15.43	15.91	15.92	16.37	16.85	15.39	15.87	15.88	16.33	16.80
	12H	15.43	15.87	15.92	16.32	16.84	15.40	15.84	15.89	16.30	16.82
12H	4H	15.17	15.65	15.66	16.11	16.59	15.17	15.65	15.66	16.11	16.58
	6H	15.59	15.98	16.10	16.46	16.97	15.54	15.94	16.05	16.41	16.93
	8H	15.73	16.06	16.26	16.58	17.08	15.67	16.00	16.21	16.52	17.02
	12H	15.75	16.00	16.29	16.52	17.04	15.71	15.97	16.26	16.48	17.01
Standard tables:	4H	15.15	15.59	15.64	16.04	16.56	15.15	15.60	15.64	16.05	16.57
	6H	15.62	15.95	16.16	16.47	16.97	15.58	15.91	16.11	16.43	16.93
	8H	15.74	15.99	16.28	16.51	17.03	15.68	15.94	16.23	16.45	16.98
	12H	15.74	15.99	16.28	16.51	17.03	15.68	15.94	16.23	16.45	16.98
Variation with the observer position at spacings:											
S = 1.0H	0.5/-0.7					0.5/-0.7					
S = 1.5H	0.9/-1.0					1.0/-0.9					
S = 2.0H	2.4/-1.2					2.2/-1.2					
Standard tables:	BK3					BK3					
Uncorrected UGR	1.7					1.6					

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

### A: LIGHT DISTRIBUTION CURVE



### B: LUX DISTANCE CURVE



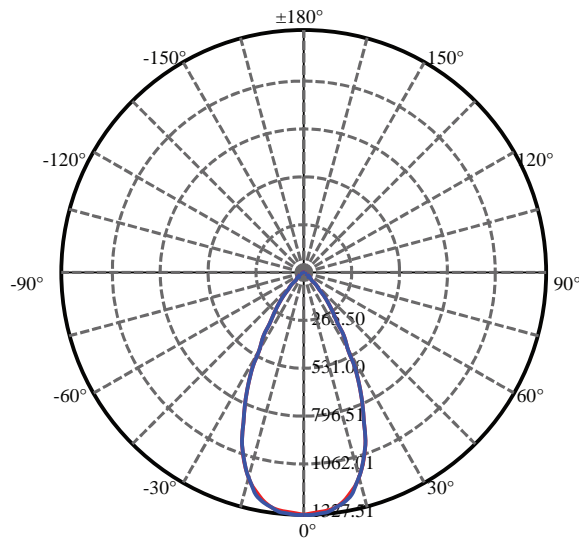
Max , Ave Beam angle of C0 plane 35.20

### C: UGR GLARE

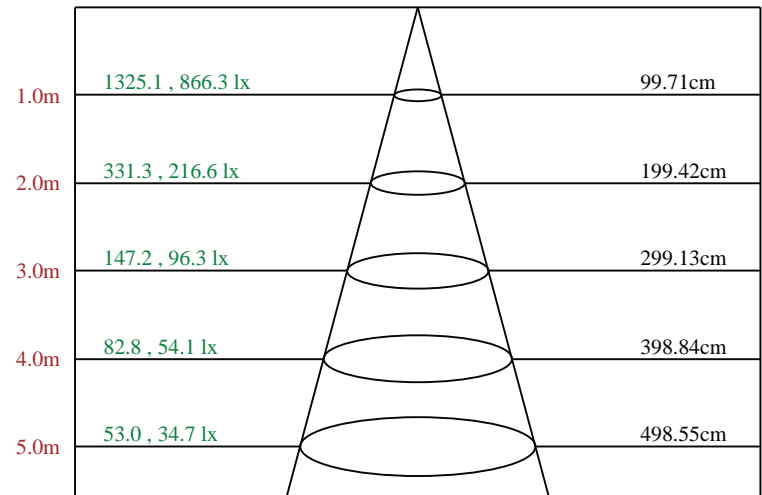
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions:		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	15.61	16.61	15.97	16.92	17.24	15.56	16.57	15.93	16.88	17.19
	3H	15.71	16.60	16.10	16.94	17.29	15.68	16.57	16.06	16.90	17.25
	4H	15.75	16.57	16.15	16.93	17.30	15.72	16.55	16.13	16.90	17.27
	6H	15.77	16.52	16.18	16.90	17.29	15.76	16.52	16.18	16.89	17.29
	8H	15.72	16.44	16.14	16.83	17.23	15.72	16.44	16.14	16.82	17.23
4H	12H	15.67	16.35	16.09	16.74	17.16	15.66	16.34	16.09	16.74	17.15
	2H	15.53	16.35	15.93	16.71	17.08	15.49	16.31	15.89	16.67	17.03
	3H	15.70	16.38	16.12	16.78	17.20	15.67	16.36	16.10	16.75	17.17
	4H	15.82	16.41	16.25	16.83	17.28	15.81	16.40	16.25	16.82	17.27
	6H	15.83	16.35	16.30	16.81	17.26	15.85	16.37	16.32	16.83	17.28
8H	8H	15.82	16.31	16.31	16.77	17.24	15.85	16.34	16.34	16.80	17.27
	12H	15.80	16.25	16.29	16.70	17.22	15.83	16.27	16.32	16.73	17.25
	4H	15.74	16.22	16.22	16.68	17.15	15.72	16.21	16.21	16.67	17.14
	6H	15.79	16.18	16.29	16.66	17.17	15.80	16.20	16.31	16.68	17.19
	8H	15.84	16.17	16.38	16.70	17.19	15.87	16.21	16.41	16.73	17.22
12H	12H	15.84	16.09	16.38	16.61	17.13	15.87	16.12	16.41	16.64	17.16
	4H	15.70	16.15	16.19	16.60	17.12	15.69	16.13	16.18	16.58	17.10
	6H	15.80	16.13	16.33	16.66	17.15	15.82	16.15	16.35	16.67	17.17
8H	15.83	16.09	16.37	16.60	17.13	15.86	16.12	16.40	16.64	17.16	
Variation with the observer position at spacings:											
S = 1.0H		2.9/-2.4					2.9/-2.3				
S = 1.5H		4.9/-3.6					4.9/-3.8				
S = 2.0H		6.9/-4.2					7.0/-4.4				
Standard tables:		BK1					BK1				
Uncorrected UGR		2.4					2.4				

UGR calculation is based on CIE Publ. 117 , S/H = 0.25

## A: LIGHT DISTRIBUTION CURVE



## B: LUX DISTANCE CURVE



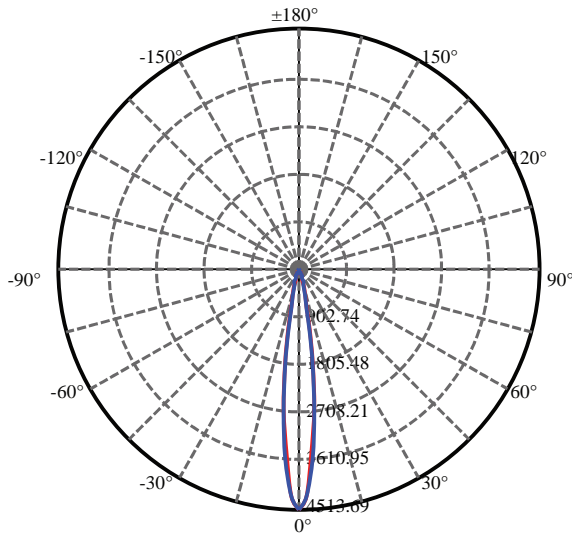
Max , Ave Beam angle of C85 plane 53.00

## C: UGR GLARE

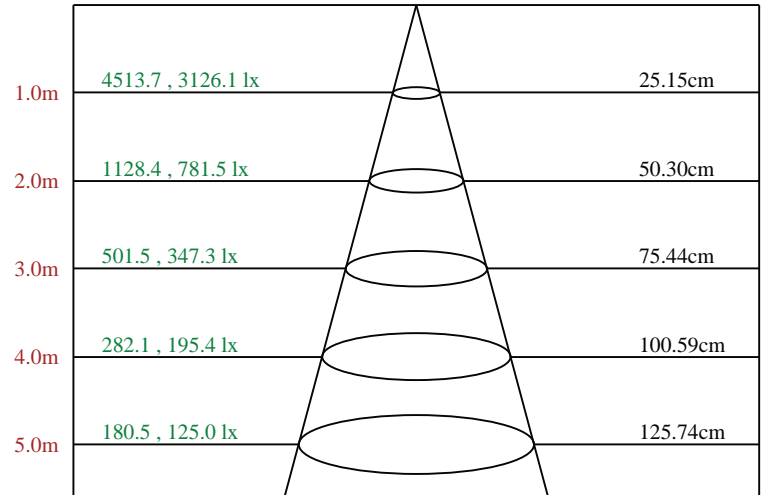
Illumination assessment according UGR											
RF of Ceiling	70	70	50	50	30	70	70	50	50	30	
RF of Wall	50	30	50	30	30	50	30	50	30	30	
RF of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions:		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	17.62	18.64	17.98	18.95	19.26	17.67	18.69	18.03	19.00	19.32
	3H	17.52	18.43	17.91	18.77	19.11	17.59	18.50	17.98	18.84	19.18
	4H	17.46	18.30	17.86	18.65	19.02	17.54	18.38	17.94	18.73	19.10
	6H	17.41	18.17	17.83	18.55	18.95	17.49	18.25	17.91	18.63	19.03
	8H	17.34	18.07	17.77	18.46	18.87	17.43	18.16	17.85	18.55	18.95
4H	12H	17.28	17.97	17.71	18.37	18.79	17.37	18.06	17.80	18.46	18.88
	2H	17.40	18.24	17.80	18.59	18.96	17.45	18.29	17.85	18.64	19.01
	3H	17.30	18.00	17.73	18.39	18.81	17.37	18.07	17.80	18.47	18.88
	4H	17.29	17.89	17.73	18.32	18.76	17.37	17.97	17.81	18.39	18.84
	6H	17.21	17.73	17.68	18.19	18.64	17.29	17.82	17.76	18.27	18.72
8H	8H	17.17	17.66	17.65	18.12	18.59	17.25	17.74	17.74	18.20	18.67
	12H	17.13	17.58	17.62	18.04	18.56	17.22	17.67	17.71	18.13	18.65
	4H	17.12	17.61	17.61	18.07	18.55	17.20	17.69	17.69	18.15	18.62
	6H	17.04	17.44	17.54	17.92	18.43	17.12	17.53	17.63	18.00	18.52
	8H	17.06	17.40	17.59	17.92	18.41	17.14	17.48	17.67	18.00	18.50
12H	12H	17.03	17.30	17.57	17.81	18.33	17.12	17.38	17.66	17.90	18.42
	4H	17.08	17.53	17.57	17.98	18.50	17.15	17.61	17.64	18.06	18.58
	6H	17.03	17.37	17.56	17.89	18.39	17.11	17.45	17.65	17.98	18.47
8H	17.01	17.28	17.55	17.79	18.32	17.10	17.36	17.64	17.88	18.40	
Variation with the observer position at spacings:											
S = 1.0H	3.7/-5.4					3.7/-5.6					
S = 1.5H	6.2/-6.7					6.3/-7.0					
S = 2.0H	8.3/-7.2					8.3/-7.5					
Standard tables:	BK0					BK0					
Uncorrected UGR	3.7					3.6					

UGR calculation is based on CIE Publ. 117 , S/H = 0.25

### A: LIGHT DISTRIBUTION CURVE



### B: LUX DISTANCE CURVE



Max , Ave Beam angle of C0 plane 14.33

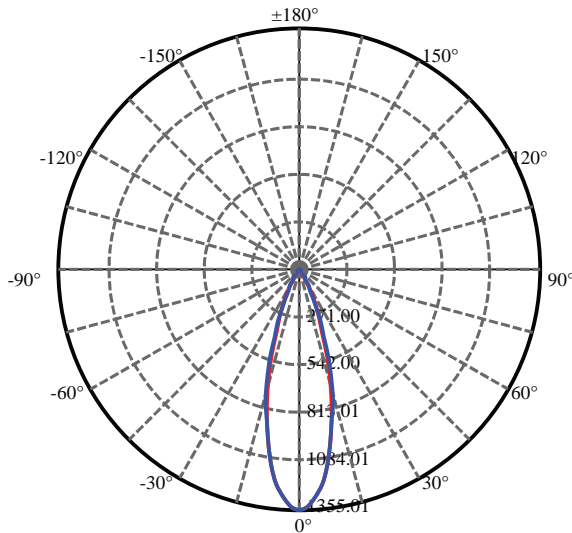
### C: UGR GLARE

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	10.37	11.33	10.73	11.65	11.96	9.98	10.95	10.34	11.26	11.58
	3H	10.86	11.72	11.24	12.05	12.40	10.03	10.89	10.41	11.22	11.57
	4H	10.90	11.70	11.30	12.05	12.42	9.95	10.75	10.35	11.10	11.47
	6H	10.88	11.61	11.30	11.99	12.39	9.87	10.59	10.29	10.97	11.37
	8H	10.82	11.51	11.24	11.90	12.31	9.80	10.49	10.22	10.88	11.28
4H	12H	10.75	11.41	11.18	11.80	12.22	9.73	10.38	10.16	10.78	11.20
	2H	10.51	11.30	10.91	11.66	12.03	10.17	10.96	10.57	11.32	11.69
	3H	11.08	11.74	11.51	12.14	12.56	10.30	10.96	10.73	11.36	11.78
	4H	11.19	11.77	11.63	12.19	12.64	10.27	10.85	10.71	11.27	11.72
	6H	11.16	11.66	11.63	12.11	12.57	10.15	10.66	10.63	11.11	11.56
8H	8H	11.12	11.58	11.60	12.04	12.52	10.10	10.56	10.59	11.02	11.50
	12H	11.07	11.50	11.56	11.95	12.48	10.05	10.48	10.54	10.93	11.45
	4H	11.08	11.55	11.57	12.01	12.48	10.20	10.67	10.69	11.13	11.60
	6H	11.06	11.44	11.57	11.92	12.43	10.09	10.46	10.59	10.94	11.46
	8H	11.07	11.39	11.61	11.91	12.41	10.08	10.40	10.61	10.92	11.42
12H	12H	11.03	11.27	11.57	11.79	12.31	10.04	10.28	10.58	10.80	11.32
	4H	11.03	11.46	11.52	11.91	12.43	10.16	10.59	10.65	11.04	11.56
	6H	11.05	11.37	11.58	11.89	12.39	10.08	10.40	10.62	10.92	11.42
8H	11.03	11.27	11.57	11.79	12.31	10.04	10.28	10.59	10.80	11.33	
Variation with the observer position at spacings:											
S = 1.0H	1.2/-1.6					0.9/-1.1					
S = 1.5H	2.7/-3.5					1.9/-2.2					
S = 2.0H	5.0/-5.2					4.1/-2.9					
Standard tables:	BK1					BK2					
Uncorrected UGR	-3.4					-2.1					

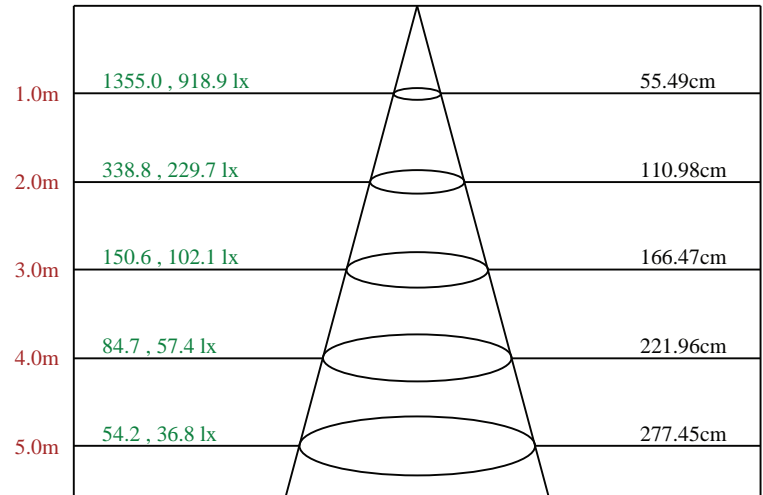
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

## 8W 3000K CRI95 38° PHOTOMETRIC TEST REPORT

### A: LIGHT DISTRIBUTION CURVE



### B: LUX DISTANCE CURVE



Max , Ave Beam angle of C0 plane 31.01

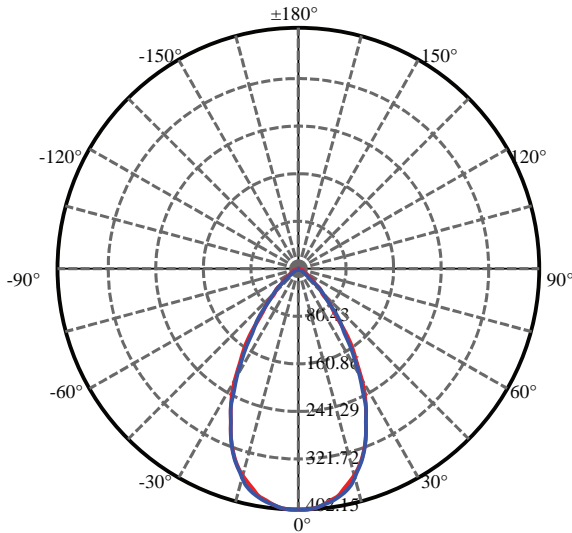
### C: UGR GLARE

Illumination assessment according UGR												
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30		
Rf of Wall	50	30	50	30	30	50	30	50	30	30		
Rf of Floor	20	20	20	20	20	20	20	20	20	20		
Room dimensions		Viewed crosswise					Viewed endwise					
X	Y											
2H	2H	10.90	11.86	11.26	12.17	12.49	10.21	11.17	10.57	11.48	11.80	
	3H	11.29	12.14	11.68	12.48	12.83	10.18	11.03	10.56	11.37	11.71	
	4H	11.36	12.15	11.76	12.50	12.87	10.10	10.89	10.50	11.24	11.61	
	6H	11.34	12.06	11.76	12.43	12.83	10.01	10.73	10.43	11.11	11.51	
	8H	11.27	11.95	11.69	12.34	12.75	9.94	10.62	10.36	11.01	11.42	
	12H	11.20	11.85	11.62	12.24	12.66	9.87	10.52	10.29	10.91	11.33	
4H	2H	10.90	11.69	11.30	12.04	12.41	10.26	11.04	10.66	11.40	11.77	
	3H	11.38	12.04	11.81	12.44	12.86	10.28	10.93	10.70	11.33	11.75	
	4H	11.53	12.10	11.97	12.53	12.97	10.27	10.83	10.71	11.26	11.71	
	6H	11.48	11.98	11.95	12.43	12.89	10.14	10.64	10.61	11.09	11.54	
	8H	11.43	11.90	11.92	12.36	12.83	10.08	10.54	10.56	11.00	11.47	
	12H	11.38	11.81	11.87	12.26	12.78	10.02	10.45	10.52	10.90	11.42	
8H	4H	11.40	11.86	11.89	12.32	12.80	10.17	10.64	10.66	11.09	11.57	
	6H	11.35	11.73	11.86	12.21	12.72	10.04	10.42	10.55	10.90	11.41	
	8H	11.36	11.67	11.89	12.20	12.69	10.03	10.34	10.56	10.86	11.36	
	12H	11.31	11.55	11.85	12.07	12.59	9.98	10.21	10.52	10.73	11.26	
	12H	4H	11.35	11.77	11.84	12.23	12.75	10.13	10.55	10.62	11.01	11.53
		6H	11.34	11.65	11.87	12.18	12.67	10.03	10.35	10.57	10.87	11.37
8H		11.31	11.55	11.85	12.07	12.59	9.98	10.22	10.53	10.74	11.27	
Variation with the observer position at spacings:												
S = 1.0H		3.3/-2.5					2.1/-1.3					
S = 1.5H		5.4/-4.8					3.9/-2.3					
S = 2.0H		7.5/-6.6					6.1/-3.3					
Standard tables:		BK1					BK1					
Uncorrected UGR		-3.3					-2.3					

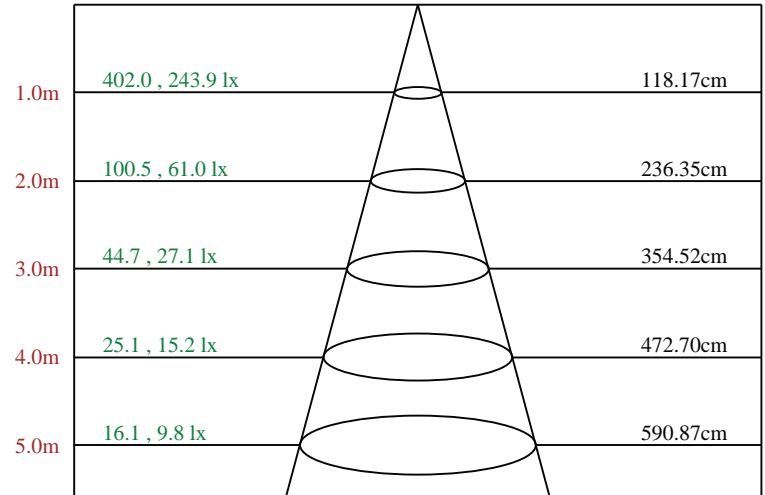
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

## 8W 3000K CRI95 60° PHOTOMETRIC TEST REPORT

### A: LIGHT DISTRIBUTION CURVE



### B: LUX DISTANCE CURVE



Max , Ave Beam angle of C70 plane 61.16

### C: UGR GLARE

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	17.83	18.94	18.19	19.25	19.56	17.48	18.59	17.84	18.90	19.22
	3H	17.85	18.83	18.23	19.17	19.51	17.39	18.37	17.77	18.71	19.05
	4H	17.82	18.73	18.22	19.08	19.45	17.31	18.22	17.71	18.57	18.94
	6H	17.78	18.62	18.20	18.99	19.39	17.23	18.07	17.65	18.44	18.84
	8H	17.72	18.52	18.14	18.91	19.31	17.16	17.96	17.58	18.34	18.75
4H	12H	17.67	18.42	18.09	18.82	19.23	17.10	17.85	17.52	18.25	18.66
	2H	17.70	18.61	18.10	18.96	19.33	17.37	18.28	17.77	18.63	19.00
	3H	17.74	18.50	18.17	18.89	19.31	17.28	18.04	17.71	18.43	18.85
	4H	17.77	18.43	18.21	18.85	19.30	17.25	17.90	17.69	18.33	18.77
	6H	17.71	18.29	18.18	18.74	19.19	17.13	17.71	17.61	18.16	18.61
8H	8H	17.68	18.21	18.16	18.67	19.14	17.08	17.62	17.56	18.07	18.54
	12H	17.65	18.14	18.13	18.59	19.11	17.03	17.53	17.52	17.98	18.50
	4H	17.62	18.16	18.11	18.61	19.08	17.11	17.64	17.59	18.10	18.57
	6H	17.56	18.00	18.07	18.48	18.99	16.99	17.43	17.49	17.91	18.42
	8H	17.59	17.96	18.12	18.48	18.98	16.98	17.36	17.51	17.88	18.37
12H	12H	17.56	17.86	18.10	18.37	18.89	16.94	17.23	17.48	17.75	18.27
	4H	17.58	18.07	18.06	18.52	19.04	17.06	17.56	17.55	18.01	18.53
	6H	17.56	17.93	18.09	18.45	18.95	16.98	17.36	17.51	17.88	18.37
	8H	17.54	17.84	18.08	18.36	18.88	16.94	17.24	17.48	17.76	18.28
Variation with the observer position at spacings:											
S = 1.0H		2.7/-4.6					2.5/-3.4				
S = 1.5H		5.1/-7.2					4.6/-5.0				
S = 2.0H		7.2/-8.6					6.8/-5.9				
Standard tables:		BK0					BK1				
Uncorrected UGR		3.5					4.4				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25