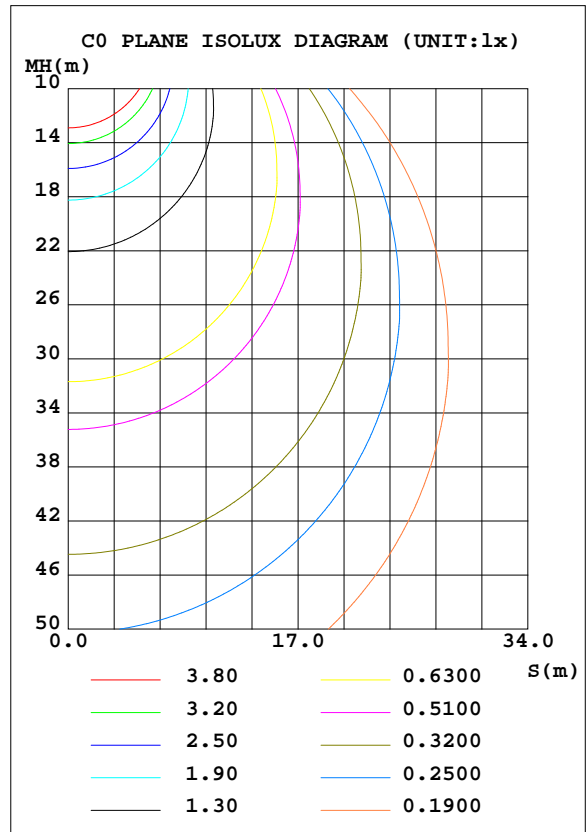
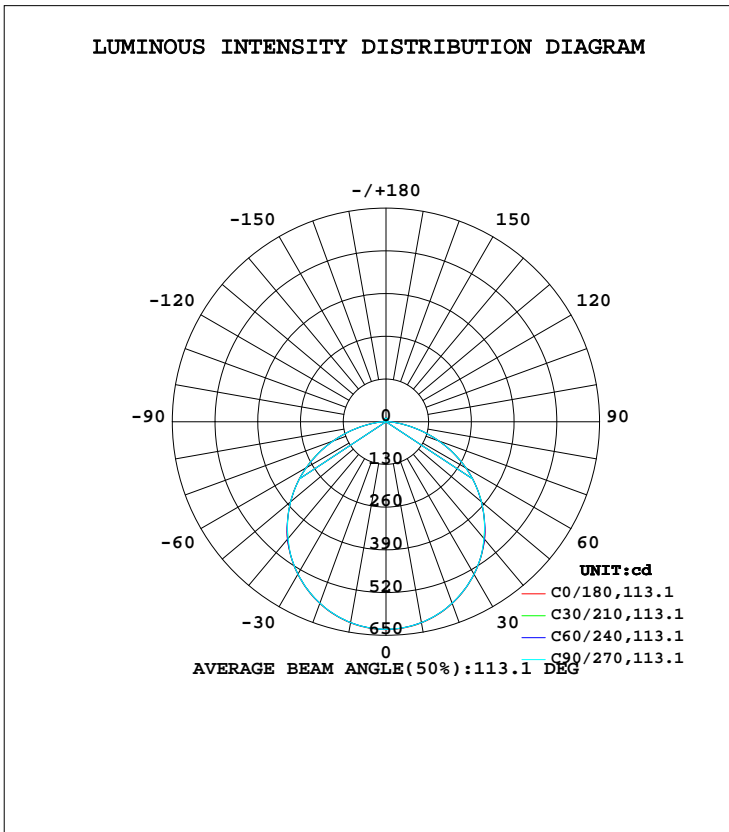


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.75 lm/W			
MODEL		I _{max} (cd)	632.5	S/MH(C0/180)	1.26
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1847.7	η UP, DN(C0-180)	1.1,48.9
NOMINAL FLUX(lm)	1847.68	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1,48.9
LAMPS INSIDE	1	η up(%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	97.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	621.5	620.5	620.5	620.5	621.5	620.5	620.5	620.5	0- 10	59.77	59.77	3.24,3.24
20	588.9	587.9	588.0	587.9	588.9	587.9	588.0	587.9	10- 20	171.3	231.1	12.5,12.5
30	536.5	535.6	535.7	535.6	536.5	535.6	535.7	535.6	20- 30	260.1	491.1	26.6,26.6
40	466.7	465.1	464.1	465.1	466.7	465.1	464.1	465.1	30- 40	314.5	805.6	43.6,43.6
50	379.6	378.9	379.1	378.9	379.6	378.9	379.1	378.9	40- 50	326.7	1132	61.3,61.3
60	281.1	280.5	280.7	280.5	281.1	280.5	280.7	280.5	50- 60	296.0	1428	77.3,77.3
70	171.9	171.5	170.9	171.5	171.9	171.5	170.9	171.5	60- 70	224.1	1652	89.4,89.4
80	65.60	65.62	65.55	65.62	65.60	65.62	65.55	65.62	70- 80	123.6	1776	96.1,96.1
90	5.287	6.321	7.352	6.321	5.287	6.321	7.352	6.321	80- 90	31.92	1808	97.9,97.9
100	3.847	3.794	3.738	3.794	3.847	3.794	3.738	3.794	90-100	4.112	1812	98.1,98.1
110	4.865	4.873	4.781	4.873	4.865	4.873	4.781	4.873	100-110	4.559	1817	98.3,98.3
120	5.913	5.944	5.920	5.944	5.913	5.944	5.920	5.944	110-120	5.349	1822	98.6,98.6
130	6.982	7.035	7.086	7.035	6.982	7.035	7.086	7.035	120-130	5.801	1828	98.9,98.9
140	8.087	8.181	8.247	8.181	8.087	8.181	8.247	8.181	130-140	5.880	1834	99.2,99.2
150	9.124	9.213	9.322	9.213	9.124	9.213	9.322	9.213	140-150	5.455	1839	99.5,99.5
160	10.13	10.15	10.26	10.15	10.13	10.15	10.26	10.15	150-160	4.478	1844	99.8,99.8
170	11.15	11.03	11.02	11.03	11.15	11.03	11.02	11.03	160-170	2.994	1847	99.9,99.9
180	11.55	11.49	11.49	11.49	11.55	11.49	11.49	11.49	170-180	1.075	1848	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 970.21 lm

%lum = 52.5%
 %lamp = 52.5%

Conical surface Flux(120deg): 1428.3 lm

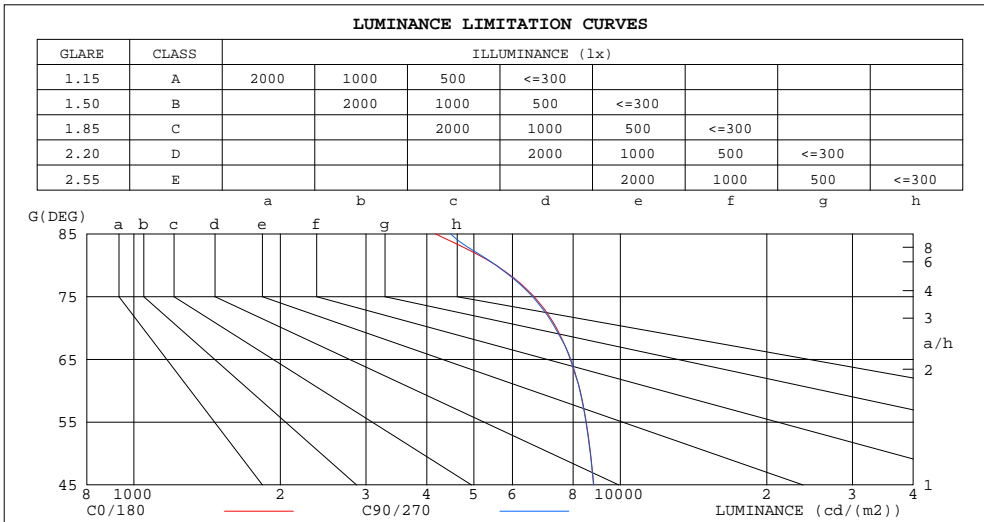
%lum = 77.3%
 %lamp = 77.3%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4166	4475
80	5555	5551
75	6647	6600
70	7391	7348
65	7891	7907
60	8267	8257
55	8508	8498
50	8684	8672
45	8816	8807

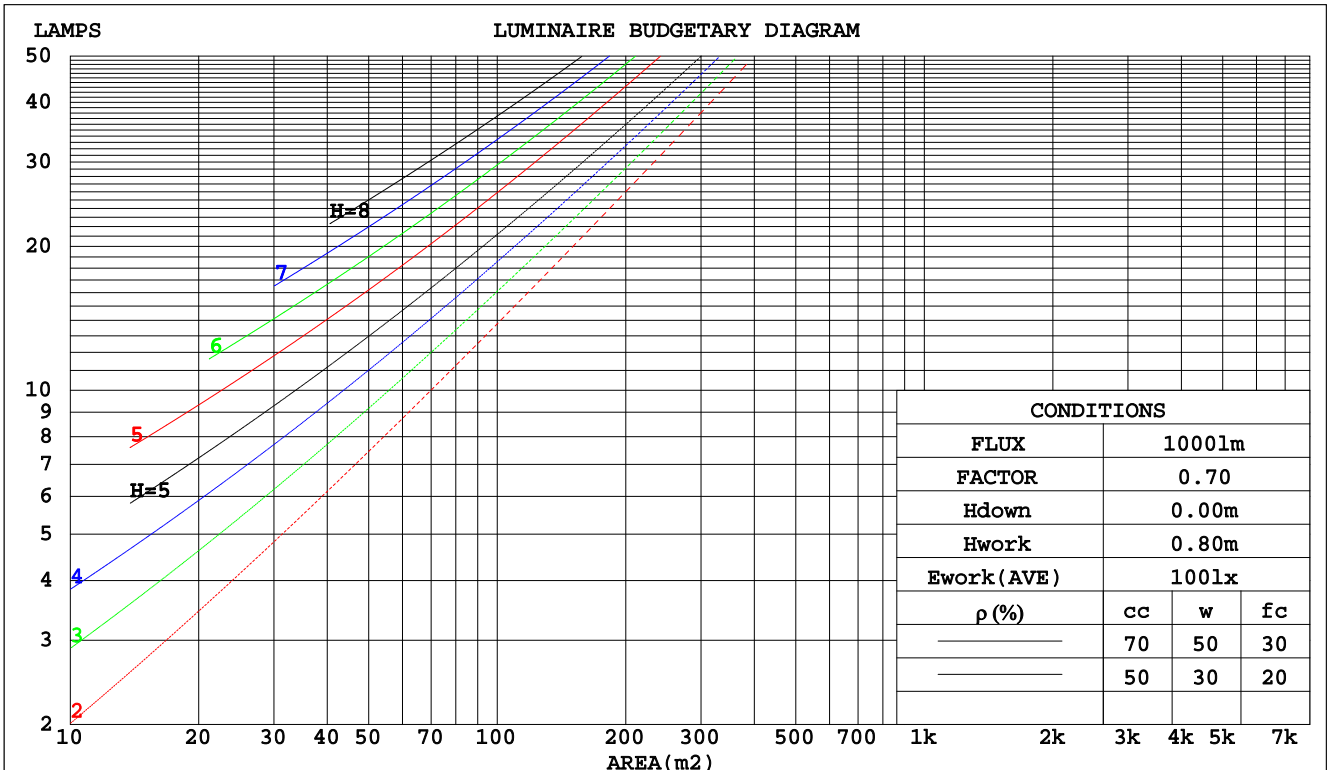
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.04	.99	.95	1.01	.97	.94	.96	.93	.90	.92	.90	.87	.88	.86	.84	.82
2.0	.90	.83	.78	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.51	.45	.39	.49	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.36	.30	.26	.35	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.307	.175	.055	.299	.171	.054	.285	.163	.052	.272	.157	.050	.259	.150	.048	
2.0	.290	.159	.049	.283	.156	.048	.270	.150	.047	.258	.145	.045	.247	.140	.044	
3.0	.268	.143	.043	.262	.141	.042	.251	.136	.041	.240	.132	.040	.231	.128	.040	
4.0	.248	.129	.038	.243	.127	.038	.232	.123	.037	.223	.120	.036	.214	.116	.035	
5.0	.229	.117	.034	.225	.115	.034	.216	.112	.033	.207	.109	.033	.199	.106	.032	
6.0	.213	.107	.031	.209	.105	.030	.200	.103	.030	.193	.100	.029	.186	.098	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.095	.027	.180	.092	.027	.174	.090	.027	
8.0	.185	.090	.025	.182	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.197	.173	.151	.168	.148	.130	.115	.102	.090	.066	.059	.052	.021	.019	.017	
2.0	.189	.149	.115	.162	.128	.099	.111	.088	.069	.064	.051	.041	.020	.017	.013	
3.0	.181	.131	.091	.155	.113	.079	.106	.079	.055	.061	.046	.033	.020	.015	.011	
4.0	.173	.118	.075	.149	.102	.065	.102	.071	.046	.059	.042	.027	.019	.014	.009	
5.0	.166	.107	.064	.143	.093	.056	.098	.065	.039	.057	.038	.023	.018	.012	.008	
6.0	.159	.099	.056	.137	.086	.049	.094	.060	.035	.055	.035	.021	.018	.012	.007	
7.0	.152	.092	.050	.131	.080	.044	.090	.056	.031	.053	.033	.018	.017	.011	.006	
8.0	.146	.086	.046	.125	.075	.040	.087	.053	.028	.050	.031	.017	.016	.010	.006	
9.0	.140	.082	.042	.120	.071	.037	.083	.050	.026	.049	.029	.016	.016	.010	.005	
10.0	.134	.077	.039	.115	.067	.034	.080	.047	.024	.047	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm										
NAME: O18W-MS-E 4000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:295			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	20.2	21.7	20.5	22.0	22.2	20.2	21.7	20.5	21.9	22.2
3H	21.7	23.1	22.0	23.4	23.6	21.7	23.1	22.0	23.3	23.6
4H	22.3	23.6	22.6	23.9	24.2	22.2	23.5	22.6	23.8	24.1
6H	22.6	23.8	23.0	24.2	24.5	22.6	23.8	23.0	24.1	24.5
8H	22.7	23.9	23.1	24.2	24.5	22.7	23.9	23.1	24.2	24.5
12H	22.7	23.9	23.1	24.2	24.6	22.7	23.9	23.1	24.2	24.6
4H 2H	20.8	22.1	21.2	22.4	22.7	20.8	22.1	21.2	22.4	22.7
3H	22.5	23.6	22.9	23.9	24.3	22.5	23.6	22.8	23.9	24.3
4H	23.1	24.2	23.6	24.5	24.9	23.1	24.2	23.5	24.5	24.9
6H	23.6	24.5	24.0	24.9	25.3	23.6	24.5	24.0	24.9	25.3
8H	23.7	24.6	24.2	25.0	25.4	23.7	24.6	24.2	25.0	25.4
12H	23.8	24.6	24.3	25.0	25.5	23.8	24.6	24.3	25.0	25.5
8H 4H	23.4	24.2	23.8	24.6	25.1	23.4	24.2	23.8	24.6	25.1
6H	24.0	24.7	24.4	25.1	25.6	24.0	24.7	24.4	25.1	25.6
8H	24.2	24.8	24.7	25.3	25.8	24.2	24.8	24.7	25.3	25.7
12H	24.3	24.8	24.8	25.3	25.8	24.3	24.8	24.8	25.3	25.8
12H 4H	23.4	24.2	23.8	24.6	25.0	23.4	24.1	23.8	24.6	25.0
6H	24.0	24.6	24.5	25.1	25.6	24.0	24.6	24.5	25.1	25.6
8H	24.2	24.8	24.7	25.3	25.8	24.2	24.8	24.7	25.3	25.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1848 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.1)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

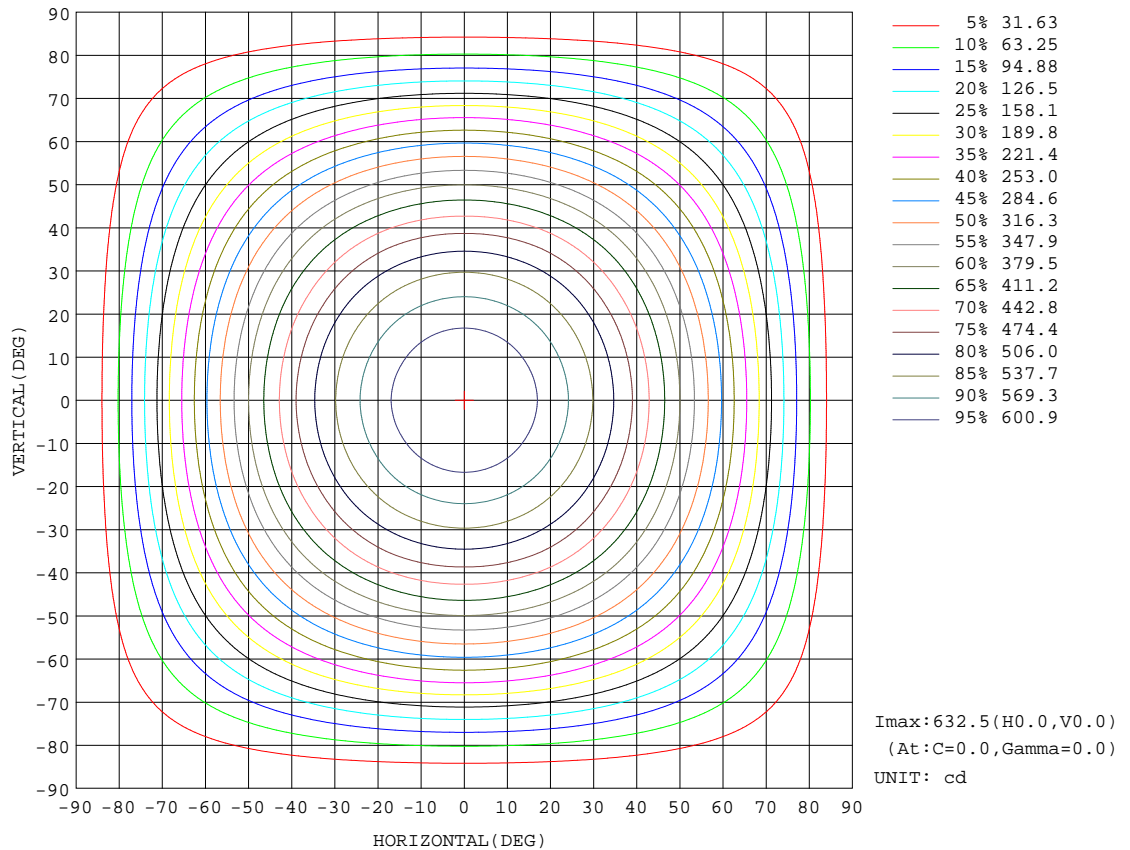
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	57	72	65	56	49
1.25	82	72	65	81	71	64	78	69	63	56
1.50	87	78	70	86	77	70	82	75	69	61
2.00	94	86	79	92	84	78	89	82	77	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:



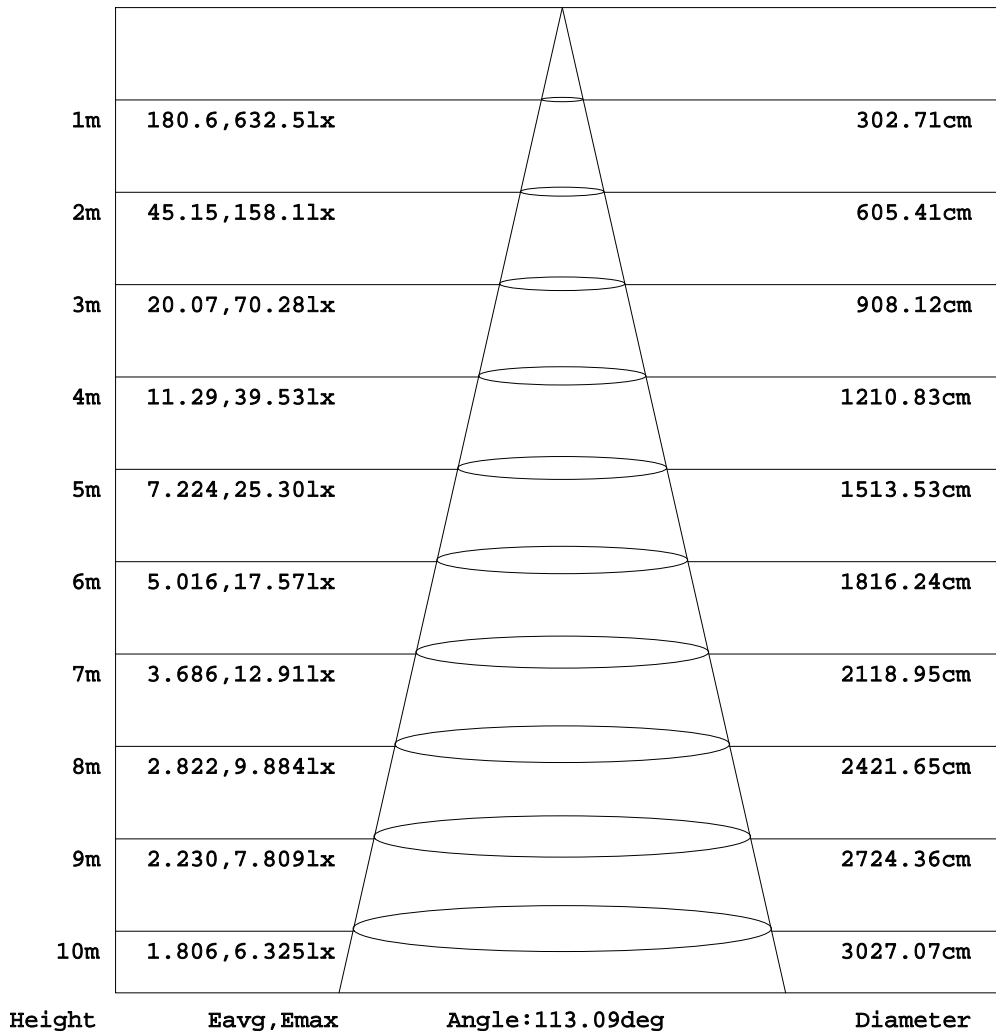
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

Flux out:1345 lm



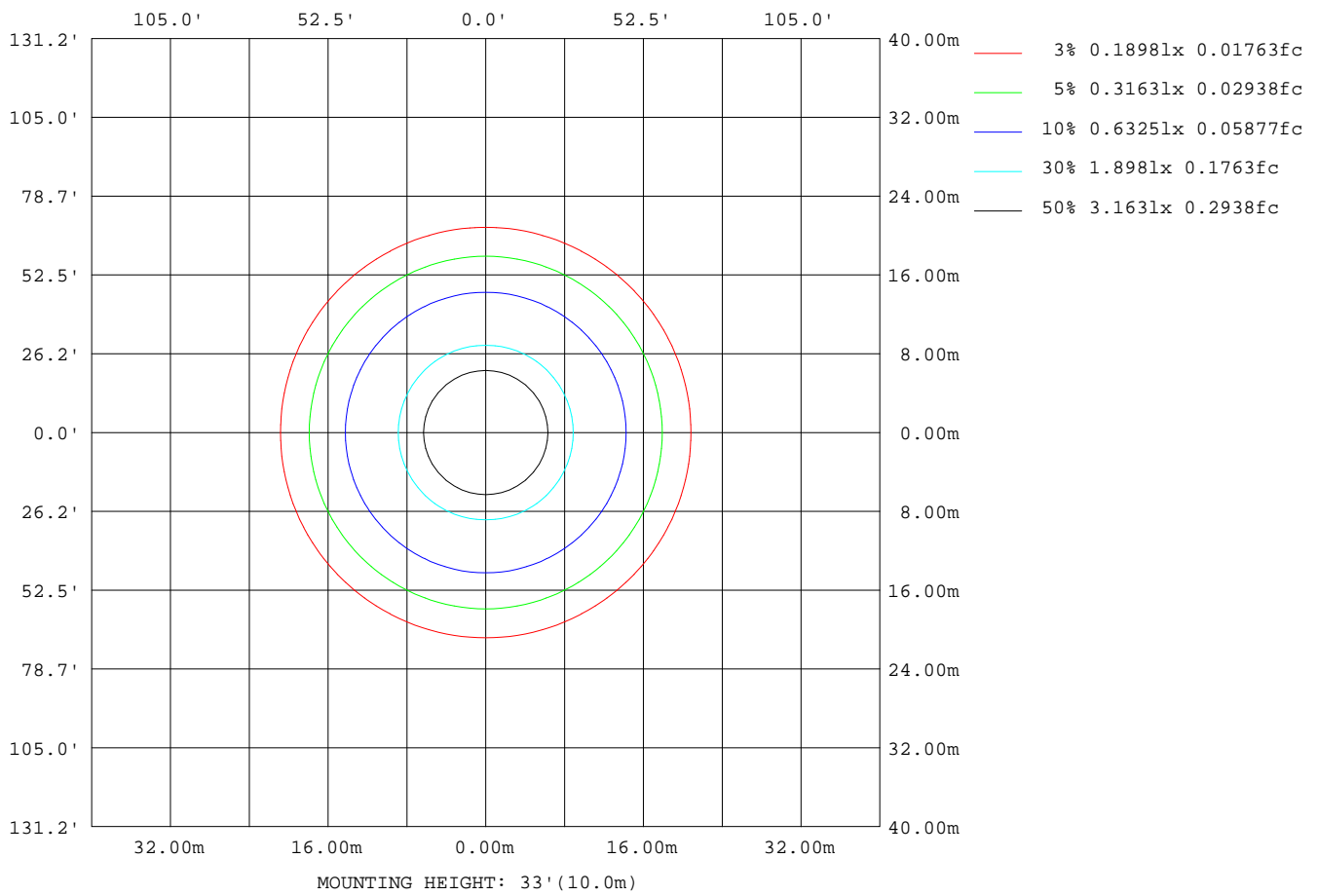
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

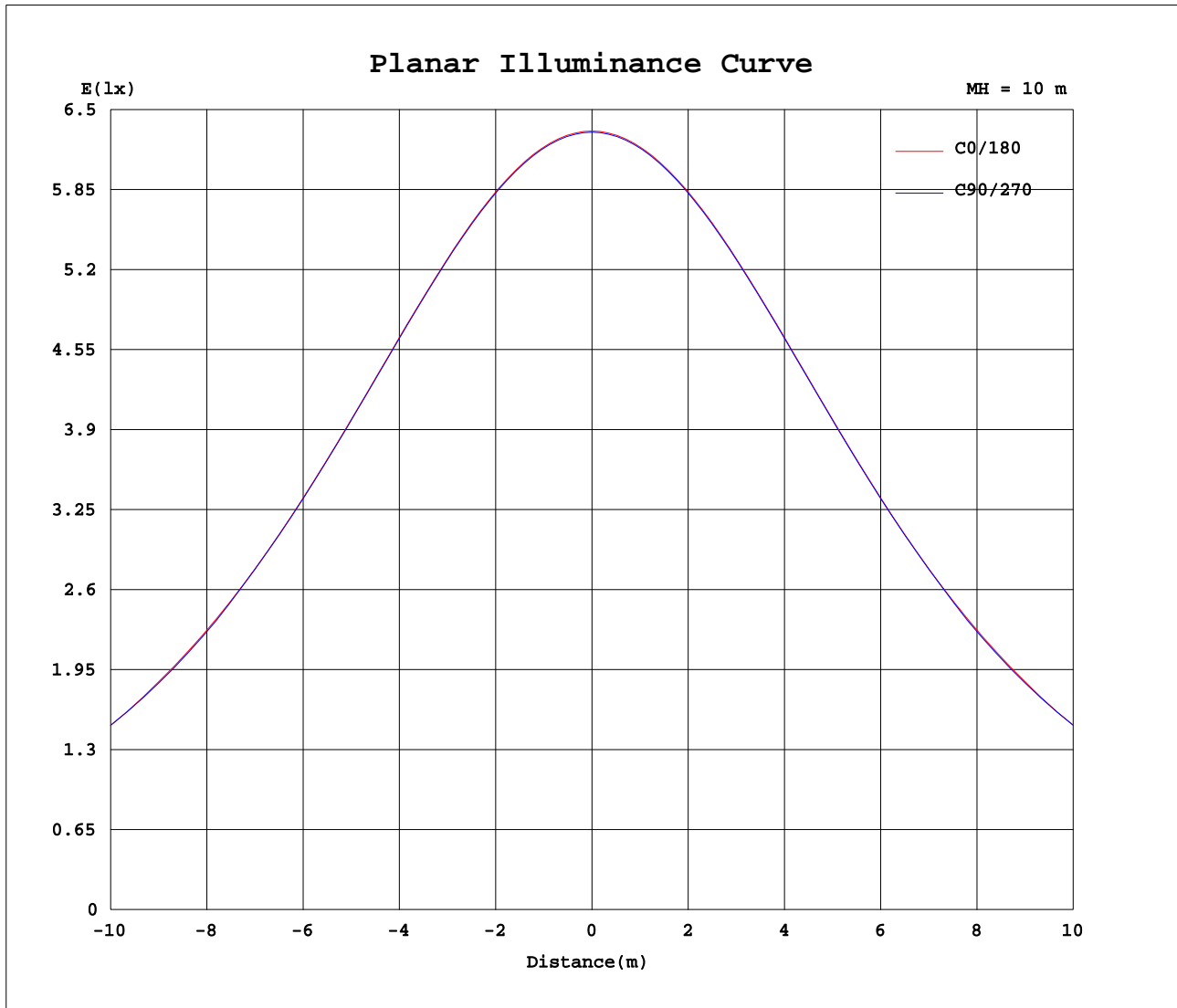
AvgL	cd/m2
L_0~180(65)av	7891
L_0~180(75)av	6647
L_0~180(85)av	4166
L_90~270(65)av	7907
L_90~270(75)av	6600
L_90~270(85)av	4475
L_45(65)av	7886
L_45(75)av	6629
L_45(85)av	4333

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 10.890m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.00V I:0.0930A P:19.500W PF:0.9110 Freq:50.00Hz Lamp Flux:1847.68x1 lm		
NAME: O18W-MS-E 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	633	632	632	632	632	632	633	632	632	632	632	632							
5	630	629	629	629	629	629	630	629	629	629	629	629							
10	621	620	621	621	621	620	621	620	621	621	621	621							
15	608	607	607	607	607	607	608	607	607	607	607	607							
20	589	588	588	588	588	588	589	588	588	588	588	588							
25	565	564	564	564	564	564	565	564	564	564	564	564							
30	537	536	536	536	536	536	537	536	536	536	536	536							
35	504	503	503	503	503	503	504	503	503	503	503	503							
40	467	464	466	464	466	464	467	464	466	464	466	464							
45	424	423	424	423	424	423	424	423	424	423	424	423							
50	380	379	379	379	379	379	380	379	379	379	379	379							
55	332	331	331	331	331	331	332	331	331	331	331	331							
60	281	281	280	281	280	281	281	281	280	281	280	281							
65	227	227	226	227	226	227	227	227	226	227	226	227							
70	172	172	171	171	171	172	172	172	171	171	171	172							
75	117	117	116	116	116	117	117	117	116	116	116	117							
80	65.6	65.6	65.7	65.5	65.7	65.6	65.6	65.6	65.7	65.5	65.7	65.6							
85	24.7	25.1	26.2	26.5	26.2	25.1	24.7	25.1	26.2	26.5	26.2	25.1							
90	5.29	5.58	7.06	7.35	7.06	5.58	5.29	5.58	7.06	7.35	7.06	5.58							
95	3.38	3.35	3.31	3.28	3.31	3.35	3.38	3.35	3.31	3.28	3.31	3.35							
100	3.85	3.82	3.77	3.74	3.77	3.82	3.85	3.82	3.77	3.74	3.77	3.82							
105	4.35	4.34	4.28	4.24	4.28	4.34	4.35	4.34	4.28	4.24	4.28	4.34							
110	4.87	4.89	4.86	4.78	4.86	4.89	4.87	4.89	4.86	4.78	4.86	4.89							
115	5.38	5.42	5.41	5.34	5.41	5.42	5.38	5.42	5.41	5.34	5.41	5.42							
120	5.91	5.94	5.95	5.92	5.95	5.94	5.91	5.94	5.95	5.92	5.95	5.94							
125	6.44	6.48	6.48	6.49	6.48	6.48	6.44	6.48	6.48	6.49	6.48	6.48							
130	6.98	7.02	7.05	7.09	7.05	7.02	6.98	7.02	7.05	7.09	7.05	7.02							
135	7.54	7.58	7.64	7.68	7.64	7.58	7.54	7.58	7.64	7.68	7.64	7.58							
140	8.09	8.14	8.22	8.25	8.22	8.14	8.09	8.14	8.22	8.25	8.22	8.14							
145	8.62	8.67	8.76	8.79	8.76	8.67	8.62	8.67	8.76	8.79	8.76	8.67							
150	9.12	9.16	9.26	9.32	9.26	9.16	9.12	9.16	9.26	9.32	9.26	9.16							
155	9.66	9.63	9.76	9.81	9.76	9.63	9.66	9.63	9.76	9.81	9.76	9.63							
160	10.1	10.1	10.2	10.3	10.2	10.1	10.1	10.1	10.2	10.3	10.2	10.1							
165	10.6	10.5	10.6	10.7	10.6	10.5	10.6	10.5	10.6	10.7	10.6	10.5							
170	11.2	11.0	11.0	11.0	11.0	11.0	11.2	11.0	11.0	11.0	11.0	11.0							
175	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4							
180	11.6	11.5	11.5	11.5	11.5	11.5	11.6	11.5	11.5	11.5	11.5	11.5							

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