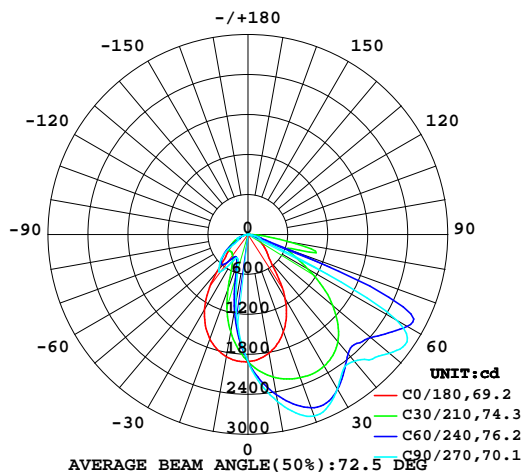


## LUMINAIRE PHOTOMETRIC TEST REPORT

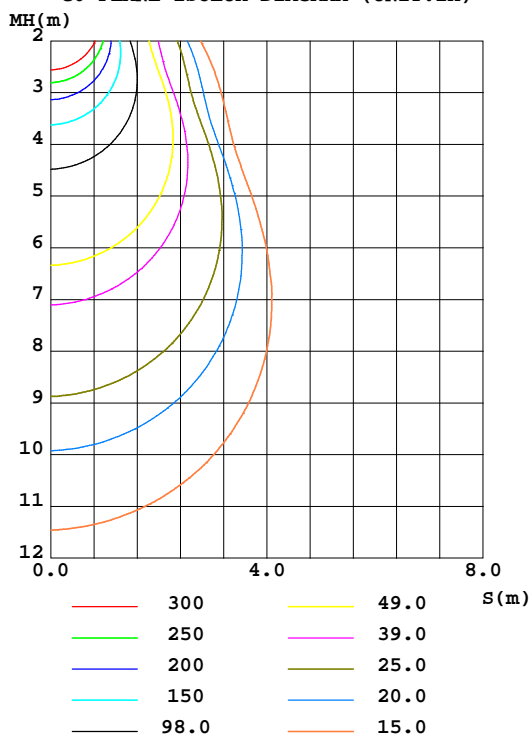
Test:U:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 171.49 lm/W			
MODEL		I <sub>max</sub> (cd)	2914	S/MH(C0/180)	1.06
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.37
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	5165.7	h UP,DN(C0-180)	0.2,79.8
NOMINAL FLUX(lm)	5165.75	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.3,19.6
LAMPS INSIDE	1	h up(%)	0.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.4	CIBSE SHR MAX	1.05

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:

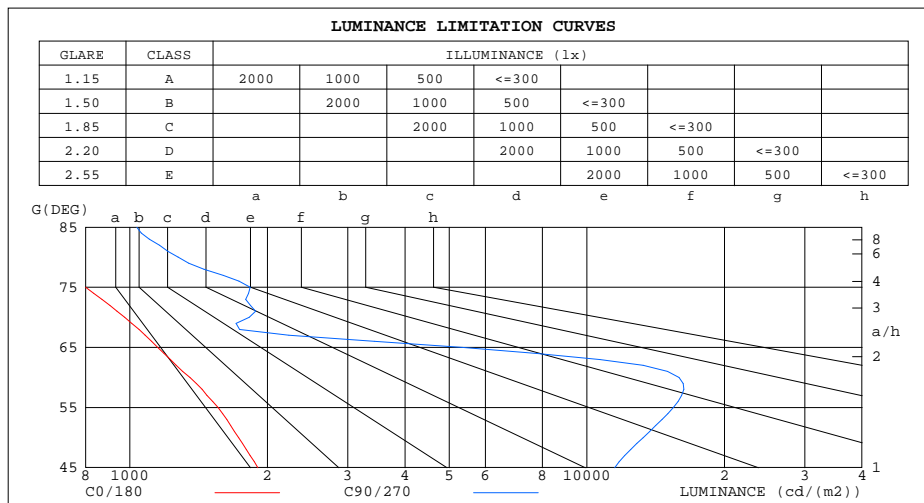
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1810	2321	2541	2355	1863	1313	1055	1271	0- 10	177.8	177.8	3.44,3.44
20	1556	2577	2900	2639	1670	618.5	446.0	596.3	10- 20	484.2	662.0	12.8,12.8
30	1123	2608	2681	2707	1308	402.3	463.0	400.8	20- 30	708.0	1370	26.5,26.5
40	530.8	2315	2482	2409	710.6	444.9	683.8	495.4	30- 40	854.5	2225	43.1,43.1
50	347.6	1970	2772	2048	389.3	470.1	489.3	498.7	40- 50	940.9	3165	61.3,61.3
60	211.5	2034	2585	2158	238.3	277.1	176.6	278.0	50- 60	958.0	4123	79.8,79.8
70	104.2	2246	202.8	2327	122.0	105.6	183.7	111.9	60- 70	697.6	4821	93.3,93.3
80	34.34	290.6	71.96	269.5	43.64	43.75	24.52	46.71	70- 80	265.8	5087	98.5,98.5
90	1.024	7.977	6.442	7.086	0.7881	1.780	1.934	2.201	80- 90	50.05	5137	99.4,99.4
100	1.863	1.308	1.193	1.476	0.7374	2.411	3.103	2.653	90-100	1.916	5139	99.5,99.5
110	3.217	1.901	1.891	2.094	1.258	3.477	3.870	3.391	100-110	2.316	5141	99.5,99.5
120	4.902	2.379	2.714	2.614	2.033	5.075	5.148	4.769	110-120	3.077	5144	99.6,99.6
130	6.631	2.858	2.956	3.123	3.025	8.090	7.611	5.901	120-130	3.817	5148	99.7,99.7
140	8.219	4.067	3.248	4.279	4.294	10.67	10.64	8.656	130-140	4.439	5152	99.7,99.7
150	9.423	6.282	4.959	6.476	5.784	11.46	13.87	10.38	140-150	4.743	5157	99.8,99.8
160	10.13	9.007	8.263	9.113	7.426	12.61	14.38	11.87	150-160	4.328	5161	99.9,99.9
170	10.31	11.34	11.84	11.32	8.949	13.36	14.97	12.96	160-170	3.158	5165	100,100
180	9.885	12.76	14.04	12.42	9.896	12.77	14.04	12.41	170-180	1.160	5166	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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	438	1036
80	633	1276
75	801	1833
70	975	1826
65	1151	5339
60	1354	15924
55	1561	15466
50	1730	13281
45	1908	11503

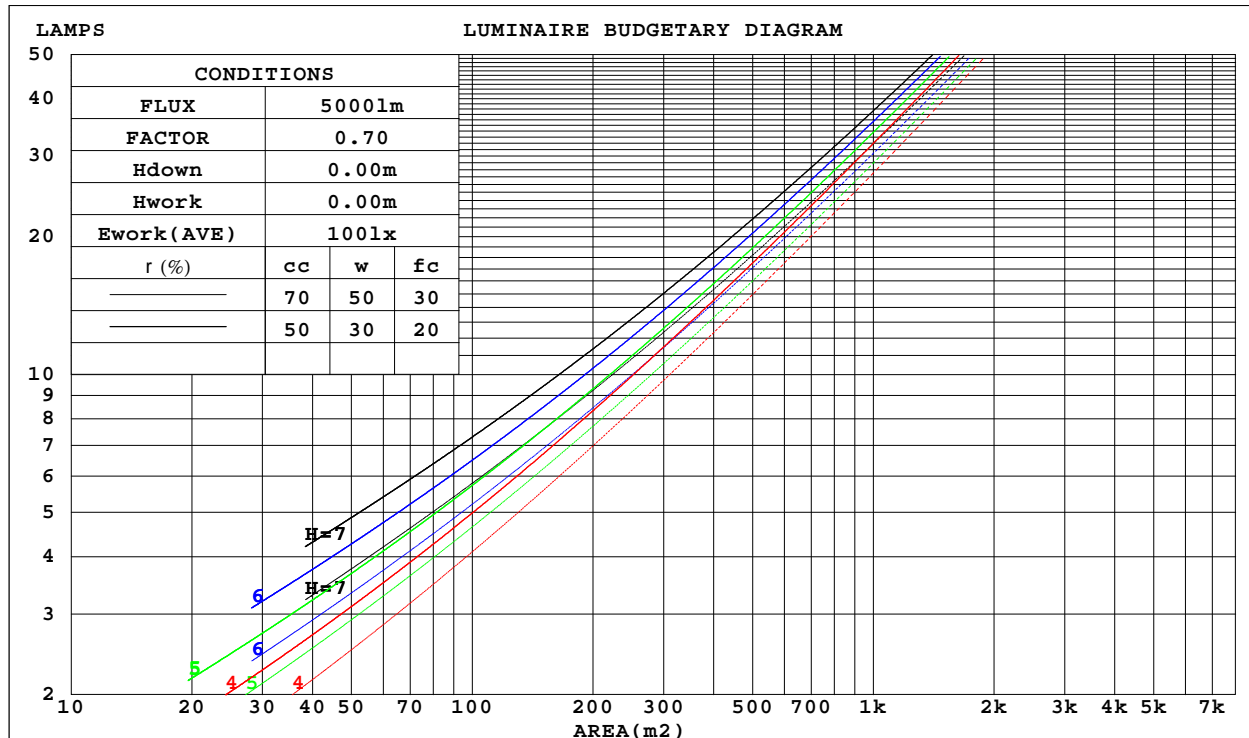
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 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	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 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	.289	.165	.052	.276	.158	.051	.263	.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	.040	.232	.128	.040	
4.0	.248	.129	.038	.243	.127	.038	.233	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.214	.107	.031	.210	.106	.030	.202	.104	.030	.195	.101	.030	.189	.099	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.095	.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	.108	.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	.044	.126	.075	.038	.087	.053	.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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 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	12.8	14.3	13.1	14.6	14.8	20.2	21.7	20.5	21.9	22.2
	8H	13.0	14.4	13.3	14.6	14.9	20.3	21.6	20.6	21.9	22.1
	6H	12.9	14.3	13.3	14.5	14.8	20.2	21.5	20.5	21.8	22.0
	4H	12.9	14.1	13.2	14.4	14.7	20.1	21.3	20.4	21.6	21.9
	3H	12.9	14.1	13.2	14.3	14.7	20.0	21.2	20.4	21.5	21.8
	2H	12.8	14.0	13.2	14.3	14.6	20.0	21.1	20.3	21.4	21.8
4H	12H	17.0	18.3	17.3	18.6	18.8	21.0	22.3	21.3	22.6	22.8
	8H	17.8	18.9	18.1	19.2	19.6	21.2	22.4	21.6	22.7	23.0
	6H	18.3	19.3	18.6	19.6	20.0	21.2	22.2	21.5	22.6	22.9
	4H	18.3	19.3	18.7	19.6	20.0	21.1	22.0	21.5	22.4	22.8
	3H	18.3	19.2	18.7	19.5	19.9	21.1	21.9	21.5	22.3	22.7
	2H	18.2	19.0	18.7	19.4	19.9	21.0	21.8	21.5	22.2	22.6
8H	12H	19.3	20.1	19.7	20.5	20.9	21.4	22.3	21.9	22.7	23.1
	8H	19.8	20.5	20.2	20.9	21.4	21.4	22.1	21.8	22.5	23.0
	6H	19.9	20.5	20.3	20.9	21.4	21.4	22.0	21.8	22.4	22.9
	4H	19.9	20.4	20.4	20.9	21.3	21.3	21.9	21.8	22.3	22.8
12H	8H	19.2	20.0	19.7	20.4	20.8	21.5	22.2	21.9	22.6	23.1
	6H	19.8	20.4	20.3	20.9	21.3	21.4	22.1	21.9	22.5	23.0
	4H	20.0	20.5	20.5	21.0	21.5	21.4	22.0	21.9	22.4	22.9
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.3 / - 0.3					+ 0.4 / - 0.5					
1.5H	+ 0.5 / - 0.5					+ 1.2 / - 1.4					
2.0H	+ 1.0 / - 1.9					+ 2.2 / - 3.5					

CIE Pub.117, 5166 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.7)  
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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

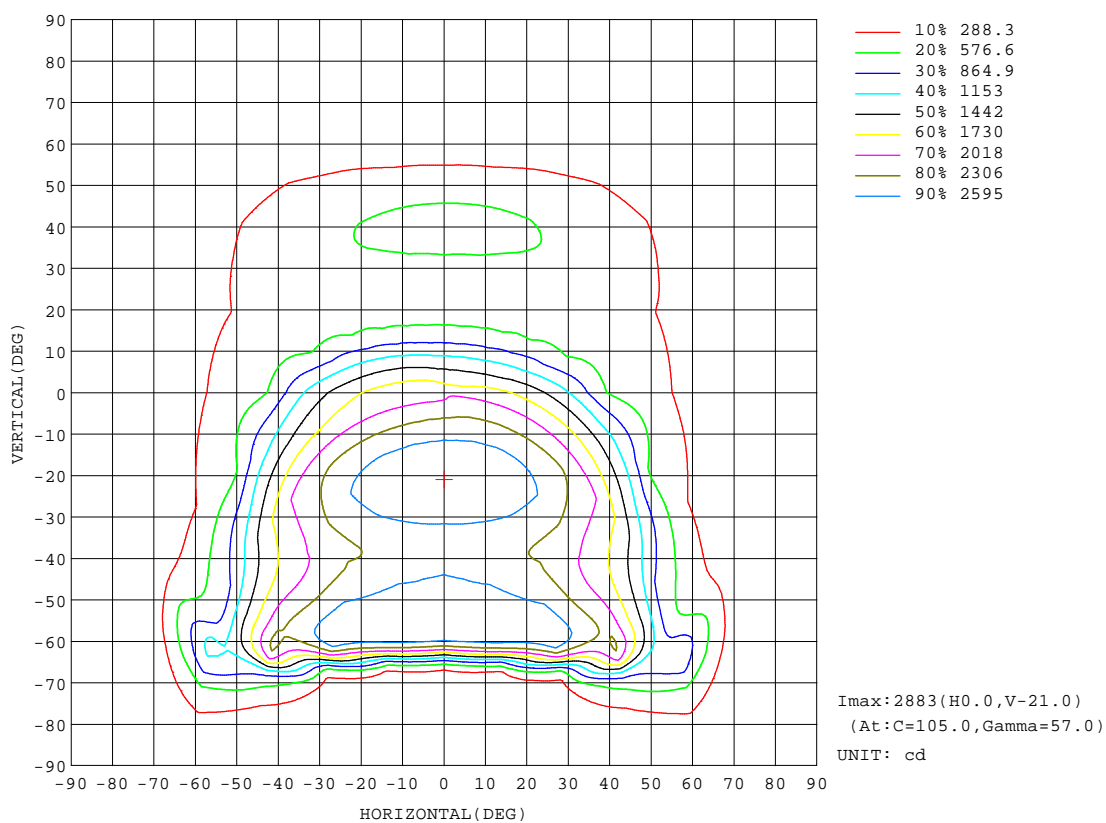
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	44	37	30
0.80	67	55	47	66	54	47	64	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	103	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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 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

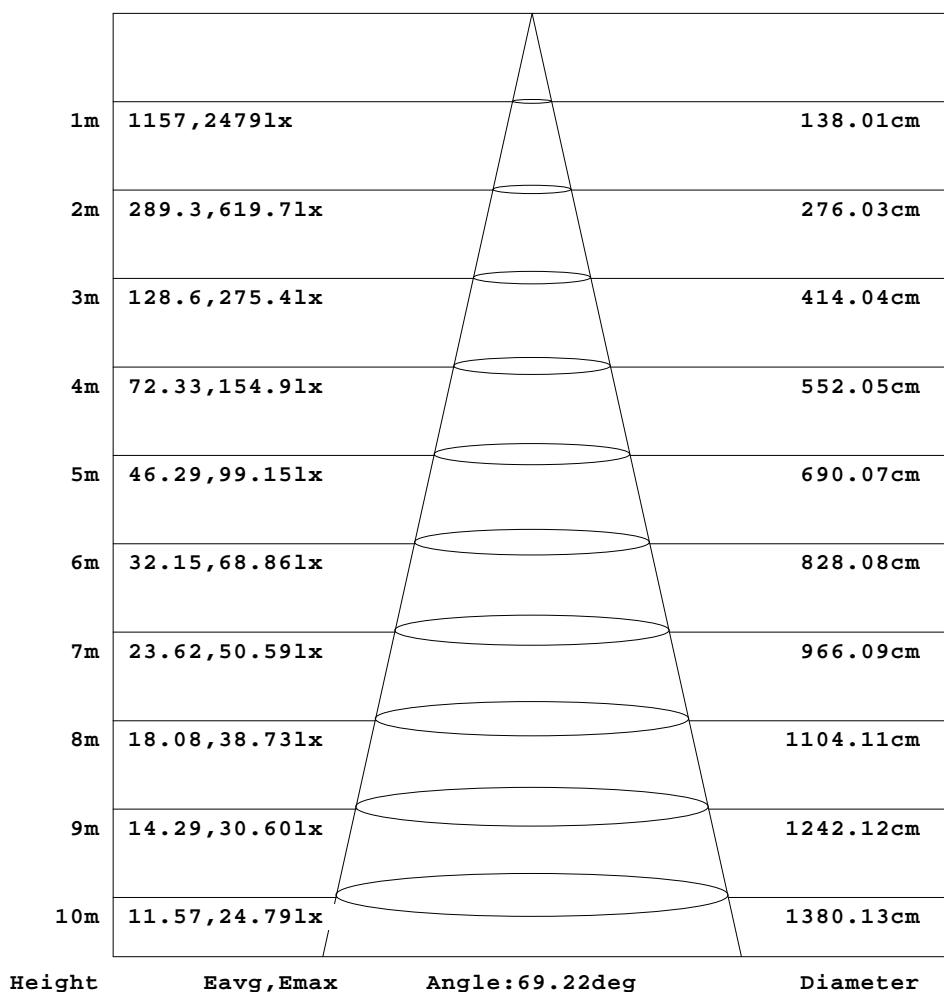
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1783 lm



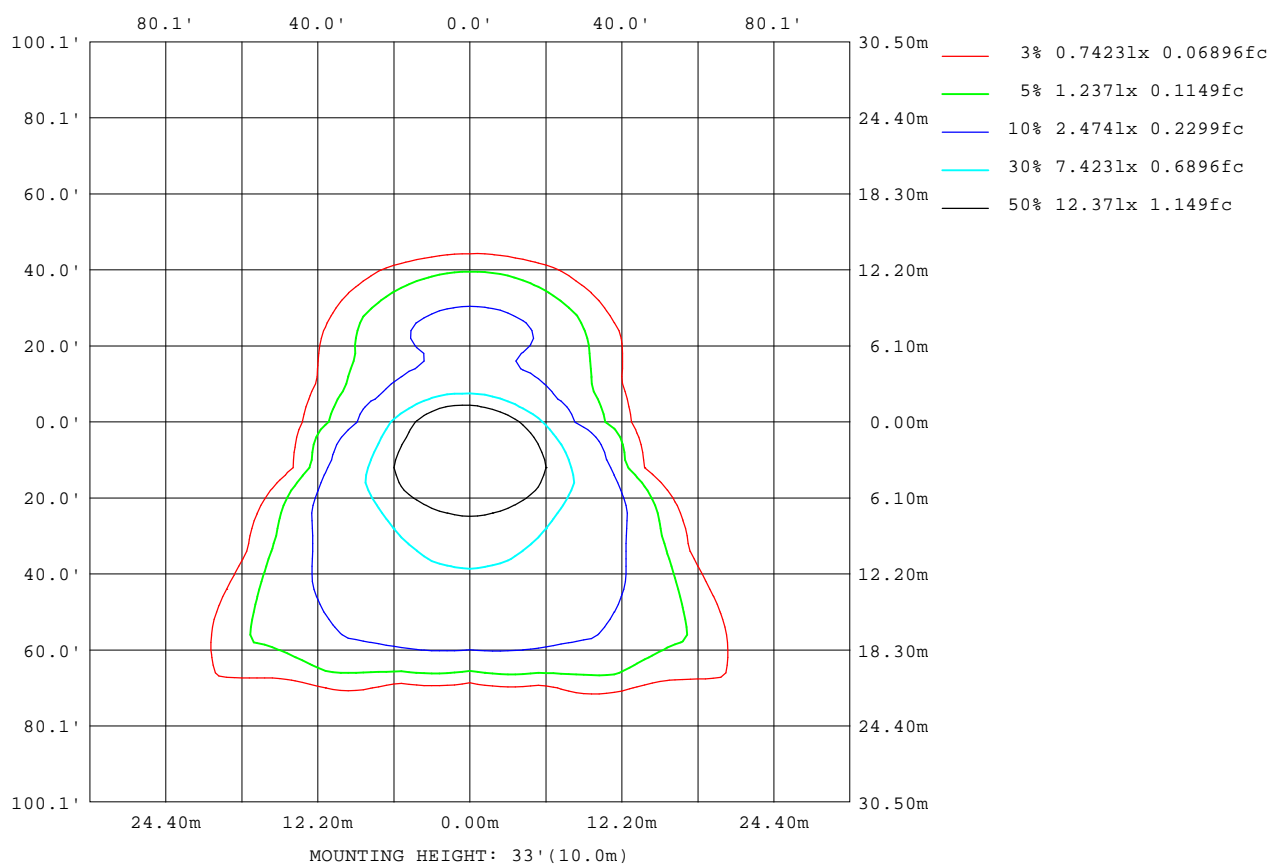
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 lm		
NAME: XWPD(30/45/63)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

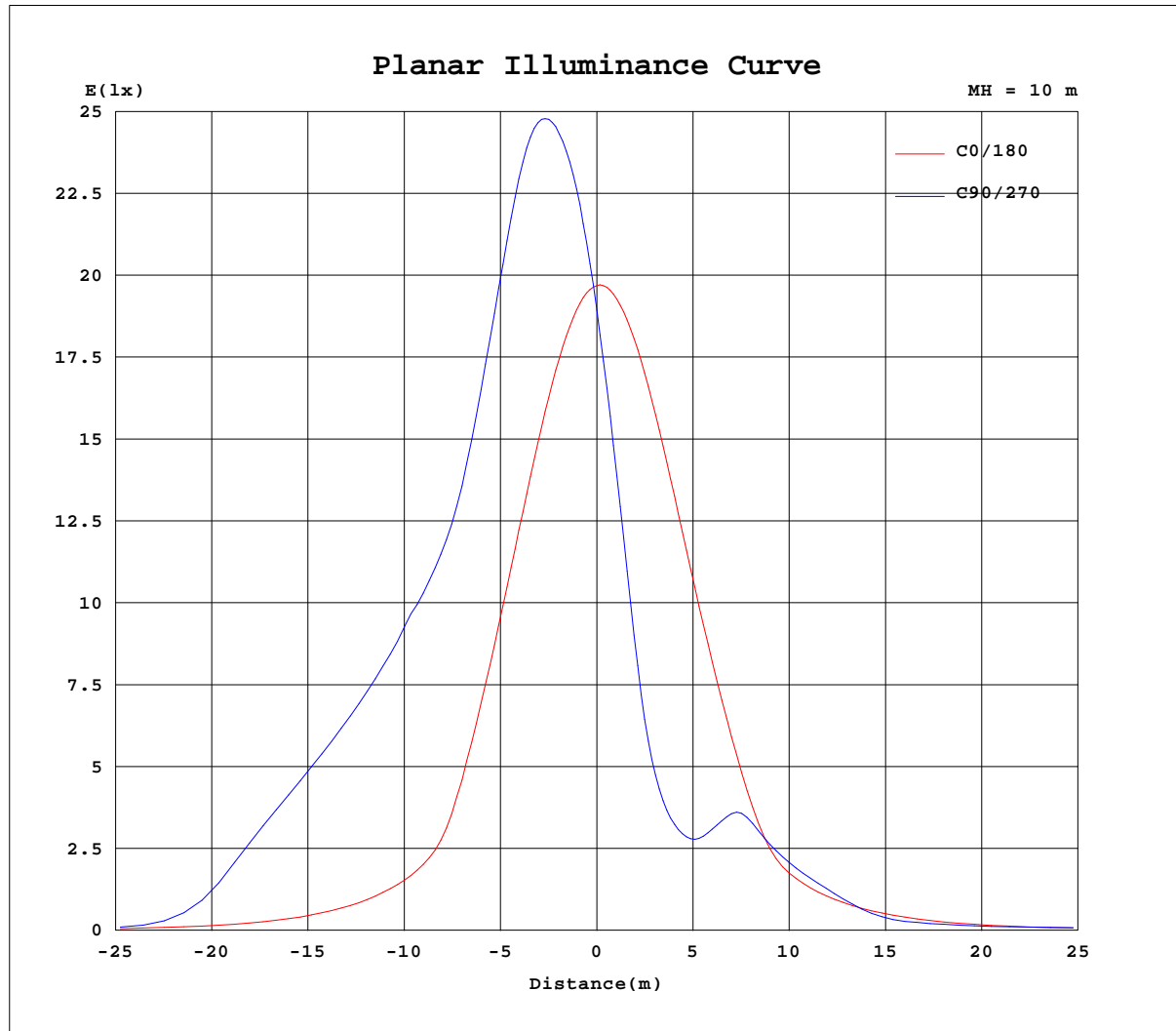
AvgL	cd/m2
L_0~180(65)av	1198
L_0~180(75)av	853
L_0~180(85)av	521
L_90~270(65)av	3277
L_90~270(75)av	1320
L_90~270(85)av	544
L_45(65)av	8847
L_45(75)av	5207
L_45(85)av	1630

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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 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	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908
5	1878	1968	2059	2137	2198	2245	2257	2247	2211	2154	2077	1986	1905	1812	1721	1634	1568	1523	1509
10	1810	1995	2170	2321	2438	2519	2541	2526	2463	2355	2207	2027	1863	1676	1491	1313	1175	1082	1055
15	1704	1987	2245	2466	2631	2741	2770	2754	2664	2516	2298	2032	1786	1501	1212	947	761	668	646
20	1556	1943	2287	2577	2765	2876	2900	2897	2811	2639	2355	1998	1670	1282	890	619	516	461	446
25	1366	1861	2305	2633	2790	2850	2849	2876	2847	2714	2381	1924	1512	1011	601	474	405	388	387
30	1123	1733	2282	2608	2687	2698	2681	2723	2744	2707	2374	1808	1308	704	469	402	383	435	463
35	812	1564	2218	2493	2513	2506	2489	2525	2566	2593	2321	1644	1044	511	406	379	478	602	655
40	531	1341	2099	2315	2339	2432	2482	2452	2386	2409	2209	1428	711	425	371	445	592	673	684
45	422	1065	1911	2114	2308	2567	2641	2595	2363	2199	2018	1156	482	369	366	494	570	588	593
50	348	703	1664	1970	2410	2693	2772	2729	2474	2048	1765	798	389	319	374	470	482	487	489
55	280	403	1370	1933	2576	2841	2880	2885	2656	2029	1457	445	312	269	348	380	374	299	281
60	211	318	1047	2034	2759	2763	2585	2798	2855	2158	1131	354	238	217	282	277	189	172	177
65	152	238	773	2201	2571	1216	733	1124	2566	2338	872	271	174	174	214	140	137	153	160
70	104	173	625	2246	539	197	203	199	443	2327	799	200	122	123	112	106	131	173	184
75	64.8	113	1059	792	179	156	154	156	173	752	1270	125	77.5	78.9	72.6	92.3	77.1	68.5	66.2
80	34.3	56.6	596	291	90.0	78.4	72.0	76.8	86.8	269	614	59.5	43.6	40.8	50.0	43.8	35.1	26.3	24.5
85	11.9	30.1	204	84.8	38.1	32.5	29.3	31.3	36.3	75.5	208	45.9	17.4	17.4	14.1	11.0	4.14	1.70	1.28
90	1.02	0.85	10.6	7.98	7.19	7.23	6.44	6.68	6.14	7.09	12.4	0.97	0.79	0.76	1.21	1.78	2.18	2.20	1.93
95	1.38	1.03	1.02	1.04	0.93	0.89	0.89	1.04	1.15	1.22	1.19	1.19	0.59	1.01	1.51	2.07	2.48	2.68	2.77
100	1.86	1.26	1.26	1.31	1.21	1.19	1.19	1.32	1.42	1.48	1.45	1.43	0.74	1.39	1.89	2.41	2.72	2.92	3.10
105	2.49	1.53	1.53	1.60	1.54	1.50	1.51	1.62	1.74	1.78	1.73	1.73	0.95	1.88	2.40	2.90	3.13	3.23	3.42
110	3.22	1.90	1.79	1.90	1.92	1.89	1.89	2.02	2.12	2.09	2.02	2.07	1.26	2.46	3.11	3.48	3.69	3.68	3.87
115	4.04	2.40	2.04	2.18	2.27	2.32	2.38	2.44	2.47	2.39	2.30	2.49	1.63	3.07	4.00	4.15	4.41	4.37	4.50
120	4.90	3.06	2.32	2.38	2.52	2.64	2.71	2.76	2.72	2.61	2.60	3.00	2.03	3.72	5.03	5.07	5.14	5.19	5.15
125	5.76	3.84	2.74	2.58	2.66	2.78	2.85	2.88	2.88	2.83	2.99	3.67	2.49	4.36	6.14	6.45	6.10	6.12	6.10
130	6.63	4.72	3.35	2.86	2.80	2.89	2.96	3.00	3.02	3.12	3.50	4.46	3.03	4.91	7.17	8.09	7.57	7.51	7.61
135	7.46	5.66	4.12	3.33	3.04	3.01	3.04	3.12	3.28	3.60	4.20	5.28	3.63	5.39	7.96	9.59	9.62	9.14	9.02
140	8.22	6.63	5.07	4.07	3.52	3.28	3.25	3.41	3.75	4.28	5.09	6.15	4.29	5.95	8.46	10.7	11.4	11.1	10.6
145	8.88	7.58	6.15	5.06	4.30	3.95	3.90	4.11	4.58	5.27	6.14	7.06	5.01	6.61	8.76	11.2	12.7	12.9	12.6
150	9.42	8.44	7.29	6.28	5.50	5.06	4.96	5.21	5.78	6.48	7.22	7.88	5.78	7.33	9.25	11.5	13.1	13.9	13.9
155	9.84	9.18	8.39	7.64	6.98	6.53	6.46	6.70	7.25	7.80	8.25	8.62	6.60	8.11	9.97	11.9	13.3	14.1	14.2
160	10.1	9.79	9.41	9.01	8.60	8.30	8.26	8.48	8.84	9.11	9.25	9.31	7.43	8.96	10.8	12.6	13.8	14.4	14.4
165	10.3	10.3	10.3	10.3	10.2	10.1	10.1	10.2	10.3	10.3	10.09	9.87	8.26	9.80	11.5	13.2	14.3	14.9	14.8
170	10.3	10.6	11.0	11.3	11.6	11.8	11.8	11.8	11.7	11.3	10.8	10.3	8.95	10.3	11.9	13.4	14.4	15.0	15.0
175	10.2	10.8	11.5	12.2	12.7	13.1	13.2	13.0	12.6	12.0	11.2	10.5	9.47	10.6	11.9	13.2	14.1	14.7	14.7
180	9.88	10.8	11.8	12.8	13.5	14.0	14.0	13.8	13.2	12.4	11.5	10.5	9.90	10.8	11.8	12.8	13.5	14.1	14.0

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:120.11V I:0.2538A P:30.123W PF:0.9882 Freq:59.98Hz Lamp Flux:5165.75x1 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	1908	1908	1908	1908	1908														
5	1513	1556	1615	1695	1790														
10	1070	1152	1271	1441	1631														
15	664	741	890	1139	1429														
20	458	509	596	803	1177														
25	391	406	469	567	878														
30	447	398	401	467	613														
35	623	511	403	416	489														
40	687	628	495	392	422														
45	601	597	532	409	373														
50	500	501	499	421	331														
55	305	384	398	381	286														
60	176	193	278	303	240														
65	156	142	143	226	191														
70	177	138	112	113	133														
75	70.2	81.0	102	78.4	80.4														
80	27.3	36.9	46.7	51.6	43.0														
85	1.76	5.19	11.9	15.8	17.7														
90	2.19	2.44	2.20	1.70	0.96														
95	2.98	2.94	2.45	1.86	1.10														
100	3.35	3.18	2.65	2.06	1.35														
105	3.69	3.47	2.96	2.35	1.63														
110	4.12	3.88	3.39	2.75	1.97														
115	4.65	4.44	4.00	3.17	2.34														
120	5.26	5.37	4.77	3.52	2.72														
125	6.59	6.64	5.32	4.05	3.15														
130	7.98	7.43	5.90	4.84	3.56														
135	8.99	8.27	7.24	5.73	3.94														
140	10.5	9.91	8.66	6.47	4.35														
145	12.3	11.4	9.75	7.10	4.98														
150	13.5	12.4	10.4	7.90	5.88														
155	13.8	12.7	11.0	8.95	7.02														
160	14.0	13.2	11.9	10.14	8.28														
165	14.5	13.7	12.7	11.2	9.45														
170	14.6	13.9	13.0	11.7	10.17														
175	14.4	13.6	12.8	11.7	10.4														
180	13.8	13.2	12.4	11.5	10.5														

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: