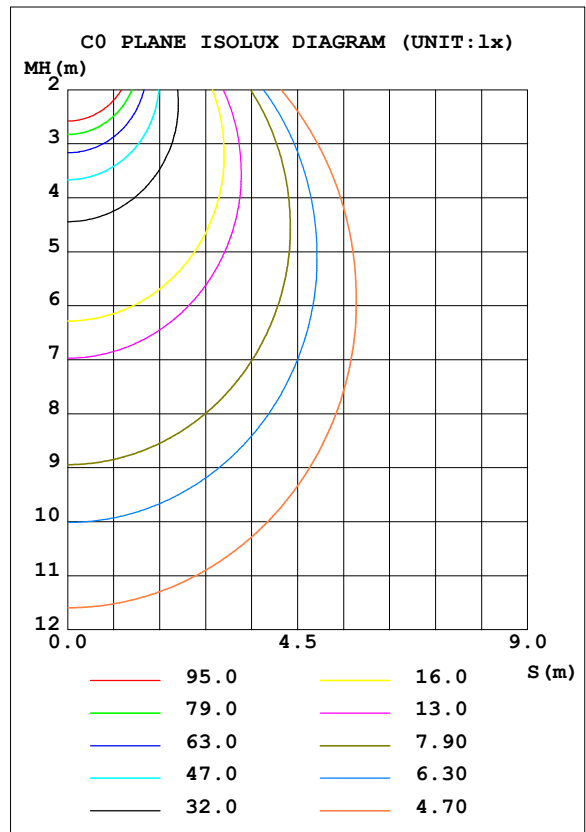
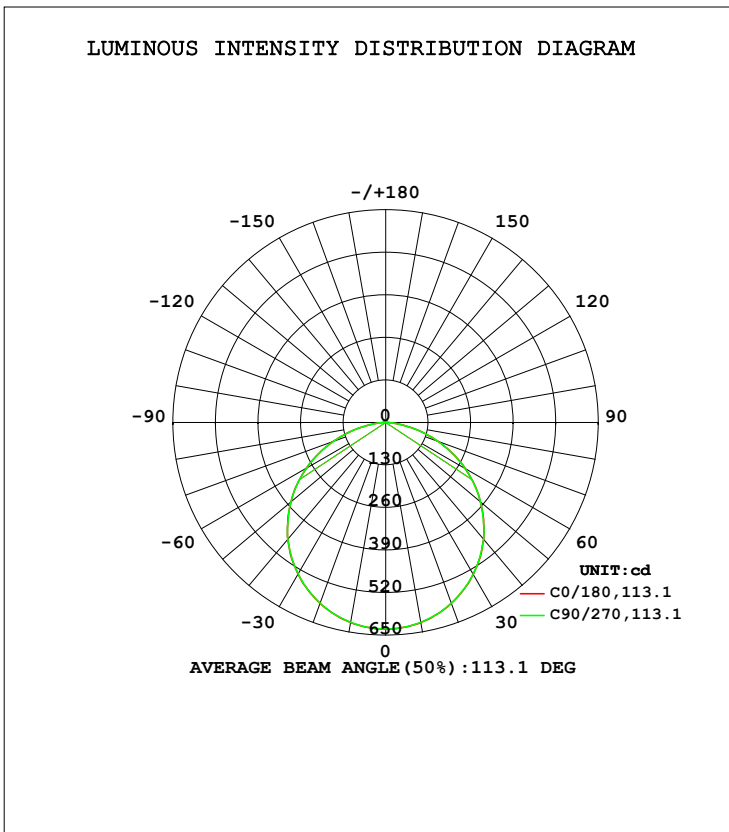


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.00V I:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.97 lm/W			
MODEL		I <sub>max</sub> (cd)	631.6	S/MH (C0/180)	1.26
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	1829.2	η UP, DN (C0-180)	0.8, 49.2
NOMINAL FLUX (lm)	1829.16	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 49.2
LAMPS INSIDE	1	η up (%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230.0	η down (%)	98.4	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 27 January 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:

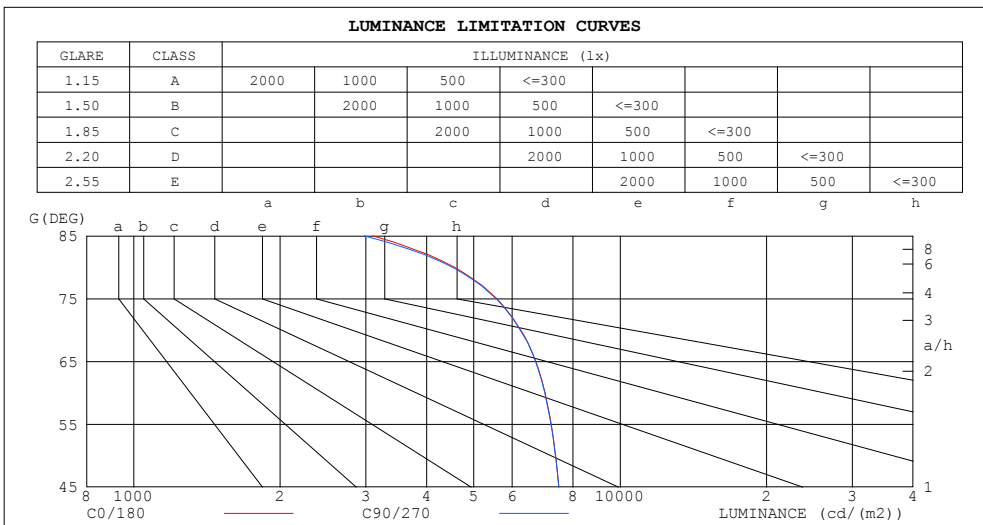
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	620.7	620.2	620.1	620.2	620.7	620.2	620.1	620.2	0- 10	59.73	59.73	3.27,3.27
20	588.1	587.6	587.5	587.6	588.1	587.6	587.5	587.6	10- 20	171.2	230.9	12.6,12.6
30	535.7	535.3	535.2	535.3	535.7	535.3	535.2	535.3	20- 30	259.9	490.8	26.8,26.8
40	465.8	465.5	465.4	465.5	465.8	465.5	465.4	465.5	30- 40	314.3	805.1	44,44
50	378.8	378.5	378.5	378.5	378.8	378.5	378.5	378.5	40- 50	326.6	1132	61.9,61.9
60	280.2	279.9	279.9	279.9	280.2	279.9	279.9	279.9	50- 60	295.4	1427	78,78
70	171.0	170.6	170.4	170.6	171.0	170.6	170.4	170.6	60- 70	223.7	1651	90.2,90.2
80	63.44	63.26	62.84	63.26	63.44	63.26	62.84	63.26	70- 80	122.0	1773	96.9,96.9
90	2.011	1.804	1.497	1.804	2.011	1.804	1.497	1.804	80- 90	27.23	1800	98.4,98.4
100	2.244	2.242	2.240	2.242	2.244	2.242	2.240	2.242	90-100	1.984	1802	98.5,98.5
110	3.211	3.204	3.228	3.204	3.211	3.204	3.228	3.204	100-110	2.870	1805	98.7,98.7
120	4.247	4.271	4.290	4.271	4.247	4.271	4.290	4.271	110-120	3.698	1809	98.9,98.9
130	5.359	5.405	5.440	5.405	5.359	5.405	5.440	5.405	120-130	4.322	1813	99.1,99.1
140	6.461	6.535	6.586	6.535	6.461	6.535	6.586	6.535	130-140	4.613	1818	99.4,99.4
150	7.493	7.583	7.691	7.583	7.493	7.583	7.691	7.583	140-150	4.432	1822	99.6,99.6
160	8.552	8.480	8.636	8.480	8.552	8.480	8.636	8.480	150-160	3.725	1826	99.8,99.8
170	9.638	9.394	9.467	9.394	9.638	9.394	9.467	9.394	160-170	2.538	1828	100,100
180	9.733	9.606	9.577	9.606	9.733	9.606	9.577	9.606	170-180	0.9140	1829	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3103	2978
80	4567	4524
75	5573	5562
70	6250	6228
65	6705	6696
60	7004	6997
55	7213	7206
50	7367	7360
45	7482	7477

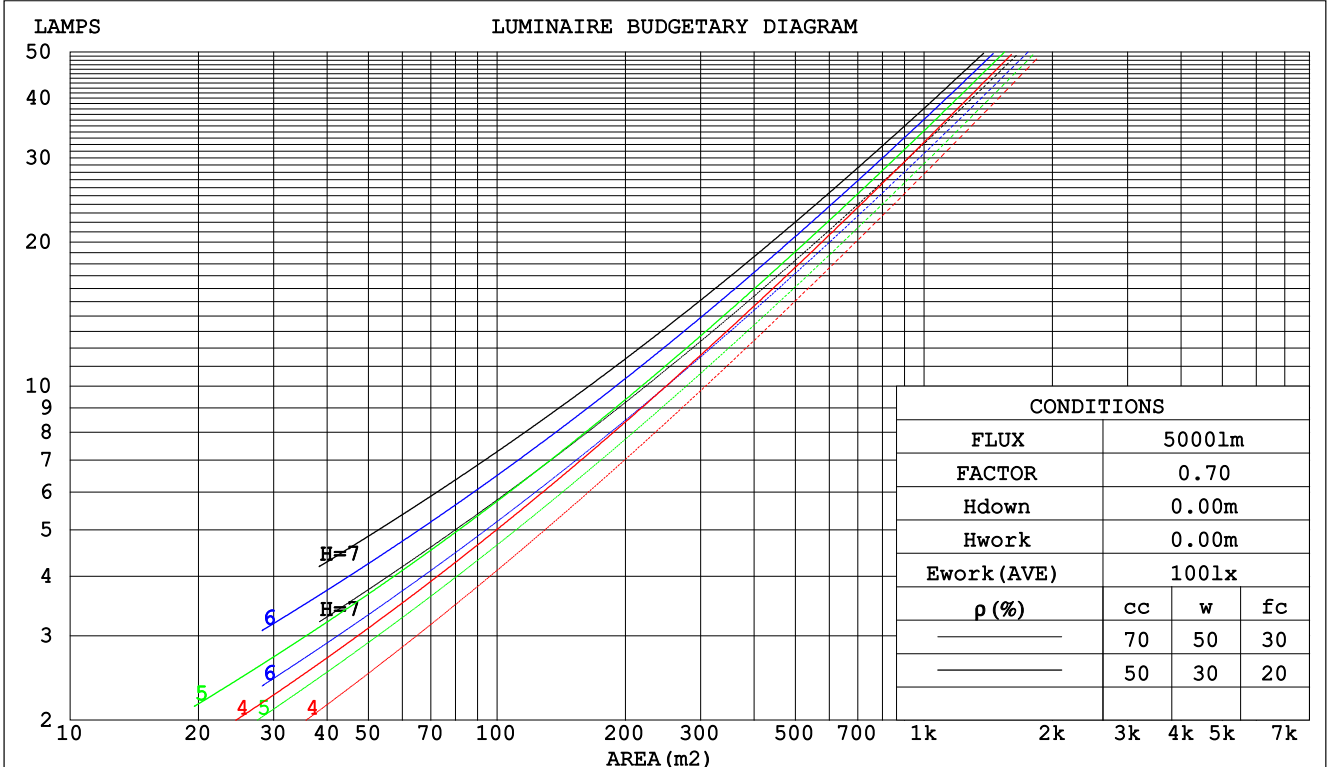
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.01	1.01	1.01	.98
1.0	1.04	.90	.96	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.84	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.74	.68	.63	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.36	.47	.40	.35	.45	.39	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm														
NAME: O18W 4000K					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.:					SUR.:295MM					Shielding Angle:				

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.305	.173	.055	.297	.169	.054	.283	.162	.052	.270	.156	.050	.258	.149	.048	
2.0	.289	.158	.049	.282	.155	.048	.269	.150	.047	.258	.145	.045	.247	.140	.044	
3.0	.268	.143	.043	.262	.140	.042	.251	.136	.041	.241	.132	.040	.231	.128	.040	
4.0	.248	.129	.038	.242	.127	.037	.232	.123	.037	.223	.120	.036	.215	.117	.036	
5.0	.229	.117	.034	.225	.115	.034	.216	.112	.033	.207	.109	.033	.200	.107	.032	
6.0	.213	.107	.031	.209	.105	.030	.201	.103	.030	.193	.100	.030	.186	.098	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.174	.091	.027	
8.0	.185	.090	.025	.182	.089	.025	.175	.088	.025	.169	.086	.025	.164	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.192	.168	.147	.164	.145	.127	.112	.099	.087	.065	.058	.051	.021	.019	.016	
2.0	.184	.144	.111	.158	.124	.096	.108	.086	.067	.062	.050	.039	.020	.016	.013	
3.0	.176	.127	.087	.151	.109	.075	.104	.076	.053	.060	.044	.031	.019	.014	.010	
4.0	.169	.113	.071	.145	.098	.062	.100	.068	.043	.058	.040	.026	.019	.013	.008	
5.0	.162	.103	.060	.139	.089	.052	.096	.062	.037	.055	.037	.022	.018	.012	.007	
6.0	.154	.095	.052	.133	.082	.045	.092	.057	.032	.053	.034	.019	.017	.011	.006	
7.0	.148	.088	.046	.127	.076	.040	.088	.053	.028	.051	.031	.017	.016	.010	.006	
8.0	.141	.082	.041	.122	.071	.036	.084	.050	.026	.049	.029	.015	.016	.010	.005	
9.0	.135	.077	.038	.116	.067	.033	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.130	.073	.035	.112	.063	.031	.077	.044	.022	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm										
NAME: O18W 4000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:295MM			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	19.7	21.2	20.0	21.4	21.7	19.7	21.2	20.0	21.4	21.7
3H	21.2	22.5	21.5	22.8	23.1	21.2	22.5	21.5	22.8	23.1
4H	21.7	23.0	22.1	23.3	23.6	21.7	23.0	22.0	23.3	23.6
6H	22.1	23.3	22.4	23.6	23.9	22.0	23.3	22.4	23.6	23.9
8H	22.1	23.3	22.5	23.6	24.0	22.1	23.3	22.5	23.6	23.9
12H	22.1	23.3	22.5	23.6	24.0	22.1	23.3	22.5	23.6	23.9
4H 2H	20.3	21.6	20.6	21.9	22.2	20.3	21.6	20.6	21.9	22.2
3H	21.9	23.1	22.3	23.4	23.7	21.9	23.1	22.3	23.4	23.7
4H	22.6	23.6	23.0	24.0	24.4	22.6	23.6	23.0	24.0	24.4
6H	23.0	24.0	23.5	24.3	24.7	23.0	24.0	23.5	24.3	24.7
8H	23.2	24.0	23.6	24.4	24.8	23.1	24.0	23.6	24.4	24.8
12H	23.2	24.0	23.7	24.4	24.9	23.2	24.0	23.6	24.4	24.8
8H 4H	22.8	23.7	23.3	24.1	24.5	22.8	23.7	23.3	24.1	24.5
6H	23.4	24.1	23.9	24.5	25.0	23.4	24.1	23.8	24.5	25.0
8H	23.6	24.2	24.1	24.7	25.1	23.6	24.2	24.0	24.6	25.1
12H	23.7	24.2	24.2	24.7	25.2	23.6	24.2	24.2	24.7	25.2
12H 4H	22.8	23.6	23.3	24.0	24.5	22.8	23.6	23.3	24.0	24.5
6H	23.4	24.1	23.9	24.5	25.0	23.4	24.0	23.9	24.5	25.0
8H	23.6	24.2	24.1	24.6	25.2	23.6	24.2	24.1	24.6	25.1
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, 1829 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.1$ )

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:

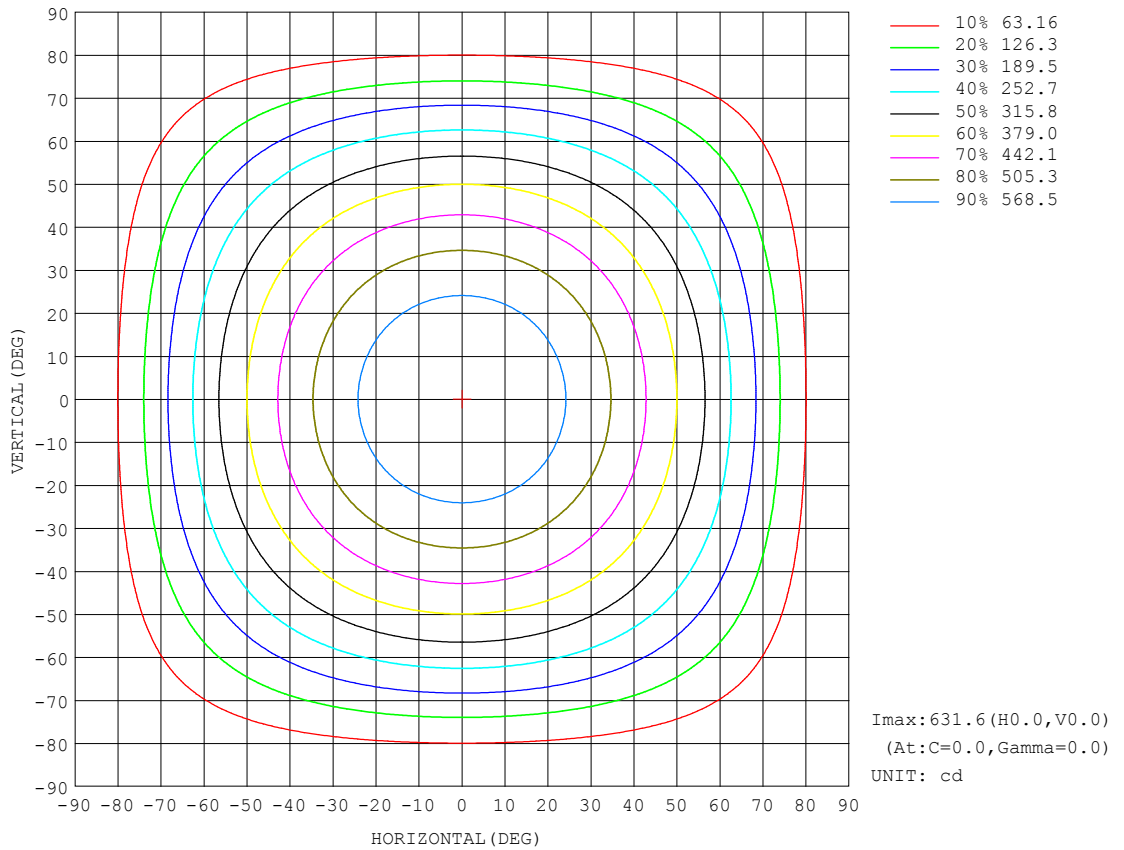
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	92	86	82	73
3.00	102	95	90	100	93	88	95	90	86	77
4.00	106	100	96	103	98	94	99	95	91	82
5.00	108	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:



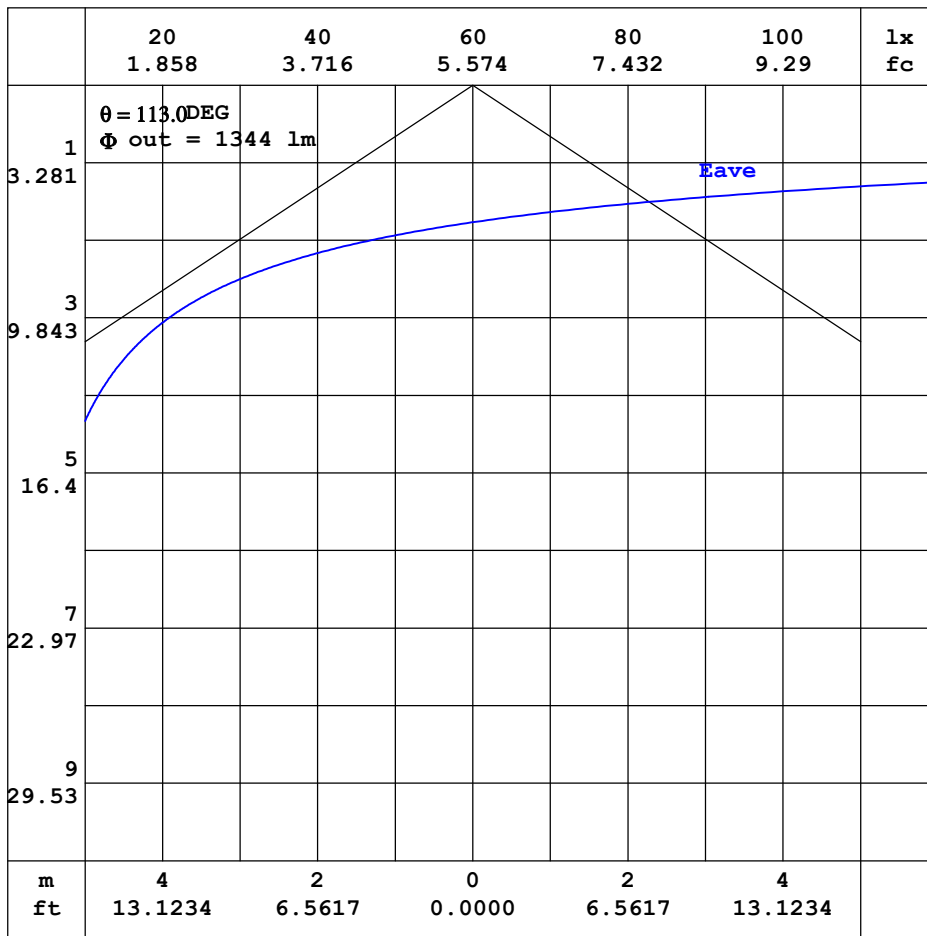
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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 CURVES

Test:U:230.00V I:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:



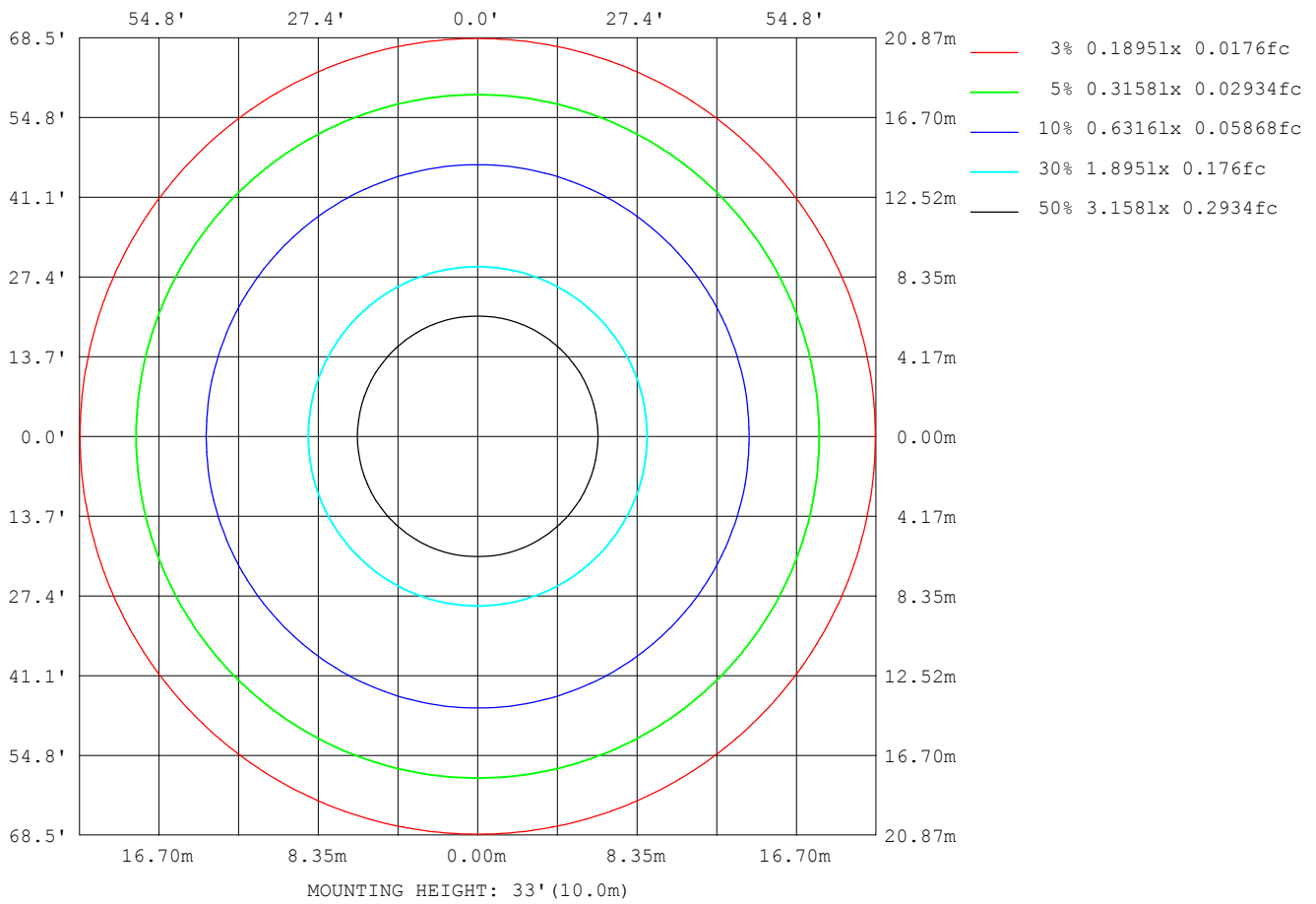
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:

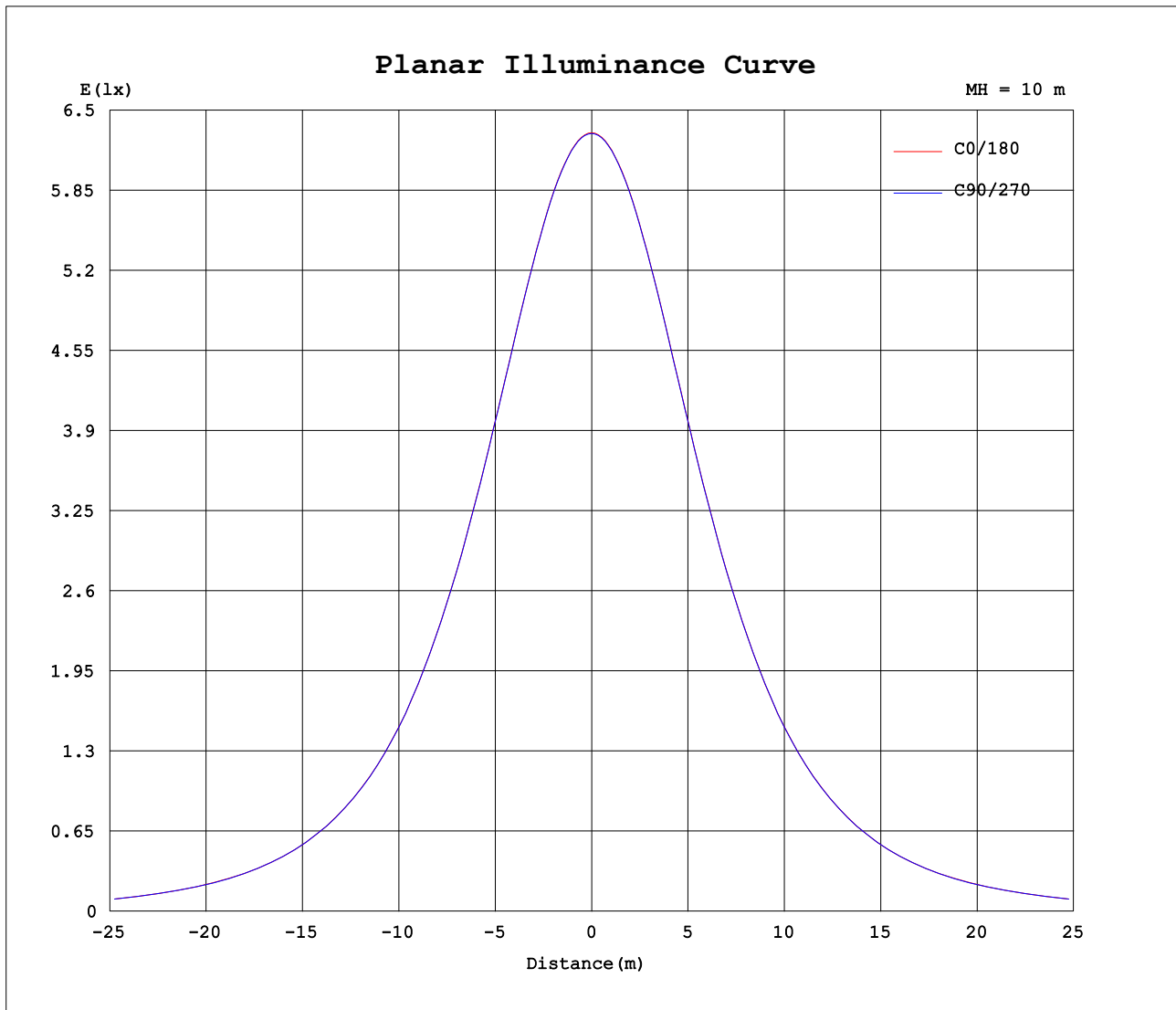
AvgL	cd/m2
L_0~180 (65) av	6705
L_0~180 (75) av	5573
L_0~180 (85) av	3103
L_90~270 (65) av	6696
L_90~270 (75) av	5562
L_90~270 (85) av	2978
L_45 (65) av	6698
L_45 (75) av	5566
L_45 (85) av	3054

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.0790A P:17.100W PF:0.9450 Freq:0Hz Lamp Flux:1829.16x1 lm		
NAME: O18W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	632	631	631	631	631	631	631	631	632	631	631	631	631	631	631	631			
5	629	628	628	628	628	628	628	628	629	628	628	628	628	628	628	628			
10	621	620	620	620	620	620	620	620	621	620	620	620	620	620	620	620			
15	607	606	606	607	606	607	606	606	607	606	606	607	606	607	606	606			
20	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588			
25	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564			
30	536	535	535	535	535	535	535	535	536	535	535	535	535	535	535	535			
35	503	502	502	503	502	503	502	502	503	502	502	503	502	503	502	502			
40	466	465	465	466	465	466	465	465	466	465	465	466	465	466	465	465			
45	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423			
50	379	378	379	379	378	379	379	378	379	378	379	379	378	379	379	378			
55	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331			
60	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280			
65	227	226	226	227	226	227	226	226	227	226	226	227	226	227	226	226			
70	171	171	171	171	170	171	171	171	171	171	171	171	170	171	171	171			
75	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115			
80	63.4	63.4	63.3	62.9	62.8	62.9	63.3	63.4	63.4	63.4	63.3	62.9	62.8	62.9	63.3	63.4			
85	21.6	21.6	21.3	20.9	20.8	20.9	21.3	21.6	21.6	21.6	21.3	20.9	20.8	20.9	21.3	21.6			
90	2.01	2.04	1.80	1.59	1.50	1.59	1.80	2.04	2.01	2.04	1.80	1.59	1.50	1.59	1.80	2.04			
95	1.79	1.79	1.79	1.78	1.79	1.78	1.79	1.79	1.79	1.79	1.79	1.78	1.79	1.78	1.79	1.79			
100	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24			
105	2.72	2.71	2.71	2.71	2.72	2.71	2.71	2.71	2.72	2.71	2.71	2.71	2.72	2.71	2.71	2.71			
110	3.21	3.20	3.20	3.21	3.23	3.21	3.20	3.20	3.21	3.20	3.20	3.21	3.23	3.21	3.20	3.20			
115	3.71	3.72	3.73	3.74	3.75	3.74	3.73	3.72	3.71	3.72	3.73	3.74	3.75	3.74	3.73	3.72			
120	4.25	4.25	4.27	4.27	4.29	4.27	4.27	4.25	4.25	4.25	4.27	4.27	4.29	4.27	4.27	4.25			
125	4.78	4.80	4.83	4.85	4.86	4.85	4.83	4.80	4.78	4.80	4.83	4.85	4.86	4.85	4.83	4.80			
130	5.36	5.38	5.40	5.42	5.44	5.42	5.40	5.38	5.36	5.38	5.40	5.42	5.44	5.42	5.40	5.38			
135	5.91	5.96	5.97	5.99	6.02	5.99	5.97	5.96	5.91	5.96	5.97	5.99	6.02	5.99	5.97	5.96			
140	6.46	6.53	6.54	6.57	6.59	6.57	6.54	6.53	6.46	6.53	6.54	6.57	6.59	6.57	6.54	6.53			
145	6.99	7.07	7.06	7.12	7.15	7.12	7.06	7.07	6.99	7.07	7.06	7.12	7.15	7.12	7.06	7.07			
150	7.49	7.58	7.58	7.63	7.69	7.63	7.58	7.58	7.49	7.58	7.58	7.63	7.69	7.63	7.58	7.58			
155	8.01	8.07	8.04	8.12	8.17	8.12	8.04	8.07	8.01	8.07	8.04	8.12	8.17	8.12	8.04	8.07			
160	8.55	8.52	8.48	8.58	8.64	8.58	8.48	8.52	8.55	8.52	8.48	8.58	8.64	8.58	8.48	8.52			
165	9.15	8.96	8.91	9.02	9.09	9.02	8.91	8.96	9.15	8.96	8.91	9.02	9.09	9.02	8.91	8.96			
170	9.64	9.48	9.39	9.41	9.47	9.41	9.39	9.48	9.64	9.48	9.39	9.41	9.47	9.41	9.39	9.48			
175	9.76	9.65	9.59	9.57	9.55	9.57	9.59	9.65	9.76	9.65	9.59	9.57	9.55	9.57	9.59	9.65			
180	9.73	9.62	9.61	9.58	9.58	9.58	9.61	9.62	9.73	9.62	9.61	9.58	9.58	9.58	9.61	9.62			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 January 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:

EVERFINE

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	631.6	631.2	631.2	631.3	631.1	631.3	631.2	631.2	631.6	631.2
3.0	630.7	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.7	630.2
6.0	627.6	627.2	627.2	627.3	627.3	627.3	627.2	627.2	627.6	627.2
9.0	622.7	622.3	622.2	622.3	622.1	622.3	622.2	622.3	622.7	622.3
12.0	615.7	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.7	615.3
15.0	606.9	606.4	606.4	606.6	606.4	606.6	606.4	606.4	606.9	606.4
18.0	596.3	595.8	595.7	595.8	595.7	595.8	595.7	595.8	596.3	595.8
21.0	583.6	583.2	583.2	583.4	583.2	583.4	583.2	583.2	583.6	583.2
24.0	569.4	569.0	569.0	569.0	568.9	569.0	569.0	569.0	569.4	569.0
27.0	553.4	552.9	553.0	552.9	553.0	552.9	553.0	552.9	553.4	552.9
30.0	535.7	535.4	535.3	535.4	535.2	535.4	535.3	535.4	535.7	535.4
33.0	516.5	516.2	516.1	516.1	516.1	516.1	516.1	516.2	516.5	516.2
36.0	495.7	495.3	495.4	495.5	495.3	495.5	495.4	495.3	495.7	495.3
39.0	473.5	473.2	473.1	473.2	473.2	473.2	473.1	473.2	473.5	473.2
42.0	449.3	449.2	449.3	449.8	449.6	449.8	449.3	449.2	449.3	449.2
45.0	423.3	423.2	423.2	422.8	422.9	422.8	423.2	423.2	423.3	423.2
48.0	397.0	396.7	396.7	396.7	396.6	396.7	396.7	396.7	397.0	396.7
51.0	369.5	369.2	369.2	369.2	369.2	369.2	369.2	369.2	369.5	369.2
54.0	340.8	340.5	340.6	340.5	340.6	340.5	340.6	340.5	340.8	340.5
57.0	311.1	310.7	310.7	310.7	310.8	310.7	310.7	310.7	311.1	310.7
60.0	280.2	279.9	279.9	279.9	279.9	279.9	279.9	279.9	280.2	279.9
63.0	248.4	248.2	248.1	248.1	248.2	248.1	248.2	248.2	248.4	248.2
66.0	215.7	215.5	215.5	215.5	215.6	215.5	215.5	215.5	215.7	215.5
69.0	182.5	182.1	182.0	182.0	181.9	182.0	182.0	182.1	182.5	182.1
72.0	148.4	148.3	148.3	148.3	148.2	148.3	148.3	148.3	148.4	148.3
75.0	115.4	115.3	115.2	115.2	115.2	115.2	115.2	115.3	115.4	115.3
78.0	83.47	83.46	83.39	83.20	83.01	83.20	83.39	83.46	83.47	83.46
81.0	53.92	53.93	53.69	53.43	53.25	53.43	53.69	53.93	53.92	53.93
84.0	28.70	28.67	28.35	27.96	27.80	27.96	28.35	28.67	28.70	28.67
87.0	10.28	10.32	9.919	9.555	9.428	9.555	9.919	10.32	10.28	10.32
90.0	2.011	2.040	1.804	1.586	1.497	1.586	1.804	2.040	2.011	2.040
93.0	1.627	1.622	1.623	1.621	1.622	1.621	1.623	1.622	1.627	1.622
96.0	1.882	1.874	1.875	1.871	1.874	1.871	1.875	1.874	1.882	1.874
99.0	2.151	2.149	2.142	2.147	2.145	2.147	2.142	2.149	2.151	2.149
102.0	2.434	2.427	2.427	2.425	2.438	2.425	2.427	2.427	2.434	2.427
105.0	2.720	2.708	2.708	2.708	2.720	2.708	2.708	2.708	2.720	2.708
108.0	3.014	3.000	3.003	3.008	3.006	3.008	3.003	3.000	3.014	3.000
111.0	3.311	3.305	3.313	3.317	3.326	3.317	3.313	3.305	3.311	3.305
114.0	3.615	3.616	3.622	3.633	3.649	3.633	3.622	3.616	3.615	3.616
117.0	3.924	3.924	3.943	3.950	3.971	3.950	3.943	3.924	3.924	3.924
120.0	4.247	4.249	4.271	4.274	4.290	4.274	4.249	4.249	4.247	4.249
123.0	4.569	4.574	4.601	4.613	4.633	4.613	4.601	4.574	4.569	4.574
126.0	4.900	4.913	4.945	4.966	4.971	4.966	4.945	4.913	4.900	4.913
129.0	5.239	5.265	5.290	5.308	5.322	5.308	5.290	5.265	5.239	5.265
132.0	5.578	5.606	5.635	5.656	5.667	5.656	5.606	5.606	5.578	5.606
135.0	5.905	5.958	5.973	5.994	6.022	5.994	5.973	5.958	5.905	5.958
138.0	6.247	6.302	6.318	6.343	6.373	6.343	6.318	6.302	6.247	6.302
141.0	6.560	6.636	6.640	6.689	6.704	6.689	6.640	6.636	6.560	6.636
144.0	6.887	6.968	6.964	7.015	7.040	7.015	6.964	6.968	6.887	6.968
147.0	7.196	7.279	7.268	7.328	7.363	7.328	7.268	7.279	7.196	7.279
150.0	7.493	7.583	7.583	7.628	7.691	7.628	7.583	7.583	7.493	7.583
153.0	7.805	7.874	7.867	7.929	7.985	7.929	7.867	7.874	7.805	7.874
156.0	8.113	8.156	8.131	8.212	8.266	8.212	8.131	8.156	8.113	8.156
159.0	8.442	8.432	8.394	8.491	8.544	8.491	8.394	8.432	8.442	8.432
162.0	8.789	8.693	8.650	8.762	8.834	8.762	8.650	8.693	8.789	8.693
165.0	9.154	8.960	8.912	9.017	9.093	9.017	8.960	8.960	9.154	8.960
168.0	9.486	9.257	9.200	9.267	9.329	9.267	9.200	9.257	9.486	9.257
171.0	9.702	9.558	9.472	9.468	9.516	9.468	9.472	9.558	9.702	9.558
174.0	9.775	9.655	9.587	9.556	9.547	9.556	9.587	9.655	9.775	9.655
177.0	9.737	9.638	9.583	9.556	9.562	9.556	9.583	9.638	9.737	9.638
180.0	9.733	9.625	9.606	9.585	9.577	9.585	9.606	9.625	9.733	9.625
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	631.2	631.3	631.1	631.3	631.2	631.2				
3.0	630.2	630.2	630.2	630.2	630.2	630.2				
6.0	627.2	627.3	627.2	627.3	627.2	627.2				
9.0	622.2	622.3	622.1	622.3	622.2	622.3				
12.0	615.3	615.3	615.3	615.3	615.3	615.3				
15.0	606.4	606.6	606.4	606.6	606.4	606.4				
18.0	595.7	595.8	595.7	595.8	595.7	595.8				
21.0	583.2	583.4	583.2	583.4	583.2	583.2				
24.0	569.0	569.0	568.9	569.0	569.0	569.0				
27.0	553.0	552.9	553.0	552.9	553.0	552.9				
30.0	535.3	535.4	535.2	535.4	535.3	535.4				

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: DAMIN

Test Date: 27 January 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:

EVERFINE

Photometric Data Table [cd]

33.0	516.1	516.1	516.1	516.1	516.1	516.2
36.0	495.4	495.5	495.3	495.5	495.4	495.3
39.0	473.1	473.2	473.2	473.2	473.1	473.2
42.0	449.3	449.8	449.6	449.8	449.3	449.2
45.0	423.2	422.8	422.9	422.8	423.2	423.2
48.0	396.7	396.7	396.6	396.7	396.7	396.7
51.0	369.2	369.2	369.2	369.2	369.2	369.2
54.0	340.6	340.5	340.6	340.5	340.6	340.5
57.0	310.7	310.7	310.8	310.7	310.7	310.7
60.0	279.9	279.9	279.9	279.9	279.9	279.9
63.0	248.1	248.1	248.2	248.1	248.1	248.2
66.0	215.5	215.5	215.6	215.5	215.5	215.5
69.0	182.0	182.0	181.9	182.0	182.0	182.1
72.0	148.3	148.3	148.2	148.3	148.3	148.3
75.0	115.2	115.2	115.2	115.2	115.2	115.3
78.0	83.39	83.20	83.01	83.20	83.39	83.46
81.0	53.69	53.43	53.25	53.43	53.69	53.93
84.0	28.35	27.96	27.80	27.96	28.35	28.67
87.0	9.919	9.555	9.428	9.555	9.919	10.32
90.0	1.804	1.586	1.497	1.586	1.804	2.040
93.0	1.623	1.621	1.622	1.621	1.623	1.622
96.0	1.875	1.871	1.874	1.871	1.875	1.874
99.0	2.142	2.147	2.145	2.147	2.142	2.149
102.0	2.427	2.425	2.438	2.425	2.427	2.427
105.0	2.708	2.708	2.720	2.708	2.708	2.708
108.0	3.003	3.008	3.006	3.008	3.003	3.000
111.0	3.313	3.317	3.326	3.317	3.313	3.305
114.0	3.622	3.633	3.649	3.633	3.622	3.616
117.0	3.943	3.950	3.971	3.950	3.943	3.924
120.0	4.271	4.274	4.290	4.274	4.271	4.249
123.0	4.601	4.613	4.633	4.613	4.601	4.574
126.0	4.945	4.966	4.971	4.966	4.945	4.913
129.0	5.290	5.308	5.322	5.308	5.290	5.265
132.0	5.635	5.656	5.667	5.656	5.635	5.606
135.0	5.973	5.994	6.022	5.994	5.973	5.958
138.0	6.318	6.343	6.373	6.343	6.318	6.302
141.0	6.640	6.689	6.704	6.689	6.640	6.636
144.0	6.964	7.015	7.040	7.015	6.964	6.968
147.0	7.268	7.328	7.363	7.328	7.268	7.279
150.0	7.583	7.628	7.691	7.628	7.583	7.583
153.0	7.867	7.929	7.985	7.929	7.867	7.874
156.0	8.131	8.212	8.266	8.212	8.131	8.156
159.0	8.394	8.491	8.544	8.491	8.394	8.432
162.0	8.650	8.762	8.834	8.762	8.650	8.693
165.0	8.912	9.017	9.093	9.017	8.912	8.960
168.0	9.200	9.267	9.329	9.267	9.200	9.257
171.0	9.472	9.468	9.516	9.468	9.472	9.558
174.0	9.587	9.556	9.547	9.556	9.587	9.655
177.0	9.583	9.556	9.562	9.556	9.583	9.638
180.0	9.606	9.585	9.577	9.585	9.606	9.625

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:27 January 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: