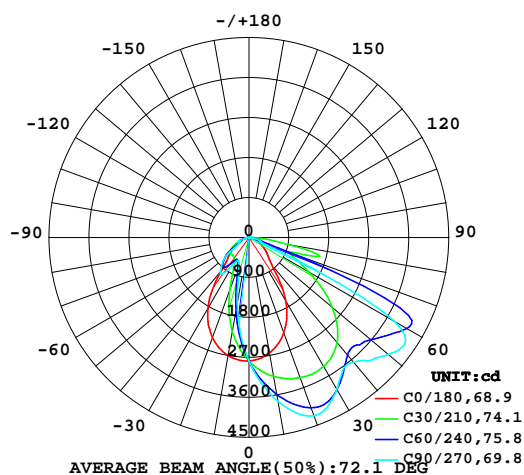


## LUMINAIRE PHOTOMETRIC TEST REPORT

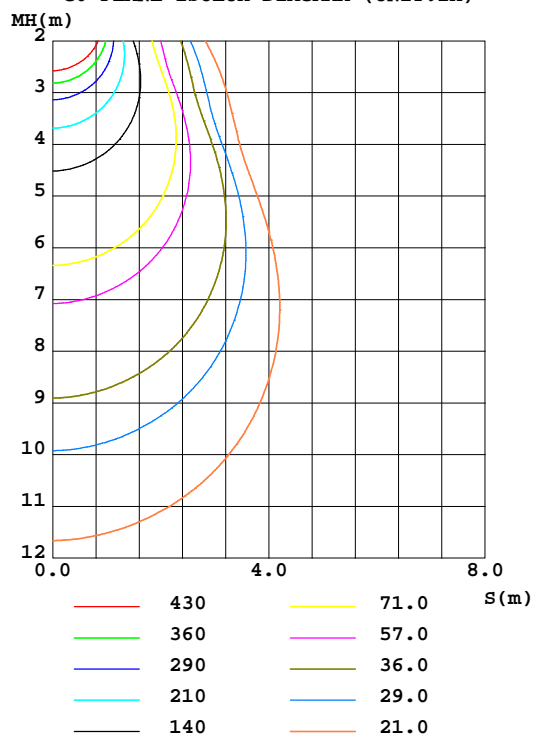
Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 167.28 lm/W			
MODEL		I <sub>max</sub> (cd)	4281	S/MH(C0/180)	1.04
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH(C90/270)	0.37
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	7577.5	h UP,DN(C0-180)	0.2,80.0
NOMINAL FLUX(lm)	7577.48	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.3,19.4
LAMPS INSIDE	1	h up(%)	0.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.4	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

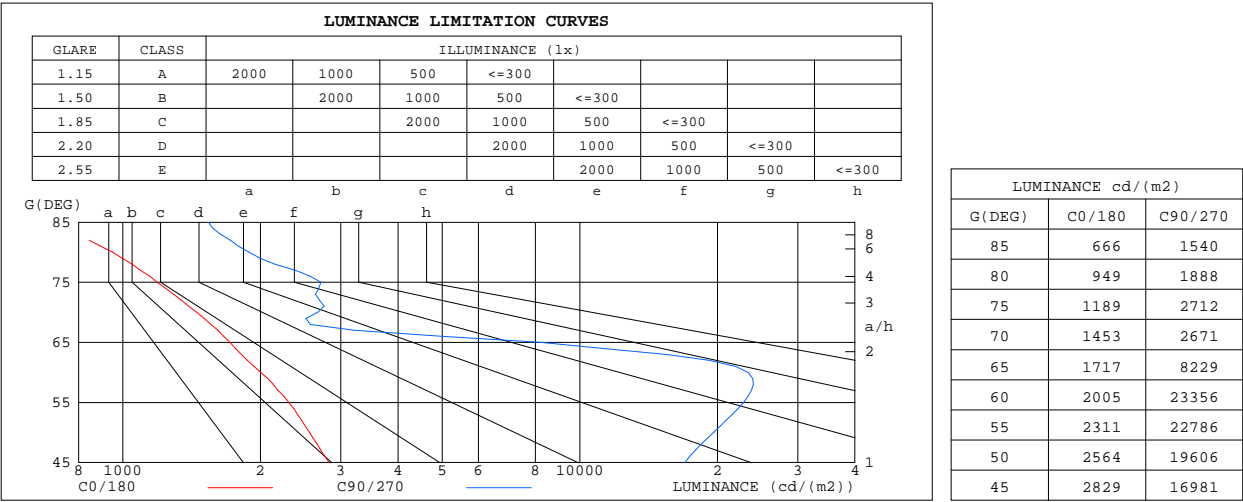
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	2642	3392	3737	3435	2702	1895	1527	1846	0- 10	259.0	259.0	3.42,3.42
20	2287	3777	4271	3854	2402	891.3	660.4	869.8	10- 20	706.9	965.9	12.7,12.7
30	1664	3826	3950	3961	1853	591.7	693.4	593.6	20- 30	1037	2003	26.4,26.4
40	795.6	3373	3663	3514	969.1	668.8	1001	729.8	30- 40	1254	3257	43,43
50	516.9	2891	4096	2985	561.6	688.8	711.6	725.6	40- 50	1383	4640	61.2,61.2
60	314.4	3023	3796	3126	346.5	395.5	259.0	399.4	50- 60	1409	6048	79.8,79.8
70	155.8	3288	296.9	3411	175.6	154.0	265.9	162.1	60- 70	1023	7071	93.3,93.3
80	51.70	408.1	106.6	408.7	61.99	63.48	35.25	67.12	70- 80	390.8	7462	98.5,98.5
90	1.467	11.78	9.667	11.52	0.8588	2.601	2.724	3.141	80- 90	73.68	7535	99.4,99.4
100	2.629	1.871	1.707	2.103	1.066	3.489	4.441	3.762	90-100	2.785	7538	99.5,99.5
110	4.554	2.759	2.736	3.032	1.855	4.996	5.609	4.842	100-110	3.332	7542	99.5,99.5
120	6.990	3.479	3.950	3.798	3.026	7.301	7.455	6.851	110-120	4.456	7546	99.6,99.6
130	9.520	4.155	4.324	4.542	4.464	11.73	11.05	8.454	120-130	5.542	7552	99.7,99.7
140	11.86	5.843	4.743	6.193	6.324	15.54	15.47	12.44	130-140	6.447	7558	99.7,99.7
150	13.64	9.027	7.231	9.370	8.500	16.72	20.23	14.90	140-150	6.886	7565	99.8,99.8
160	14.72	12.99	11.99	13.20	10.90	18.39	21.00	17.12	150-160	6.290	7571	99.9,99.9
170	15.03	16.43	17.25	16.40	13.11	19.44	21.89	18.72	160-170	4.594	7576	100,100
180	14.44	18.54	20.51	17.98	14.45	18.56	20.51	17.97	170-180	1.689	7577	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



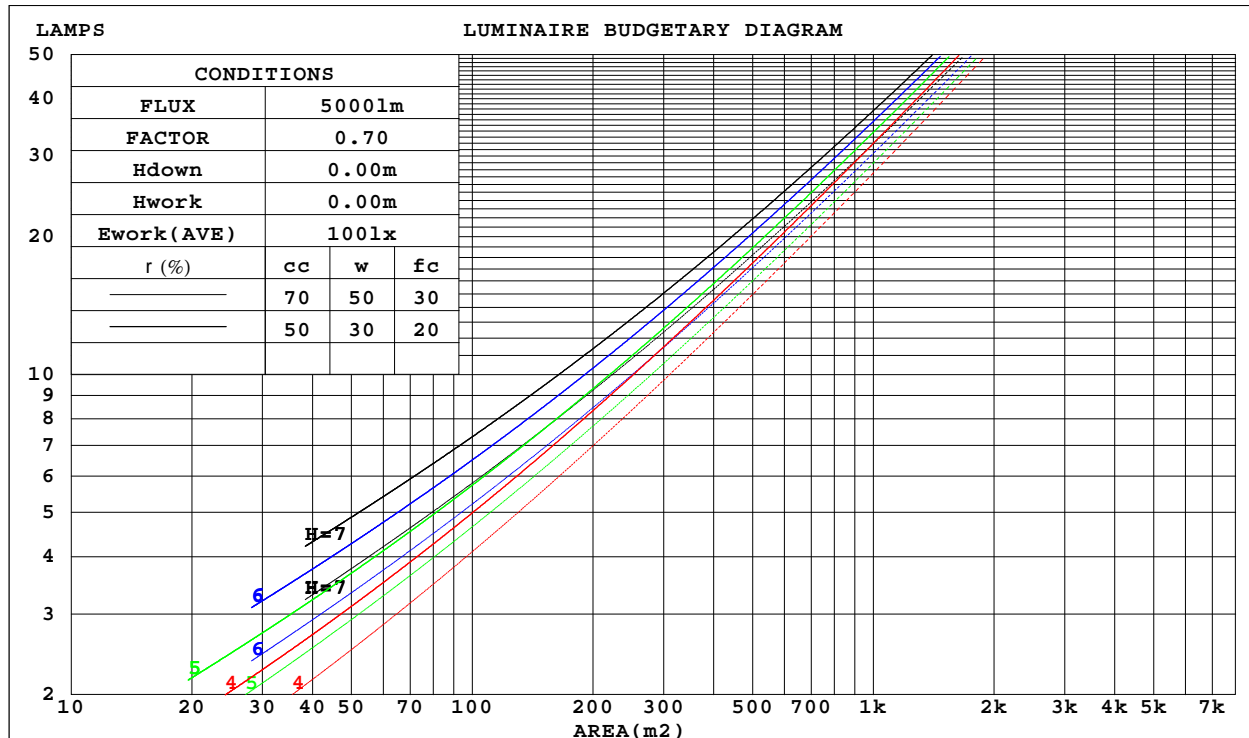
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r 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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.99
1.0	1.04	1.00	.97	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.79	.89	.83	.78	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.62	.55	.69	.61	.54	.66	.59	.54	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.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	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Richard  
Test Date: 2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity: 65.0%  
Test Distance: 8.930m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.297	.169	.053	.290	.165	.052	.276	.158	.051	.264	.152	.049	.252	.146	.047	
2.0	.285	.156	.048	.279	.154	.047	.267	.148	.046	.256	.144	.045	.246	.139	.044	
3.0	.267	.142	.043	.261	.140	.042	.251	.136	.041	.241	.132	.041	.232	.128	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.111	.033	.202	.108	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.195	.102	.030	.189	.099	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.075	.021	.148	.074	.021	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.195	.195	.195	.166	.166	.166	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.184	.161	.140	.157	.138	.120	.107	.095	.083	.062	.055	.048	.020	.018	.016	
2.0	.176	.136	.103	.150	.117	.089	.103	.081	.062	.059	.047	.036	.019	.015	.012	
3.0	.168	.119	.079	.144	.102	.069	.099	.071	.048	.057	.042	.028	.018	.013	.009	
4.0	.161	.105	.063	.138	.091	.055	.095	.063	.038	.055	.037	.023	.018	.012	.007	
5.0	.154	.095	.052	.132	.082	.045	.091	.057	.032	.053	.034	.019	.017	.011	.006	
6.0	.147	.087	.043	.126	.075	.038	.087	.052	.027	.050	.031	.016	.016	.010	.005	
7.0	.140	.080	.038	.120	.069	.033	.083	.048	.023	.048	.029	.014	.016	.009	.005	
8.0	.134	.074	.033	.115	.064	.029	.080	.045	.020	.046	.027	.012	.015	.009	.004	
9.0	.127	.069	.030	.110	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.122	.065	.027	.105	.056	.023	.073	.040	.017	.042	.023	.010	.014	.008	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm											
NAME: XWPD(30/45/63)W(30/40/50)W						TYPE:		WEIGHT:			
SPEC.: 4000K						DIM.:		SERIAL No.:			
MFR.:						SUR.:		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	12H	12.9	14.4	13.3	14.4	14.7	20.0	21.1	20.3	21.4	21.8
	8H	12.9	14.2	13.3	14.4	14.7	20.0	21.2	20.4	21.5	21.8
	6H	13.0	14.2	13.3	14.5	14.8	20.1	21.3	20.4	21.6	21.9
	4H	13.0	14.4	13.4	14.6	14.9	20.2	21.5	20.5	21.8	22.0
	3H	13.1	14.5	13.4	14.7	14.9	20.3	21.6	20.6	21.9	22.1
	2H	12.9	14.4	13.2	14.6	14.8	20.2	21.7	20.5	22.0	22.2
4H	12H	18.4	19.2	18.9	19.6	20.0	21.0	21.8	21.4	22.2	22.6
	8H	18.5	19.3	18.9	19.7	20.1	21.0	21.9	21.5	22.3	22.7
	6H	18.5	19.4	18.9	19.8	20.2	21.1	22.0	21.5	22.4	22.8
	4H	18.4	19.5	18.8	19.8	20.2	21.2	22.2	21.5	22.5	22.9
	3H	17.9	19.1	18.3	19.4	19.7	21.2	22.4	21.6	22.7	23.0
	2H	17.0	18.4	17.4	18.6	18.9	21.0	22.3	21.3	22.6	22.9
8H	12H	20.0	20.5	20.5	21.0	21.5	21.3	21.9	21.8	22.3	22.8
	8H	20.0	20.6	20.4	21.0	21.5	21.4	22.0	21.8	22.4	22.9
	6H	19.9	20.6	20.3	21.0	21.5	21.4	22.1	21.8	22.5	22.9
	4H	19.4	20.2	19.8	20.6	21.0	21.4	22.3	21.8	22.7	23.1
12H	8H	20.1	20.6	20.5	21.1	21.5	21.4	21.9	21.9	22.4	22.9
	6H	19.9	20.5	20.4	21.0	21.4	21.4	22.1	21.9	22.5	23.0
	4H	19.3	20.1	19.8	20.5	20.9	21.4	22.2	21.9	22.6	23.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.3 / - 0.3					+ 0.4 / - 0.5				
1.5H		+ 0.4 / - 0.4					+ 1.2 / - 1.5				
2.0H		+ 1.0 / - 2.0					+ 2.2 / - 3.5				

CIE Pub.117, 7577 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.0)  
Area: 0.3224 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

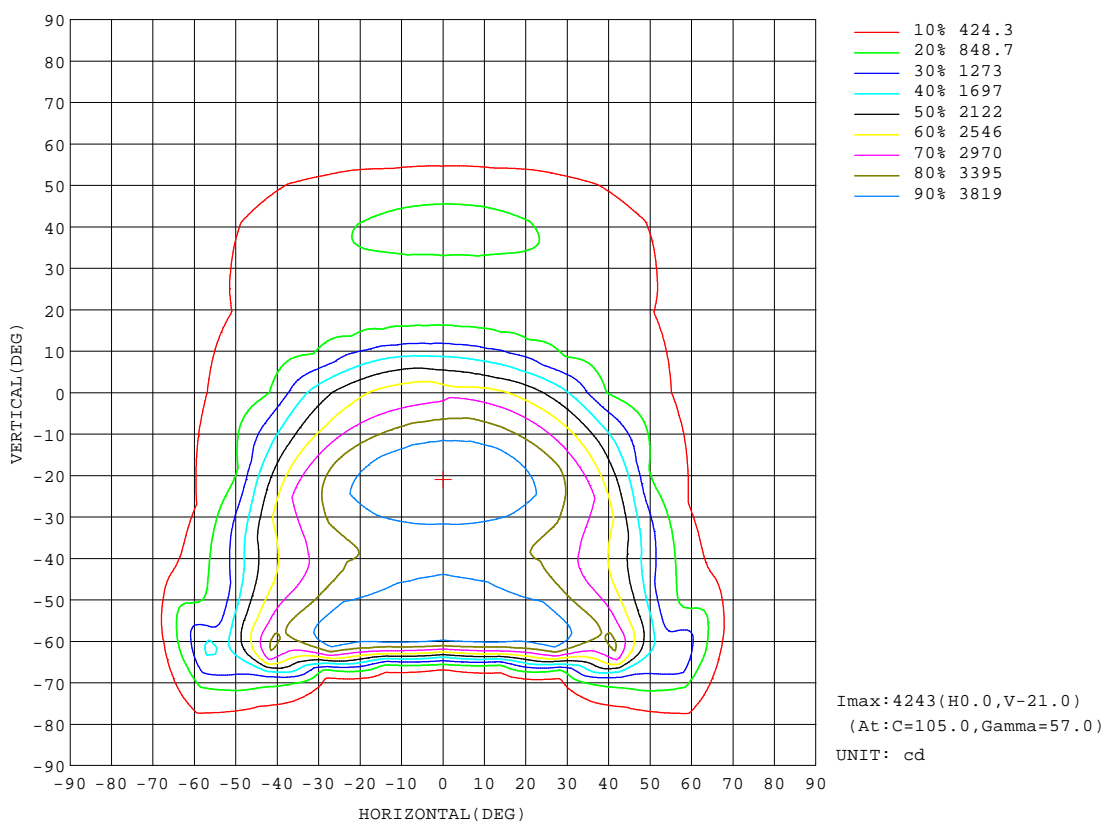
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	44	37	30
0.80	67	55	47	66	54	47	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	56
1.50	88	78	71	86	77	71	83	75	69	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	85	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	107	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	96	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Richard  
 Test Date: 2024-06-20

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
 Humidity: 65.0%  
 Test Distance: 8.930m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Richard  
Test Date: 2024-06-20

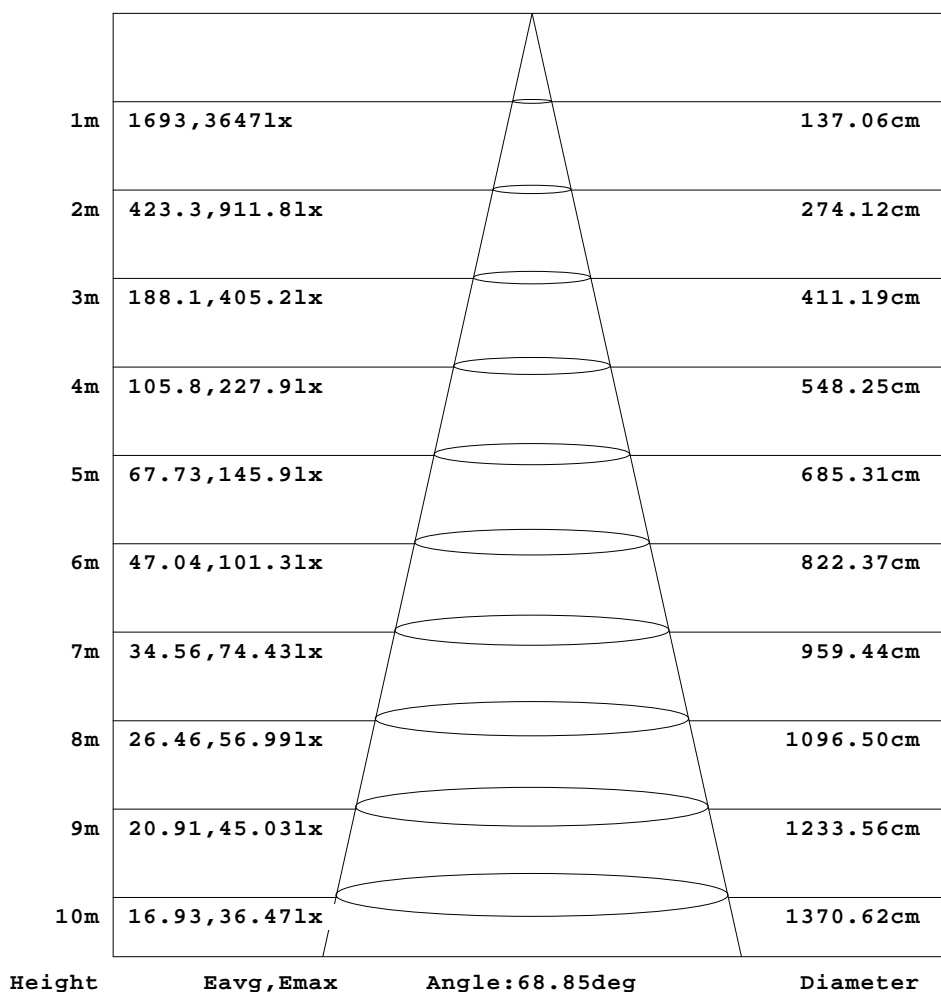
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity: 65.0%  
Test Distance: 8.930m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:2608 lm



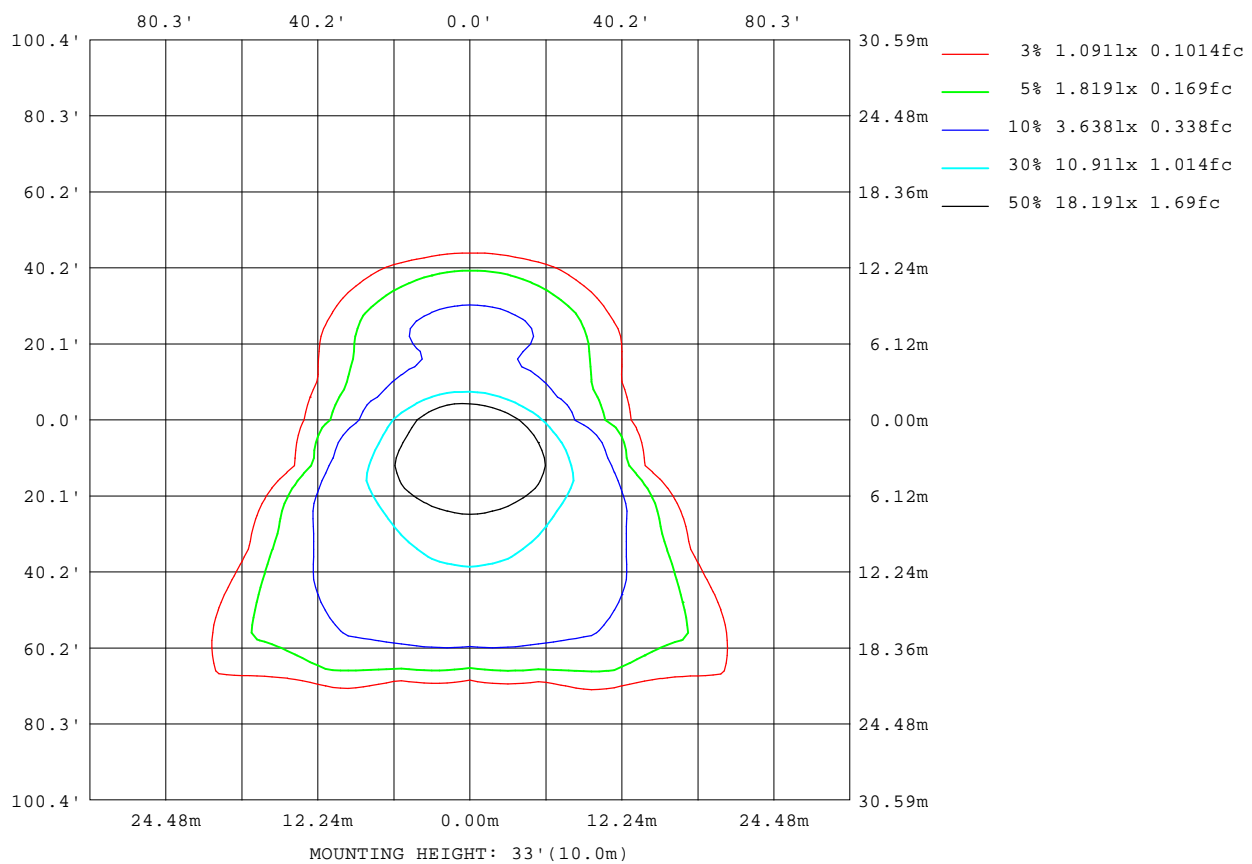
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Richard  
 Test Date:2024-06-20

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
 Humidity:65.0%  
 Test Distance:8.930m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Richard  
Test Date: 2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity: 65.0%  
Test Distance: 8.930m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

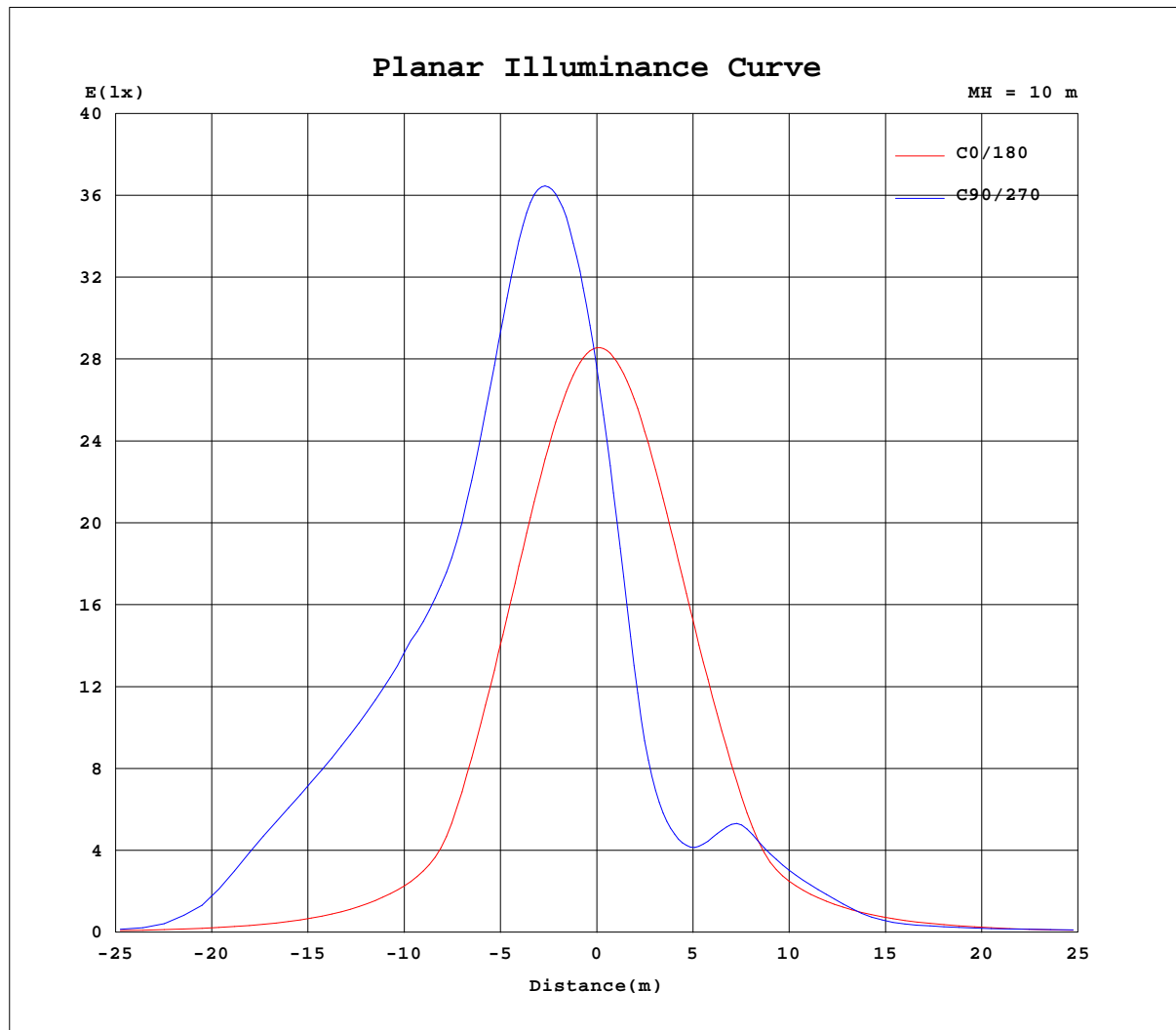
AvgL	cd/m2
L_0~180(65)av	1758
L_0~180(75)av	1244
L_0~180(85)av	753
L_90~270(65)av	5009
L_90~270(75)av	1943
L_90~270(85)av	809
L_45(65)av	12976
L_45(75)av	7628
L_45(85)av	2345

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Richard  
Test Date: 2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity: 65.0%  
Test Distance: 8.930m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780	2780
5	2739	2878	3004	3119	3213	3270	3295	3278	3225	3142	3022	2891	2765	2634	2500	2373	2276	2207	2191
10	2642	2925	3173	3392	3588	3677	3737	3699	3603	3435	3212	2947	2702	2422	2159	1895	1699	1559	1527
15	2496	2920	3287	3609	3879	4008	4080	4041	3915	3671	3347	2951	2581	2158	1746	1347	1098	964	942
20	2287	2859	3357	3777	4079	4205	4271	4251	4135	3854	3432	2900	2402	1827	1271	891	759	676	660
25	2011	2745	3384	3861	4113	4169	4196	4220	4193	3965	3471	2790	2164	1419	866	694	601	573	576
30	1664	2568	3356	3826	3958	3951	3950	4004	4045	3961	3457	2614	1853	981	688	592	574	649	693
35	1217	2324	3261	3654	3706	3671	3675	3716	3787	3796	3377	2368	1452	734	600	565	721	895	970
40	796	2007	3086	3373	3455	3569	3663	3606	3523	3514	3216	2050	969	618	551	669	880	981	1001
45	628	1615	2812	3090	3423	3777	3903	3821	3486	3204	2941	1648	690	537	549	732	839	856	868
50	517	1105	2451	2891	3582	3960	4096	4015	3646	2985	2568	1109	562	467	562	689	706	706	712
55	416	608	2021	2857	3830	4169	4248	4243	3915	2947	2120	641	452	393	517	554	540	422	403
60	314	481	1556	3023	4100	4033	3796	4107	4209	3126	1641	512	347	320	418	395	271	250	259
65	228	362	1171	3268	3744	1710	1130	1656	3808	3394	1251	392	252	256	316	202	201	224	235
70	156	265	988	3288	715	288	297	292	678	3411	1106	290	176	180	161	154	193	252	266
75	96.5	171	1648	1125	256	228	228	229	257	1139	1834	184	111	113	107	135	112	98.6	96.1
80	51.7	84.9	873	408	132	115	107	114	130	409	916	88.5	62.0	58.3	72.7	63.5	50.5	37.3	35.2
85	18.2	51.4	298	118	56.2	48.0	43.6	46.6	54.1	114	311	64.1	24.1	23.7	20.4	15.3	5.93	2.33	1.82
90	1.47	1.22	19.1	11.8	10.6	10.7	9.67	10.3	9.68	11.5	22.0	1.39	0.86	1.09	1.75	2.60	3.14	3.05	2.72
95	1.93	1.46	1.50	1.49	1.32	1.24	1.27	1.47	1.69	1.73	1.75	1.69	0.85	1.50	2.19	2.99	3.59	3.80	3.94
100	2.63	1.80	1.84	1.87	1.75	1.68	1.71	1.88	2.05	2.10	2.10	2.06	1.07	2.08	2.76	3.49	3.96	4.17	4.44
105	3.51	2.20	2.20	2.30	2.23	2.13	2.16	2.31	2.52	2.55	2.52	2.50	1.39	2.80	3.52	4.19	4.54	4.64	4.93
110	4.55	2.72	2.62	2.76	2.78	2.71	2.74	2.88	3.07	3.03	2.95	3.04	1.85	3.67	4.55	5.00	5.35	5.32	5.61
115	5.75	3.43	2.99	3.17	3.32	3.37	3.44	3.52	3.60	3.47	3.35	3.65	2.41	4.57	5.85	6.00	6.39	6.30	6.50
120	6.99	4.36	3.39	3.48	3.68	3.83	3.95	3.98	3.97	3.80	3.79	4.41	3.03	5.57	7.36	7.30	7.47	7.46	7.45
125	8.23	5.49	3.99	3.76	3.91	4.05	4.17	4.21	4.22	4.12	4.36	5.38	3.69	6.53	9.00	9.31	8.85	8.83	8.86
130	9.52	6.75	4.84	4.16	4.11	4.21	4.32	4.37	4.43	4.54	5.11	6.50	4.46	7.34	10.6	11.7	11.0	10.8	11.1
135	10.8	8.10	5.96	4.83	4.44	4.36	4.45	4.54	4.79	5.22	6.13	7.71	5.35	8.04	11.8	13.9	14.0	13.2	13.1
140	11.9	9.52	7.32	5.84	5.11	4.76	4.74	4.96	5.49	6.19	7.43	8.97	6.32	8.83	12.5	15.5	16.7	16.1	15.5
145	12.8	10.9	8.87	7.27	6.27	5.70	5.67	5.96	6.70	7.63	8.93	10.27	7.38	9.78	12.9	16.4	18.6	18.7	18.3
150	13.6	12.2	10.5	9.03	7.96	7.26	7.23	7.54	8.39	9.37	10.5	11.5	8.50	10.8	13.6	16.7	19.3	20.2	20.2
155	14.3	13.3	12.2	11.0	10.1	9.39	9.33	9.68	10.5	11.3	12.0	12.5	9.69	12.0	14.7	17.4	19.6	20.5	20.7
160	14.7	14.2	13.7	13.0	12.5	12.0	12.0	12.3	12.9	13.2	13.5	13.5	10.9	13.2	15.8	18.4	20.2	21.0	21.0
165	15.0	15.0	14.9	14.8	14.8	14.6	14.7	14.8	15.1	14.9	14.7	14.3	12.1	14.4	16.9	19.2	21.0	21.7	21.7
170	15.0	15.5	16.0	16.4	16.9	17.0	17.2	17.2	17.0	16.4	15.7	15.0	13.1	15.2	17.4	19.4	21.1	21.8	21.9
175	14.9	15.7	16.7	17.7	18.6	19.0	19.2	18.9	18.4	17.4	16.3	15.2	13.9	15.6	17.5	19.1	20.6	21.3	21.4
180	14.4	15.8	17.2	18.5	19.8	20.4	20.5	20.1	19.3	18.0	16.7	15.2	14.5	15.8	17.2	18.6	19.8	20.4	20.5

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.3773A P:45.298W PF:0.9957 Freq:59.98Hz Lamp Flux:7577.48x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345													
0	2780	2780	2780	2780	2780													
5	2207	2261	2346	2471	2606													
10	1574	1674	1846	2097	2376													
15	961	1081	1283	1653	2083													
20	677	754	870	1169	1716													
25	579	605	691	834	1280													
30	667	593	594	689	899													
35	919	759	597	615	720													
40	1001	923	730	580	623													
45	876	874	779	603	551													
50	726	732	726	618	487													
55	434	557	578	558	418													
60	256	279	399	445	350													
65	228	208	208	328	279													
70	256	201	162	165	195													
75	102	117	146	114	118													
80	39.2	53.6	67.1	74.9	62.6													
85	2.47	7.50	16.9	22.4	25.4													
90	3.16	3.56	3.14	2.32	1.31													
95	4.25	4.21	3.44	2.57	1.54													
100	4.77	4.55	3.76	2.90	1.86													
105	5.31	4.98	4.22	3.35	2.28													
110	5.95	5.61	4.84	3.93	2.78													
115	6.74	6.42	5.75	4.53	3.31													
120	7.63	7.79	6.85	5.04	3.85													
125	9.53	9.66	7.63	5.81	4.49													
130	11.6	10.8	8.45	6.95	5.06													
135	13.0	12.0	10.4	8.21	5.61													
140	15.2	14.4	12.4	9.26	6.19													
145	17.8	16.6	14.0	10.14	7.07													
150	19.6	17.9	14.9	11.3	8.37													
155	20.1	18.5	15.9	12.9	10.05													
160	20.4	19.1	17.1	14.6	11.9													
165	21.0	19.9	18.3	16.2	13.6													
170	21.3	20.2	18.7	16.9	14.6													
175	20.9	19.9	18.5	16.9	15.0													
180	20.1	19.3	18.0	16.7	15.1													

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks: