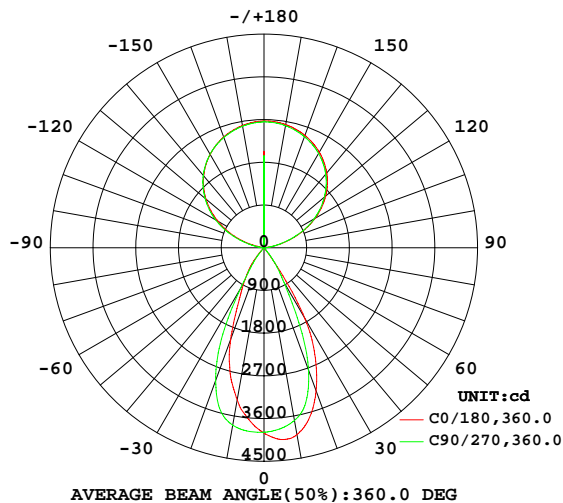


LUMINAIRE PHOTOMETRIC TEST REPORT

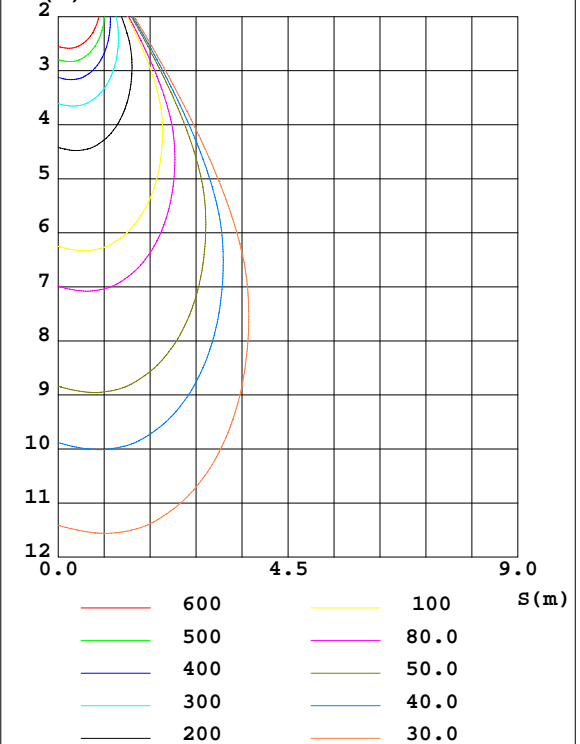
Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.52 lm/W			
MODEL		Imax(cd)	4062	S/MH(C0/180)	0.85
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.71
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	9929.1	η UP,DN(C0-180)	37.8,12.3
NOMINAL FLUX(lm)	9929.1	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	37.2,12.8
LAMPS INSIDE	1	η up(%)	75.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	η down(%)	25.0	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

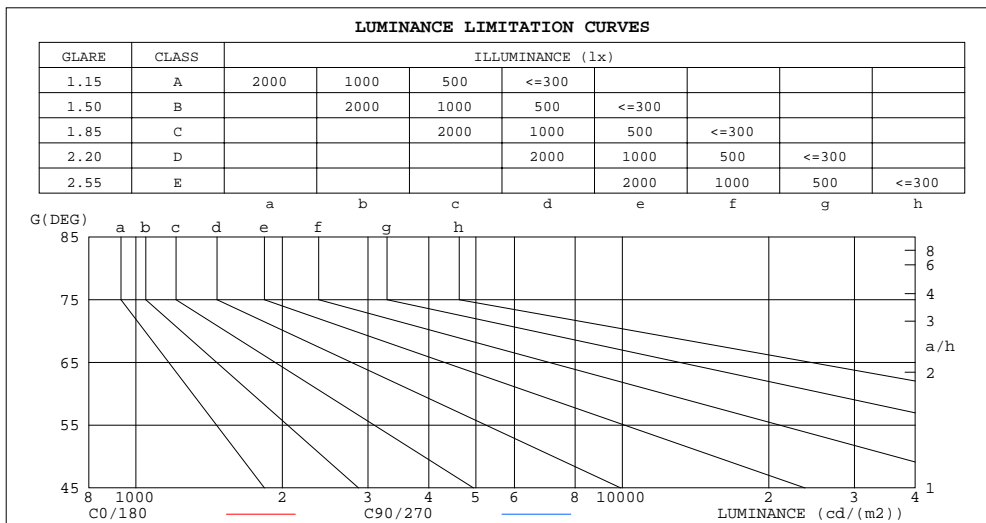
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	3998	3938	3696	3347	3257	3473	3796	3947	0- 10	361.7	361.7	3.64,3.64
20	3210	3120	2746	2199	2059	2435	2981	3186	10- 20	919.6	1281	12.9,12.9
30	1729	1272	844.4	832.1	845.8	858.5	997.0	1571	20- 30	866.3	2148	21.6,21.6
40	19.69	68.19	120.6	216.0	224.1	219.8	128.9	54.30	30- 40	311.9	2460	24.8,24.8
50	1.989	2.661	1.840	3.338	1.975	4.392	2.033	2.940	40- 50	25.30	2485	25,25
60	0.4818	0.6617	0.3961	0.6366	0.3685	0.6685	0.4459	0.6780	50- 60	1.120	2486	25,25
70	0.1891	0.1719	0.1549	0.1633	0.2061	0.1864	0.1992	0.2427	60- 70	0.2763	2486	25,25
80	0.1574	0.1448	0.1327	0.1398	0.1976	0.1825	0.1716	0.1960	70- 80	0.1820	2486	25,25
90	5.516	5.543	0.1117	4.145	4.305	0.2062	3.366	5.035	80- 90	0.3274	2487	25,25
100	200.4	205.8	189.1	114.8	69.92	109.2	162.7	188.9	90-100	45.91	2533	25.5,25.5
110	713.5	712.8	687.4	625.8	588.0	590.0	640.6	684.4	100-110	400.7	2933	29.5,29.5
120	1243	1243	1222	1154	1124	1122	1177	1210	110-120	897.3	3831	38.6,38.6
130	1697	1685	1661	1617	1598	1588	1620	1656	120-130	1259	5090	51.3,51.3
140	2056	2038	2025	1993	1979	1964	1991	2021	130-140	1410	6500	65.5,65.5
150	2329	2309	2299	2282	2272	2254	2275	2304	140-150	1349	7850	79.1,79.1
160	2521	2498	2491	2485	2484	2461	2475	2500	150-160	1106	8955	90.2,90.2
170	2636	2614	2613	2613	2615	2591	2601	2619	160-170	722.4	9678	97.5,97.5
180	2671	2671	2671	2671	2671	2671	2671	2671	170-180	251.4	9929	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:1.700m [K=5.8824]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	Shielding Angle:



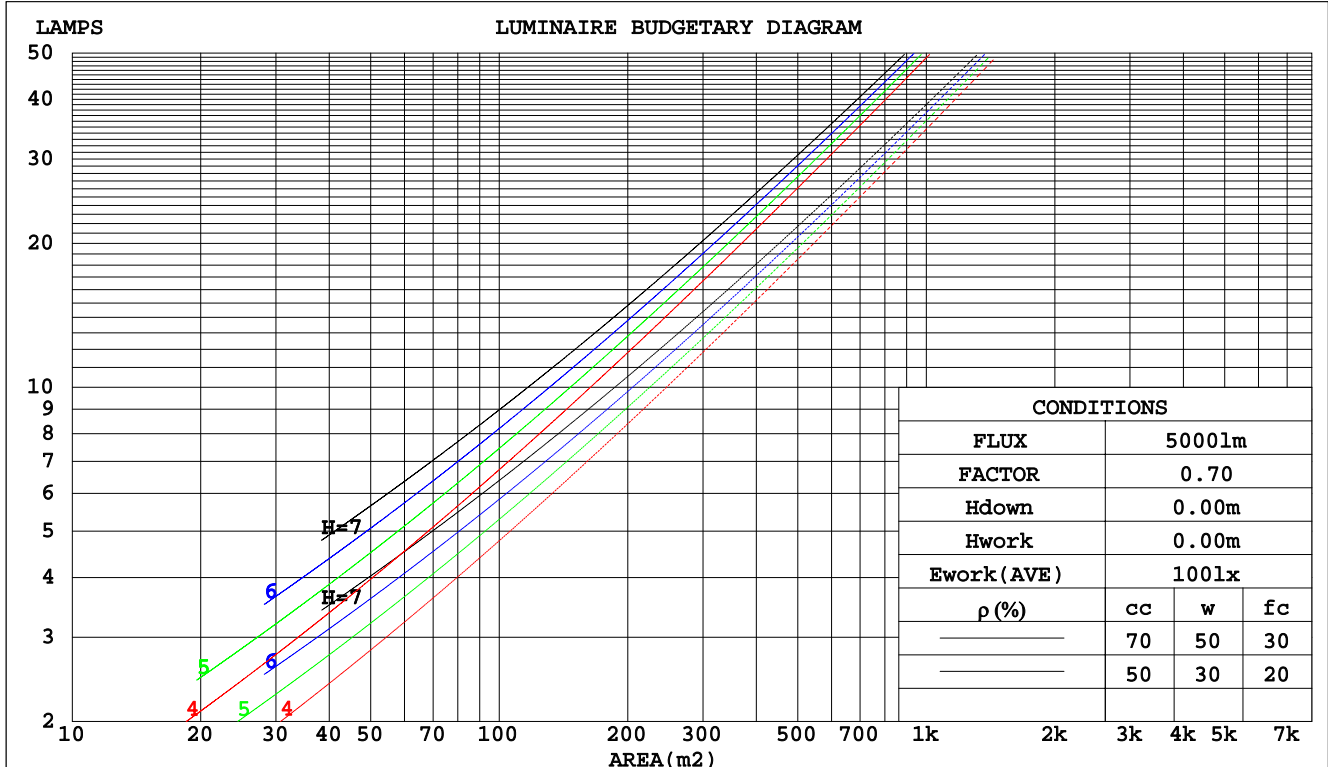
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	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						Coefficients of Utilization(CU)									
0.0	1.01	1.01	1.01	.90	.90	.90	.69	.69	.69	.51	.51	.51	.33	.33	.33	.25
1.0	.90	.87	.84	.80	.78	.75	.63	.61	.59	.46	.45	.45	.31	.31	.31	.24
2.0	.80	.75	.71	.72	.68	.64	.57	.54	.52	.43	.41	.40	.30	.29	.28	.22
3.0	.72	.66	.61	.65	.60	.56	.52	.48	.46	.39	.37	.36	.28	.27	.26	.21
4.0	.65	.59	.53	.59	.53	.49	.47	.44	.41	.36	.34	.32	.26	.25	.24	.20
5.0	.59	.52	.47	.54	.48	.44	.43	.39	.36	.34	.31	.29	.25	.24	.23	.19
6.0	.54	.47	.42	.49	.43	.39	.40	.36	.33	.31	.29	.27	.24	.22	.21	.18
7.0	.49	.43	.38	.45	.39	.35	.37	.33	.30	.29	.27	.25	.22	.21	.20	.17
8.0	.46	.39	.34	.42	.36	.32	.34	.30	.28	.28	.25	.23	.21	.20	.19	.16
9.0	.42	.36	.31	.39	.33	.29	.32	.28	.25	.26	.23	.21	.20	.19	.18	.15
10.0	.39	.33	.29	.36	.31	.27	.30	.26	.23	.24	.22	.20	.19	.18	.17	.15



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:1.700m [K=5.8824]
 Remarks:

WEC AND CCEC

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1056*64*3			SERIAL No.:		
MFR.: AS42216083-02			SUR.:0.635*0.05			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	.233	.133	.042	.204	.116	.037	.148	.085	.027	.098	.056	.018	.051	.029	.009	
2.0	.215	.118	.036	.189	.104	.032	.138	.077	.024	.092	.051	.016	.049	.028	.009	
3.0	.200	.106	.032	.175	.094	.028	.129	.070	.021	.086	.047	.015	.047	.026	.008	
4.0	.186	.097	.028	.163	.086	.025	.121	.064	.019	.081	.044	.013	.045	.024	.007	
5.0	.174	.088	.026	.153	.078	.023	.114	.059	.017	.077	.041	.012	.043	.023	.007	
6.0	.163	.081	.023	.143	.072	.021	.107	.055	.016	.073	.038	.011	.041	.022	.006	
7.0	.153	.075	.021	.135	.067	.019	.101	.051	.015	.069	.035	.010	.039	.020	.006	
8.0	.144	.070	.020	.127	.063	.018	.096	.048	.014	.066	.033	.010	.038	.019	.006	
9.0	.136	.066	.018	.120	.059	.016	.091	.045	.013	.063	.031	.009	.036	.018	.005	
10.0	.128	.062	.017	.114	.055	.015	.086	.042	.012	.060	.030	.008	.035	.018	.005	

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	.762	.762	.762	.651	.651	.651	.444	.444	.444	.255	.255	.255	.082	.082	.082	
1.0	.751	.733	.716	.642	.629	.616	.439	.433	.426	.253	.250	.248	.081	.081	.080	
2.0	.742	.712	.687	.635	.613	.594	.435	.424	.414	.251	.247	.243	.081	.080	.079	
3.0	.734	.697	.667	.629	.601	.578	.432	.417	.406	.249	.244	.239	.080	.079	.078	
4.0	.727	.685	.653	.623	.592	.567	.429	.412	.400	.248	.242	.236	.080	.079	.078	
5.0	.720	.676	.643	.618	.585	.559	.426	.408	.395	.247	.240	.234	.080	.078	.077	
6.0	.714	.668	.636	.614	.579	.554	.423	.405	.392	.246	.238	.233	.079	.078	.077	
7.0	.709	.662	.630	.610	.574	.549	.421	.403	.389	.245	.237	.232	.079	.078	.077	
8.0	.703	.657	.626	.606	.570	.546	.419	.400	.387	.244	.236	.231	.079	.077	.076	
9.0	.699	.653	.622	.602	.567	.543	.417	.399	.386	.243	.235	.230	.079	.077	.076	
10.0	.694	.650	.620	.598	.564	.541	.415	.397	.384	.242	.235	.229	.079	.077	.076	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1056*64*3			SERIAL No.:			
MFR.: AS42216083-02					SUR.:0.635*0.05			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	6.9	7.5	8.0	8.6	10.0	3.9	4.6	5.0	5.6	7.0	
	3H	6.5	7.1	7.6	8.2	9.6	3.6	4.1	4.7	5.2	6.7
	4H	6.3	6.9	7.4	7.9	9.4	3.4	3.9	4.5	5.0	6.5
	6H	6.1	6.6	7.3	7.7	9.2	3.2	3.7	4.3	4.8	6.3
	8H	6.0	6.5	7.2	7.6	9.1	3.1	3.5	4.2	4.6	6.1
	12H	5.9	6.4	7.1	7.5	9.0	3.0	3.4	4.1	4.5	6.0
4H	2H	6.3	6.9	7.4	7.9	9.4	3.4	3.9	4.5	5.0	6.5
	3H	5.9	6.4	7.1	7.5	9.0	3.0	3.4	4.1	4.5	6.0
	4H	5.7	6.1	6.9	7.2	8.8	2.8	3.2	3.9	4.3	5.8
	6H	5.5	5.9	6.7	7.0	8.6	2.6	2.9	3.7	4.0	5.6
	8H	5.4	5.7	6.6	6.9	8.4	2.5	2.8	3.6	3.9	5.5
	12H	5.3	5.6	6.5	6.7	8.3	2.3	2.6	3.5	3.8	5.4
8H	4H	5.4	5.7	6.6	6.9	8.4	2.4	2.8	3.6	3.9	5.5
	6H	5.2	5.5	6.4	6.6	8.2	2.2	2.5	3.4	3.6	5.3
	8H	5.1	5.3	6.3	6.5	8.1	2.1	2.3	3.3	3.5	5.1
	12H	5.0	5.2	6.2	6.3	8.0	2.0	2.2	3.2	3.4	5.0
12H	4H	5.3	5.6	6.5	6.7	8.3	2.3	2.6	3.5	3.8	5.4
	6H	5.1	5.3	6.3	6.5	8.1	2.1	2.3	3.3	3.5	5.1
	8H	5.0	5.2	6.2	6.3	8.0	2.0	2.2	3.2	3.4	5.0
Variations with the observer position at spacings:											
S = 1.0H	+ 6.2 / -20.9					+ 5.0 / -25.6					
1.5H	+ 9.0 / -19.0					+ 7.8 / -23.3					
2.0H	+ 4.5 / - 4.0					+ 6.6 / - 6.4					

CIE Pub.117, 9929 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.0$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	Shielding Angle:

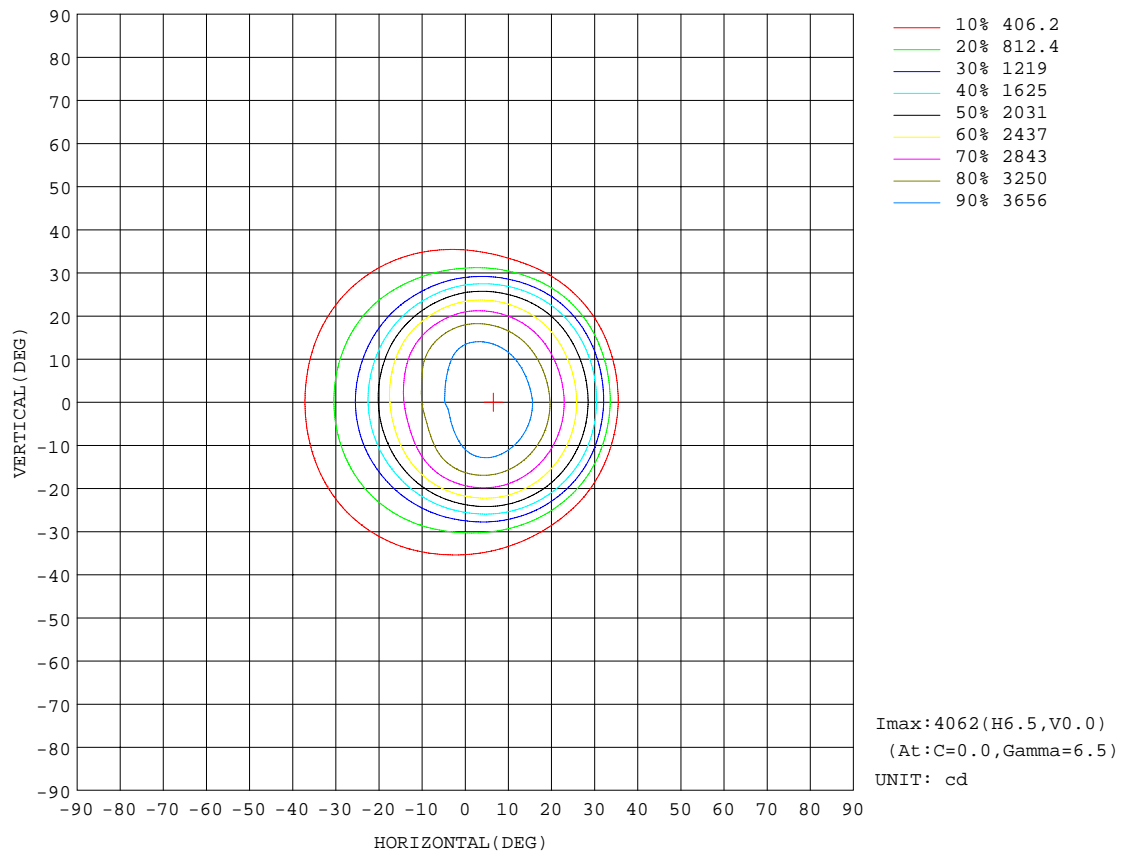
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	36	31	42	34	30	36	30	27	20
0.80	54	44	38	50	41	36	42	36	32	21
1.00	60	50	44	55	47	41	45	40	36	22
1.25	66	57	50	60	52	47	49	44	40	23
1.50	71	62	55	64	56	51	52	47	43	24
2.00	77	69	62	69	62	57	55	51	47	24
2.50	81	73	67	73	67	62	58	54	50	24
3.00	84	77	72	75	70	65	59	56	53	24
4.00	88	82	78	79	74	70	62	59	56	25
5.00	91	86	82	81	77	74	63	61	59	25
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

ISOCANDELA DIAGRAM

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	Shielding Angle:

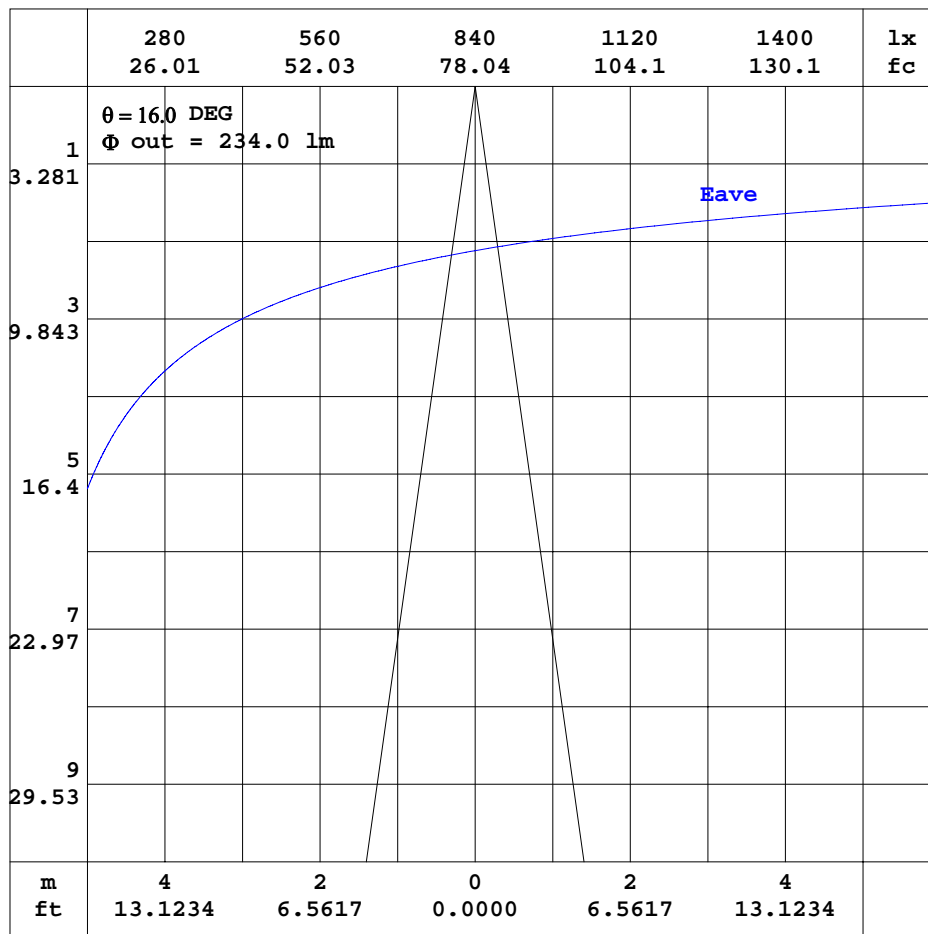


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 1.700m [K=5.8824]
Remarks:

AAI CURVES

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	Shielding Angle:



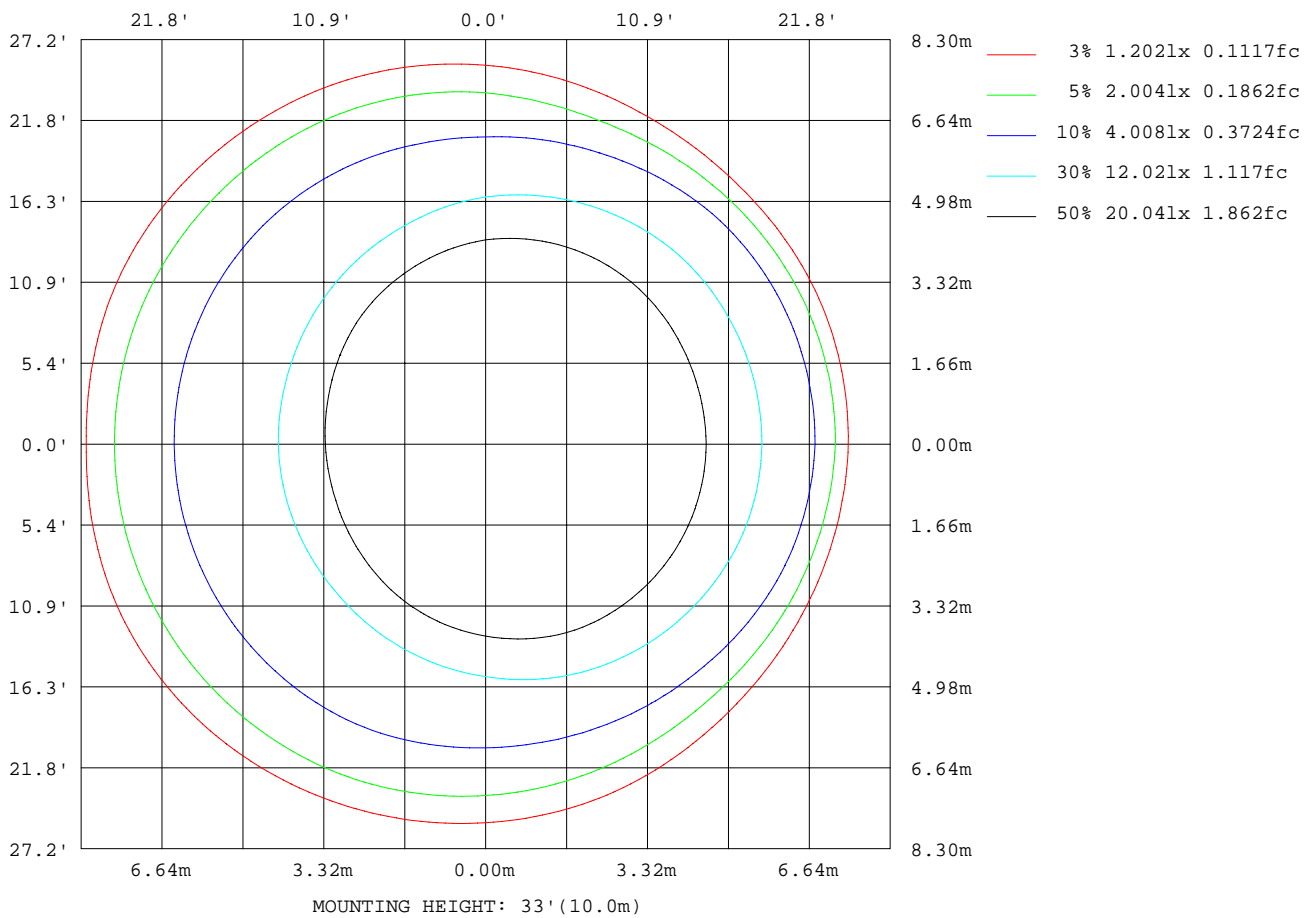
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 1.700m [K=5.8824]
Remarks:

ISOLUX DIAGRAM

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

LED Avg.L Report

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	Shielding Angle:

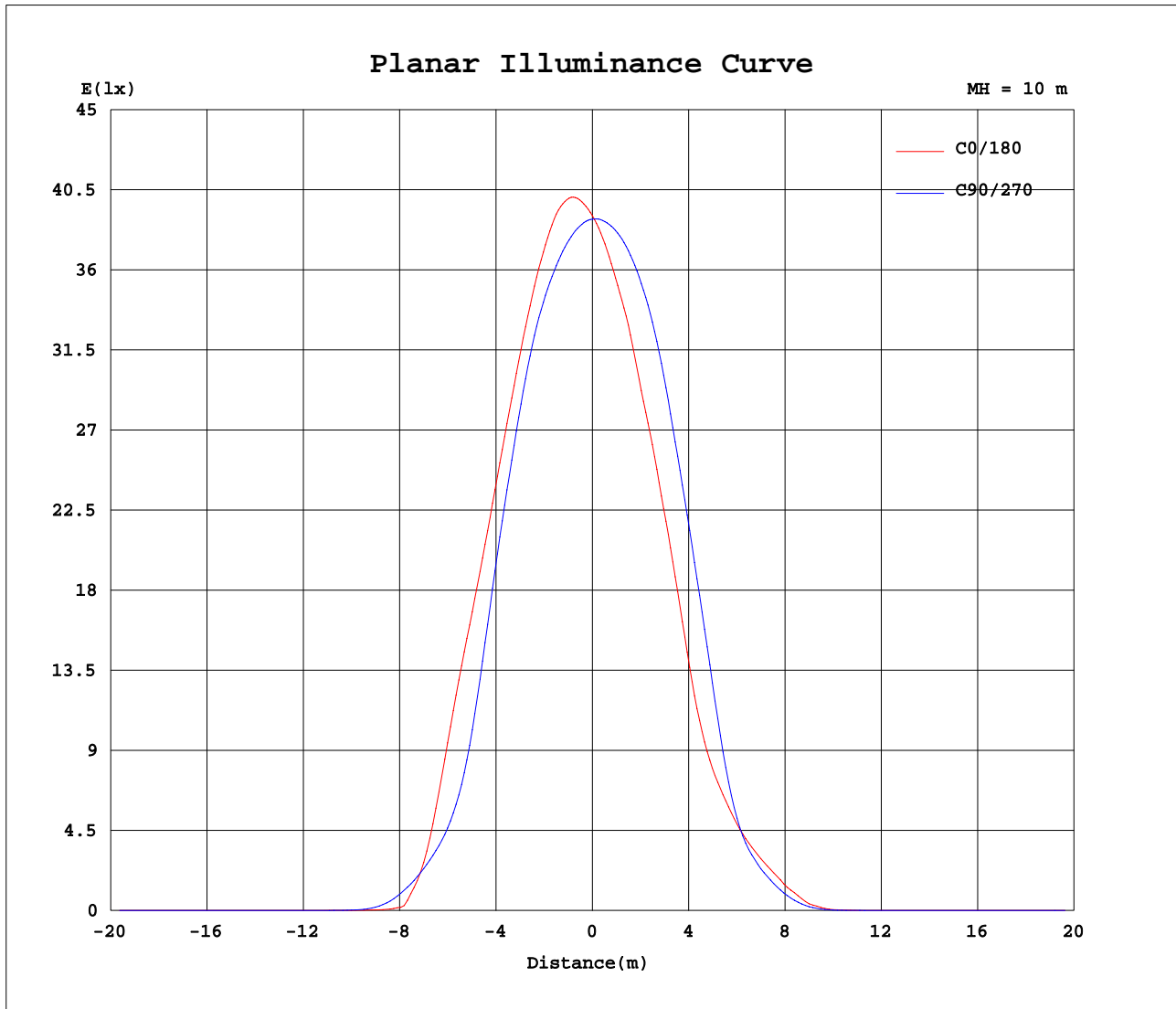
AvgL	cd/m2
L_0~180(65)av	17
L_0~180(75)av	22
L_0~180(85)av	73
L_90~270(65)av	15
L_90~270(75)av	20
L_90~270(85)av	52
L_45(65)av	20
L_45(75)av	22
L_45(85)av	57

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2022-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 1.700m [K=5.8824]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1056*64*3					SERIAL No.:				
MFR.: AS42216083-02									SUR.:0.635*0.05					Shielding Angle:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3905	3903	3901	3899	3898	3897	3897	3896	3896	3896	3895	3894	3893	3891	3890	3889	3887	3886	3885
5	4054	4051	4047	4043	4037	4030	4021	4012	4001	3990	3977	3963	3947	3931	3913	3893	3873	3852	3831
10	3998	3997	3995	3991	3986	3980	3972	3963	3951	3938	3922	3904	3883	3860	3832	3802	3768	3733	3696
15	3705	3705	3704	3701	3697	3692	3685	3676	3666	3654	3641	3626	3607	3584	3555	3519	3480	3436	3389
20	3210	3211	3210	3205	3198	3188	3175	3160	3141	3120	3097	3071	3041	3006	2964	2915	2862	2805	2746
25	2560	2554	2545	2532	2515	2496	2474	2448	2417	2380	2337	2288	2233	2170	2096	2011	1923	1834	1747
30	1729	1715	1691	1659	1617	1563	1496	1424	1348	1272	1200	1131	1066	1007	958	919	887	863	844
35	493	467	443	422	404	387	372	360	351	346	348	354	362	372	383	394	406	418	430
40	19.7	20.8	23.0	26.3	30.6	36.4	43.4	51.2	59.5	68.2	77.1	85.9	94.3	102	107	111	114	117	121
45	4.33	4.27	4.34	4.53	4.85	5.34	5.98	6.71	7.49	8.30	9.30	10.2	11.0	11.5	11.2	10.1	8.94	7.91	7.18
50	1.99	1.99	2.02	2.06	2.11	2.21	2.35	2.48	2.59	2.66	2.59	2.48	2.35	2.21	2.09	2.00	1.93	1.88	1.84
55	1.07	1.06	1.06	1.07	1.09	1.13	1.19	1.24	1.29	1.32	1.28	1.22	1.15	1.07	1.02	0.99	0.97	0.95	0.95
60	0.48	0.49	0.49	0.51	0.52	0.55	0.59	0.62	0.65	0.66	0.62	0.57	0.52	0.46	0.43	0.41	0.40	0.40	0.40
65	0.23	0.21	0.19	0.18	0.18	0.19	0.22	0.25	0.28	0.29	0.26	0.22	0.18	0.15	0.13	0.14	0.16	0.18	0.20
70	0.19	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.15	0.14	0.13	0.13	0.14	0.14	0.15	0.15
75	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.14	0.13	0.13	0.13	0.14	0.14	0.14
80	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13
85	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12
90	5.52	5.19	0.15	5.58	5.14	5.75	5.75	5.70	5.63	5.54	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.11	0.11
95	15.3	15.0	15.3	16.1	17.6	20.0	23.1	26.6	30.4	34.2	38.1	41.8	45.0	47.7	49.3	49.8	49.4	48.1	45.7
100	200	201	202	202	203	204	205	206	206	206	202	197	192	187	186	188	189	190	189
105	445	442	440	439	438	438	440	441	440	431	422	413	405	404	409	414	417	417	417
110	713	710	707	706	705	706	710	713	714	713	697	680	663	648	647	658	670	681	687
115	985	980	976	973	972	975	981	986	989	988	970	950	931	914	914	929	946	961	970
120	1243	1238	1235	1233	1232	1234	1238	1242	1244	1243	1227	1208	1190	1175	1174	1186	1200	1213	1222
125	1483	1478	1475	1473	1471	1472	1474	1476	1477	1475	1462	1447	1433	1421	1419	1426	1436	1444	1449
130	1697	1693	1689	1686	1684	1683	1685	1686	1686	1685	1675	1665	1655	1646	1644	1648	1653	1658	1661
135	1887	1882	1878	1875	1872	1872	1872	1873	1873	1872	1866	1860	1853	1848	1846	1848	1851	1853	1854
140	2056	2050	2046	2042	2039	2038	2038	2038	2039	2038	2035	2031	2027	2023	2022	2023	2024	2025	2025
145	2203	2196	2191	2187	2184	2183	2183	2183	2184	2184	2182	2180	2177	2175	2174	2174	2174	2174	2173
150	2329	2322	2317	2312	2309	2307	2307	2308	2309	2309	2308	2306	2305	2303	2302	2301	2301	2300	2299
155	2434	2427	2421	2417	2413	2411	2411	2412	2413	2414	2413	2411	2410	2409	2408	2407	2407	2406	2405
160	2521	2513	2507	2502	2498	2496	2496	2496	2497	2498	2498	2497	2496	2494	2493	2493	2492	2492	2491
165	2587	2579	2573	2568	2564	2563	2562	2563	2564	2565	2565	2564	2563	2563	2562	2562	2561	2561	2561
170	2636	2629	2622	2617	2613	2611	2611	2612	2613	2614	2614	2614	2614	2614	2613	2613	2613	2613	2613
175	2666	2658	2651	2645	2641	2639	2639	2640	2641	2642	2642	2643	2643	2643	2643	2644	2644	2644	2645
180	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*3	SERIAL No.:
MFR.: AS42216083-02	SUR.:0.635*0.05	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3884	3882	3881	3880	3879	3878	3877	3876	3875	3873	3871	3869	3869	3873	3881	3890	3898	3905	3905
5	3810	3789	3768	3747	3727	3708	3689	3672	3656	3642	3629	3620	3613	3611	3615	3621	3629	3637	3642
10	3657	3617	3576	3536	3495	3456	3417	3381	3347	3317	3291	3268	3251	3241	3238	3241	3247	3257	3267
15	3339	3287	3233	3178	3122	3064	3008	2954	2903	2858	2819	2785	2758	2740	2732	2732	2738	2751	2768
20	2685	2623	2560	2497	2433	2370	2309	2251	2199	2157	2122	2093	2070	2055	2046	2044	2049	2059	2073
25	1671	1601	1536	1478	1427	1385	1349	1320	1296	1282	1273	1268	1266	1265	1265	1266	1268	1272	1274
30	835	830	828	830	830	830	831	832	833	834	835	837	839	840	842	842	844	846	847
35	442	453	463	472	481	488	494	500	505	510	514	517	520	523	526	528	529	530	530
40	128	136	146	156	168	181	193	205	216	224	230	234	237	237	234	230	227	224	227
45	7.23	7.90	9.32	11.6	16.0	22.3	28.8	34.8	39.8	40.6	39.9	38.1	35.3	31.4	26.6	22.1	18.4	15.9	18.5
50	1.81	1.80	1.84	1.92	2.14	2.47	2.81	3.11	3.34	3.22	3.02	2.78	2.51	2.30	2.17	2.07	2.00	1.98	1.96
55	0.94	0.93	0.94	0.96	1.02	1.10	1.18	1.26	1.32	1.30	1.26	1.21	1.15	1.10	1.06	1.02	1.00	1.00	1.04
60	0.38	0.38	0.38	0.39	0.42	0.48	0.54	0.59	0.64	0.62	0.60	0.56	0.52	0.48	0.43	0.40	0.38	0.37	0.41
65	0.18	0.17	0.15	0.14	0.15	0.18	0.21	0.24	0.27	0.27	0.26	0.25	0.24	0.23	0.23	0.23	0.23	0.23	0.23
70	0.15	0.15	0.14	0.14	0.14	0.14	0.15	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.21	0.21	0.21	0.20
75	0.14	0.14	0.14	0.13	0.13	0.14	0.14	0.14	0.15	0.16	0.16	0.17	0.18	0.19	0.19	0.19	0.20	0.20	0.19
80	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.18	0.19	0.20	0.19
85	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.16	0.17	0.19	0.22	0.24	0.25	0.24
90	0.12	0.13	0.13	0.14	0.15	0.14	0.14	0.14	4.15	0.14	0.14	0.15	0.16	0.18	0.20	0.23	0.26	4.31	0.26
95	40.8	35.3	29.4	23.6	19.0	15.6	12.8	10.7	9.19	8.63	8.52	8.73	9.14	9.41	9.48	9.52	9.51	9.44	9.12
100	180	169	158	146	137	131	126	120	115	105	95.5	86.1	77.7	72.4	70.1	69.2	69.3	69.9	68.7
105	400	380	359	341	334	339	347	355	362	357	350	342	332	325	319	314	310	308	309
110	666	641	615	591	583	591	602	615	626	622	615	606	598	592	590	589	588	588	586
115	947	919	889	862	851	858	869	882	893	890	884	877	870	866	865	865	865	864	861
120	1202	1179	1154	1131	1122	1127	1135	1145	1154	1151	1145	1139	1132	1128	1127	1126	1125	1124	1120
125	1436	1419	1402	1385	1378	1381	1386	1391	1397	1394	1390	1384	1379	1376	1374	1373	1372	1370	1366
130	1652	1640	1628	1617	1611	1612	1613	1615	1617	1615	1611	1607	1603	1601	1600	1600	1599	1598	1593
135	1848	1840	1831	1823	1819	1817	1817	1817	1817	1813	1810	1806	1803	1802	1802	1802	1802	1801	1796
140	2020	2015	2009	2003	1999	1997	1996	1995	1993	1990	1987	1983	1981	1979	1979	1980	1980	1979	1974
145	2170	2166	2162	2158	2155	2153	2152	2150	2149	2146	2143	2140	2138	2137	2137	2137	2137	2136	2131
150	2297	2294	2292	2289	2287	2286	2284	2283	2282	2280	2277	2275	2273	2272	2273	2273	2273	2272	2267
155	2404	2402	2400	2398	2397	2396	2395	2394	2393	2392	2391	2389	2388	2388	2389	2389	2389	2388	2383
160	2490	2490	2489	2488	2487	2487	2486	2486	2485	2485	2484	2483	2482	2483	2484	2485	2485	2484	2479
165	2560	2560	2559	2559	2558	2558	2558	2558	2558	2557	2557	2556	2557	2558	2559	2560	2559	2554	
170	2613	2613	2612	2612	2612	2613	2613	2613	2613	2613	2613	2613	2613	2613	2615	2616	2616	2615	2610
175	2645	2645	2645	2646	2646	2647	2647	2648	2648	2649	2649	2650	2650	2651	2653	2655	2655	2654	2649
180	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1056*64*3					SERIAL No.:				
MFR.: AS42216083-02									SUR.:0.635*0.05					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3904	3902	3899	3897	3897	3896	3896	3896	3895	3894	3893	3891	3890	3889	3887	3886	3885	3884	3882
5	3646	3651	3658	3667	3678	3691	3706	3721	3736	3753	3769	3787	3805	3824	3843	3861	3879	3895	3910
10	3281	3298	3318	3343	3372	3403	3437	3473	3508	3544	3581	3618	3655	3693	3729	3764	3796	3823	3847
15	2792	2821	2856	2899	2948	3001	3057	3114	3169	3224	3278	3331	3381	3428	3472	3512	3548	3576	3600
20	2094	2121	2154	2198	2251	2309	2370	2435	2498	2561	2624	2687	2751	2814	2874	2930	2981	3021	3055
25	1277	1284	1294	1310	1332	1359	1393	1435	1488	1548	1615	1688	1769	1859	1949	2038	2122	2189	2250
30	848	849	851	852	853	855	857	858	857	857	859	866	878	898	925	957	997	1050	1108
35	530	528	526	525	523	520	517	514	509	503	496	488	478	466	454	440	427	411	397
40	231	235	238	238	236	232	226	220	212	203	193	183	173	162	151	140	129	119	110
45	22.5	27.3	32.5	37.5	41.9	45.3	47.4	47.6	41.8	34.6	26.7	18.9	13.6	11.2	9.70	9.01	8.89	8.82	9.02
50	2.00	2.09	2.25	2.60	3.13	3.64	4.09	4.39	4.11	3.69	3.20	2.69	2.34	2.17	2.07	2.03	2.03	2.07	2.15
55	1.09	1.16	1.22	1.28	1.33	1.36	1.39	1.41	1.40	1.38	1.35	1.31	1.26	1.20	1.14	1.09	1.06	1.09	1.14
60	0.47	0.53	0.59	0.63	0.65	0.66	0.67	0.67	0.68	0.68	0.68	0.67	0.64	0.58	0.53	0.48	0.45	0.48	0.53
65	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.26	0.24	0.23	0.22	0.23	0.25
70	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20
75	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18
80	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
85	0.22	0.20	0.18	0.17	0.17	0.17	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.16
90	0.25	0.23	0.21	0.20	0.20	0.20	0.20	0.21	0.20	0.19	0.18	0.17	0.16	0.16	0.16	0.16	3.37	3.62	3.92
95	8.75	8.37	8.01	7.56	7.09	6.88	7.04	7.70	9.75	12.3	15.2	18.4	21.7	25.1	28.3	31.3	33.9	35.6	36.8
100	68.0	68.4	70.0	74.7	82.3	91.0	100	109	115	121	127	132	138	146	152	158	163	161	159
105	312	315	319	323	327	330	333	335	332	330	328	327	334	346	360	372	383	377	370
110	585	584	583	584	586	588	589	590	584	578	573	571	578	594	612	628	641	632	621
115	857	853	850	850	853	856	858	860	852	844	837	833	841	860	881	901	916	908	895
120	1116	1112	1109	1109	1113	1117	1120	1122	1114	1105	1098	1094	1102	1121	1142	1161	1177	1170	1160
125	1362	1358	1356	1355	1358	1361	1364	1366	1360	1353	1348	1344	1350	1365	1381	1396	1410	1407	1401
130	1588	1584	1580	1579	1581	1583	1586	1588	1584	1580	1577	1576	1580	1589	1600	1611	1620	1621	1621
135	1791	1786	1781	1779	1781	1782	1785	1787	1786	1784	1784	1784	1787	1794	1801	1808	1815	1818	1821
140	1968	1963	1958	1956	1957	1959	1961	1964	1964	1965	1965	1967	1970	1975	1980	1986	1991	1995	1998
145	2126	2120	2115	2113	2113	2115	2117	2119	2120	2122	2124	2126	2129	2132	2136	2140	2144	2148	2151
150	2262	2256	2251	2249	2249	2250	2252	2254	2256	2257	2259	2262	2264	2266	2269	2272	2275	2279	2282
155	2378	2372	2366	2364	2363	2364	2365	2367	2369	2371	2373	2375	2377	2379	2381	2383	2385	2388	2392
160	2473	2467	2461	2458	2457	2458	2459	2461	2462	2464	2465	2467	2469	2470	2471	2473	2475	2478	2481
165	2547	2541	2535	2532	2531	2532	2533	2535	2536	2537	2538	2540	2541	2542	2543	2545	2546	2549	2551
170	2604	2597	2591	2588	2588	2588	2589	2591	2592	2593	2594	2595	2596	2597	2598	2600	2601	2603	2605
175	2643	2636	2630	2626	2626	2627	2628	2629	2630	2631	2632	2633	2633	2634	2635	2636	2638	2639	2641
180	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.79V I:0.3289A P:73.812W PF:0.9766 Freq:49.99Hz Lamp Flux:9929.1x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1056*64*3						SERIAL No.:		
MFR.: AS42216083-02									SUR.:0.635*0.05						Shielding Angle:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	3881	3880	3879	3878	3877	3876	3875	3873	3871	3869	3869	3872	3877	3884	3894				
5	3924	3937	3949	3960	3970	3979	3988	3993	3998	4003	4008	4015	4023	4032	4043				
10	3868	3887	3903	3917	3929	3939	3947	3951	3954	3956	3958	3963	3970	3978	3987				
15	3619	3635	3649	3659	3668	3673	3677	3676	3675	3673	3672	3674	3679	3685	3694				
20	3084	3109	3131	3150	3166	3178	3186	3188	3188	3187	3185	3186	3190	3195	3202				
25	2304	2352	2394	2431	2463	2489	2509	2519	2526	2529	2531	2534	2540	2547	2553				
30	1171	1238	1307	1378	1448	1513	1571	1612	1645	1672	1692	1708	1721	1728	1731				
35	384	375	372	377	385	396	409	423	439	454	468	479	486	490	493				
40	102	93.3	85.1	77.0	69.2	61.6	54.3	46.5	39.1	32.4	26.7	22.4	19.9	18.5	18.5				
45	9.36	9.74	9.86	9.67	9.37	8.97	8.48	7.77	7.03	6.28	5.59	5.05	4.70	4.46	4.34				
50	2.24	2.36	2.49	2.64	2.77	2.88	2.94	2.86	2.74	2.59	2.43	2.30	2.21	2.12	2.05				
55	1.19	1.25	1.30	1.34	1.36	1.38	1.39	1.38	1.36	1.34	1.30	1.26	1.22	1.18	1.12				
60	0.58	0.64	0.67	0.68	0.68	0.68	0.68	0.68	0.69	0.69	0.68	0.66	0.63	0.59	0.54				
65	0.27	0.28	0.29	0.29	0.28	0.27	0.27	0.27	0.28	0.29	0.29	0.29	0.28	0.27	0.25				
70	0.20	0.20	0.20	0.21	0.22	0.23	0.24	0.24	0.23	0.23	0.22	0.21	0.21	0.20	0.19				
75	0.18	0.18	0.18	0.19	0.20	0.21	0.22	0.22	0.21	0.21	0.20	0.20	0.19	0.18	0.18				
80	0.17	0.17	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.20	0.19	0.19	0.18	0.18	0.17				
85	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.18	0.18	0.17				
90	4.22	4.52	0.16	0.16	0.16	0.16	5.03	0.17	0.17	0.18	0.18	0.18	0.18	0.17	0.16				
95	37.5	37.6	37.0	35.7	33.9	31.8	29.4	26.5	23.6	20.7	18.2	16.3	15.3	14.8	14.8				
100	157	155	158	165	173	181	189	193	196	198	199	200	201	201	201				
105	362	356	360	374	389	405	421	426	429	431	432	433	436	439	442				
110	610	601	605	622	643	664	684	692	697	701	702	705	707	710	712				
115	882	872	875	892	913	935	955	963	968	970	972	974	977	980	983				
120	1148	1139	1141	1155	1173	1192	1210	1218	1224	1228	1231	1234	1237	1240	1242				
125	1395	1391	1393	1404	1417	1430	1444	1452	1459	1465	1470	1475	1478	1480	1482				
130	1620	1620	1623	1630	1638	1647	1656	1664	1671	1678	1684	1689	1692	1695	1696				
135	1823	1825	1828	1833	1838	1843	1849	1856	1862	1869	1875	1879	1883	1885	1887				
140	2001	2004	2007	2010	2014	2017	2021	2027	2032	2038	2043	2047	2050	2053	2055				
145	2155	2159	2162	2165	2168	2170	2174	2178	2182	2187	2191	2195	2197	2200	2201				
150	2286	2290	2293	2296	2298	2301	2304	2307	2311	2315	2318	2321	2324	2326	2327				
155	2395	2399	2402	2404	2407	2409	2412	2415	2419	2422	2425	2428	2430	2432	2433				
160	2485	2488	2491	2493	2495	2498	2500	2503	2506	2509	2511	2514	2516	2518	2519				
165	2554	2557	2559	2562	2564	2566	2568	2571	2574	2576	2579	2581	2583	2584	2586				
170	2607	2610	2612	2614	2615	2617	2619	2622	2624	2626	2628	2630	2632	2634	2635				
175	2642	2644	2645	2647	2648	2650	2651	2653	2654	2656	2658	2659	2661	2663	2664				
180	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671	2671				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:1.700m [K=5.8824]
Remarks: