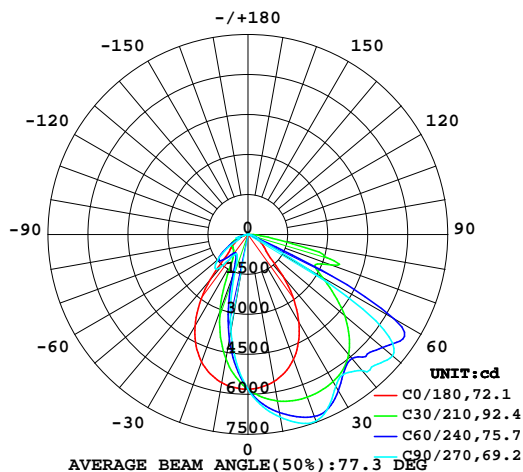


## LUMINAIRE PHOTOMETRIC TEST REPORT

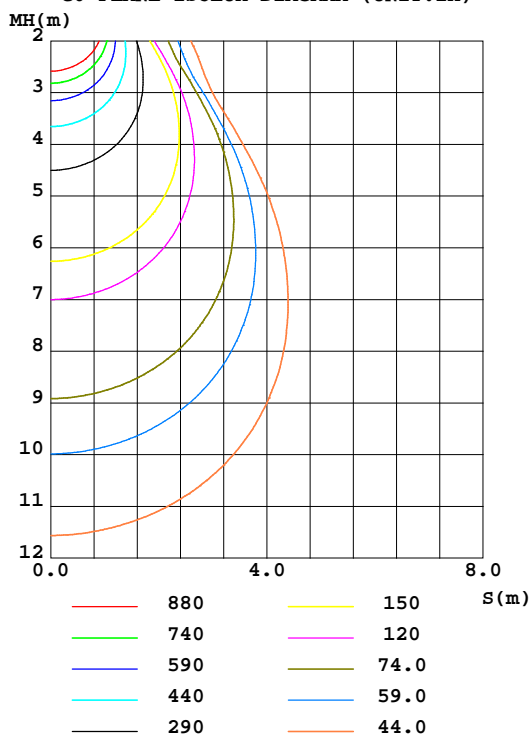
Test:U:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.67 lm/W			
MODEL		I <sub>max</sub> (cd)	7484	S/MH(C0/180)	1.06
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	13276	h UP,DN(C0-180)	0.2,78.4
NOMINAL FLUX(lm)	13276.1	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.3,21.0
LAMPS INSIDE	1	h up(%)	0.6	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	h down(%)	99.4	CIBSE SHR MAX	0.95

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:

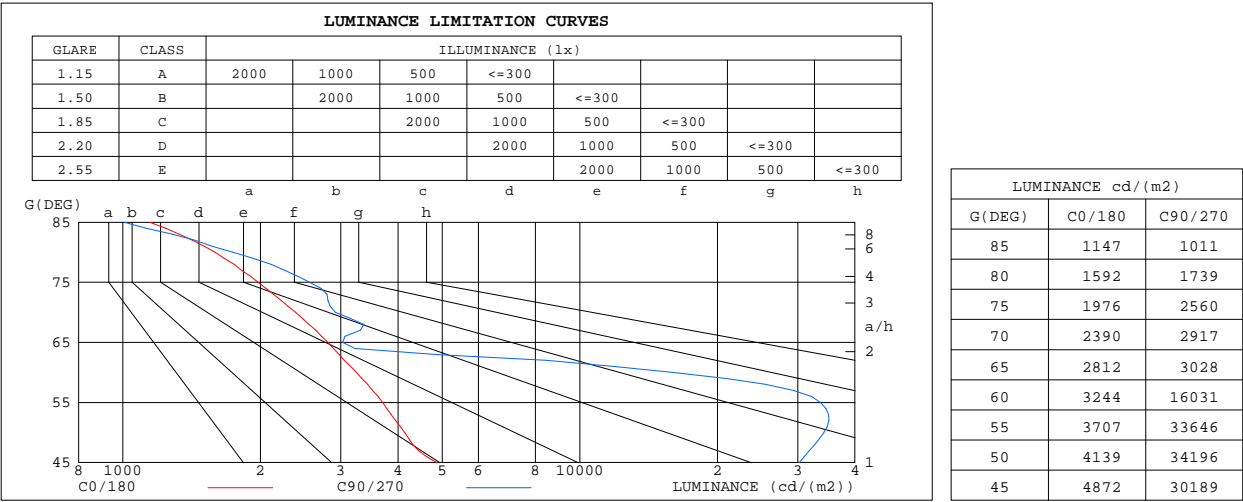
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	5604	6599	6955	6682	5649	4326	3709	4223	0- 10	537.9	537.9	4.05,4.05
20	4991	6975	7455	7105	5088	2278	1410	2132	10- 20	1432	1970	14.8,14.8
30	3822	6860	6597	7049	3977	1011	856.8	1001	20- 30	1958	3928	29.6,29.6
40	2036	5975	6667	6163	2193	835.7	1580	859.2	30- 40	2230	6158	46.4,46.4
50	846.0	5539	7081	5725	873.5	1132	1497	1181	40- 50	2533	8691	65.5,65.5
60	515.8	6143	2582	6400	530.8	845.6	589.2	830.7	50- 60	2499	11190	84.3,84.3
70	259.9	3236	321.4	3299	266.3	269.4	407.4	270.9	60- 70	1377	12566	94.7,94.7
80	87.91	255.8	97.26	257.1	89.84	144.0	98.80	130.6	70- 80	540.6	13107	98.7,98.7
90	2.461	2.226	1.940	2.511	1.190	4.234	2.091	5.042	80- 90	94.59	13202	99.4,99.4
100	4.655	3.424	3.401	3.652	2.118	5.873	6.681	6.860	90-100	3.978	13206	99.5,99.5
110	8.619	4.779	5.514	5.104	3.974	8.119	8.555	8.575	100-110	5.769	13211	99.5,99.5
120	13.56	5.622	6.678	6.056	6.500	11.04	11.33	11.99	110-120	7.546	13219	99.6,99.6
130	18.64	7.349	6.695	7.865	9.100	17.55	15.56	15.51	120-130	9.289	13228	99.6,99.6
140	23.25	11.91	8.946	12.23	12.52	26.15	22.89	21.65	130-140	11.16	13239	99.7,99.7
150	26.74	19.15	15.46	19.21	16.72	31.15	32.88	28.47	140-150	12.65	13252	99.8,99.8
160	28.88	26.46	25.02	25.95	21.33	34.15	37.51	32.46	150-160	12.10	13264	99.9,99.9
170	29.63	31.89	32.88	30.86	25.91	36.13	38.69	34.80	160-170	8.748	13273	100,100
180	28.58	34.93	36.89	33.35	28.59	34.91	36.91	33.34	170-180	3.166	13276	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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



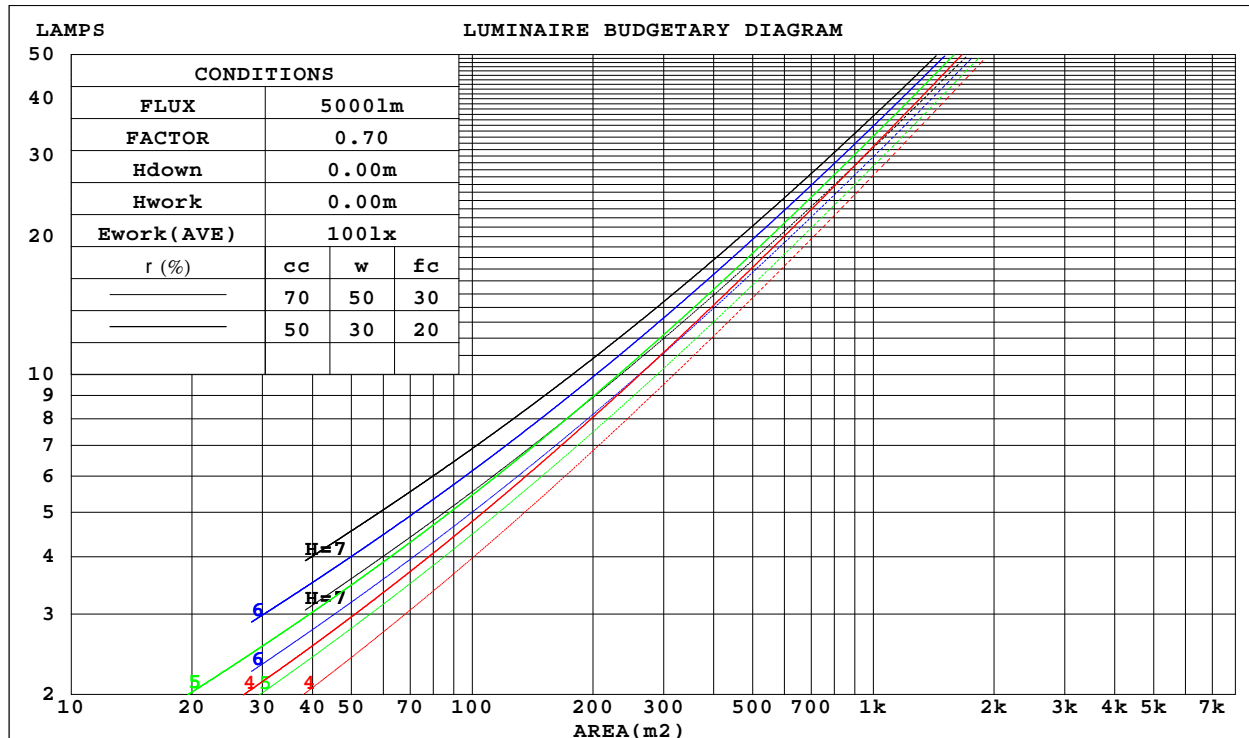
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Richard  
Test Date:2024-06-20

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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	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	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.63	.61
4.0	.72	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.45	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.30	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	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	.280	.159	.050	.273	.155	.049	.259	.149	.047	.247	.142	.046	.235	.136	.044	
2.0	.271	.148	.045	.264	.146	.045	.252	.140	.044	.242	.136	.042	.231	.131	.041	
3.0	.255	.136	.041	.249	.133	.040	.239	.129	.039	.229	.125	.038	.220	.122	.038	
4.0	.238	.124	.036	.233	.122	.036	.224	.119	.035	.215	.115	.035	.207	.112	.034	
5.0	.222	.113	.033	.217	.112	.032	.209	.109	.032	.201	.106	.032	.194	.104	.031	
6.0	.207	.104	.030	.203	.102	.029	.196	.100	.029	.189	.098	.029	.182	.096	.028	
7.0	.193	.096	.027	.190	.095	.027	.183	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.181	.088	.025	.178	.088	.025	.172	.086	.025	.167	.084	.024	.161	.083	.024	
9.0	.170	.082	.023	.167	.082	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.160	.077	.021	.158	.076	.021	.153	.075	.021	.148	.074	.021	.144	.072	.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	.183	.161	.141	.156	.138	.121	.107	.095	.084	.061	.055	.049	.020	.018	.016	
2.0	.174	.136	.105	.149	.117	.091	.102	.081	.063	.059	.047	.037	.019	.015	.012	
3.0	.166	.119	.081	.142	.102	.070	.098	.071	.049	.056	.041	.029	.018	.013	.009	
4.0	.158	.105	.064	.136	.091	.056	.093	.063	.039	.054	.037	.023	.017	.012	.008	
5.0	.151	.095	.053	.130	.082	.046	.089	.057	.032	.052	.034	.019	.017	.011	.006	
6.0	.144	.086	.045	.124	.075	.039	.086	.052	.027	.050	.031	.016	.016	.010	.005	
7.0	.138	.079	.038	.118	.069	.033	.082	.048	.024	.048	.028	.014	.015	.009	.005	
8.0	.131	.074	.034	.113	.064	.029	.078	.045	.021	.046	.026	.012	.015	.009	.004	
9.0	.126	.069	.030	.108	.060	.026	.075	.042	.019	.044	.025	.011	.014	.008	.004	
10.0	.120	.064	.027	.103	.056	.024	.072	.039	.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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm											
NAME: XWPD(45/63/90)W(30/40/50)W						TYPE:		WEIGHT:			
SPEC.: 3000K						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	13.7	15.2	14.0	15.4	15.6	18.3	19.7	18.5	19.9	20.2	
	3H	14.0	15.3	14.3	15.5	15.8	18.1	19.4	18.4	19.7	19.9
	4H	13.9	15.2	14.2	15.4	15.7	18.0	19.3	18.3	19.5	19.8
	6H	13.8	15.0	14.2	15.3	15.6	17.9	19.1	18.2	19.4	19.7
	8H	13.8	15.0	14.1	15.2	15.5	17.8	19.0	18.2	19.3	19.6
	12H	13.8	14.9	14.1	15.2	15.5	17.8	18.9	18.2	19.2	19.5
4H	2H	17.1	18.4	17.5	18.7	18.9	19.3	20.6	19.6	20.8	21.1
	3H	18.4	19.5	18.7	19.8	20.1	19.2	20.3	19.5	20.6	20.9
	4H	18.8	19.8	19.2	20.1	20.5	19.1	20.1	19.5	20.4	20.8
	6H	18.8	19.7	19.2	20.0	20.4	19.0	19.9	19.4	20.2	20.6
	8H	18.8	19.6	19.2	20.0	20.3	19.0	19.8	19.4	20.2	20.5
	12H	18.7	19.5	19.2	19.9	20.3	18.9	19.7	19.3	20.1	20.5
8H	4H	19.1	19.9	19.5	20.3	20.7	19.3	20.1	19.7	20.5	20.9
	6H	19.3	20.0	19.8	20.4	20.9	19.2	19.9	19.7	20.3	20.8
	8H	19.4	20.0	19.9	20.4	20.9	19.2	19.8	19.7	20.2	20.7
	12H	19.4	19.9	19.9	20.4	20.8	19.2	19.7	19.6	20.1	20.6
12H	4H	19.0	19.8	19.5	20.2	20.6	19.3	20.1	19.7	20.5	20.9
	6H	19.3	19.9	19.8	20.4	20.8	19.3	19.9	19.7	20.3	20.7
	8H	19.4	19.9	19.9	20.4	20.9	19.2	19.7	19.7	20.2	20.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.7 / - 0.7					+ 1.1 / - 1.2					
1.5H	+ 1.2 / - 1.3					+ 2.1 / - 2.8					
2.0H	+ 0.9 / - 1.7					+ 1.7 / - 2.3					

CIE Pub.117, 13276 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.0)  
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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

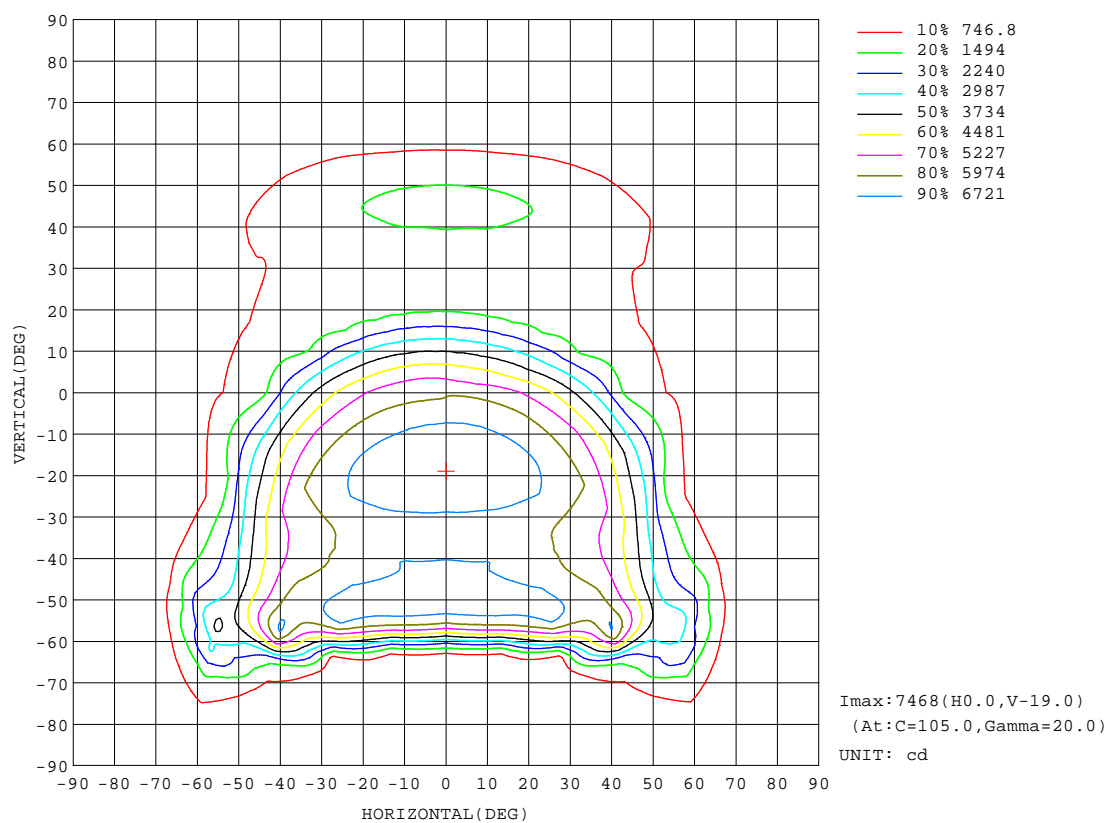
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	33
0.80	68	57	50	67	57	50	66	56	49	42
1.00	77	67	60	76	66	59	74	67	59	52
1.25	85	75	68	83	74	68	81	73	67	60
1.50	90	80	74	88	80	73	85	78	72	65
2.00	97	89	83	95	87	82	91	85	80	73
2.50	100	93	87	98	92	87	94	89	85	76
3.00	104	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	109	105	101	107	103	100	102	99	96	87
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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	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

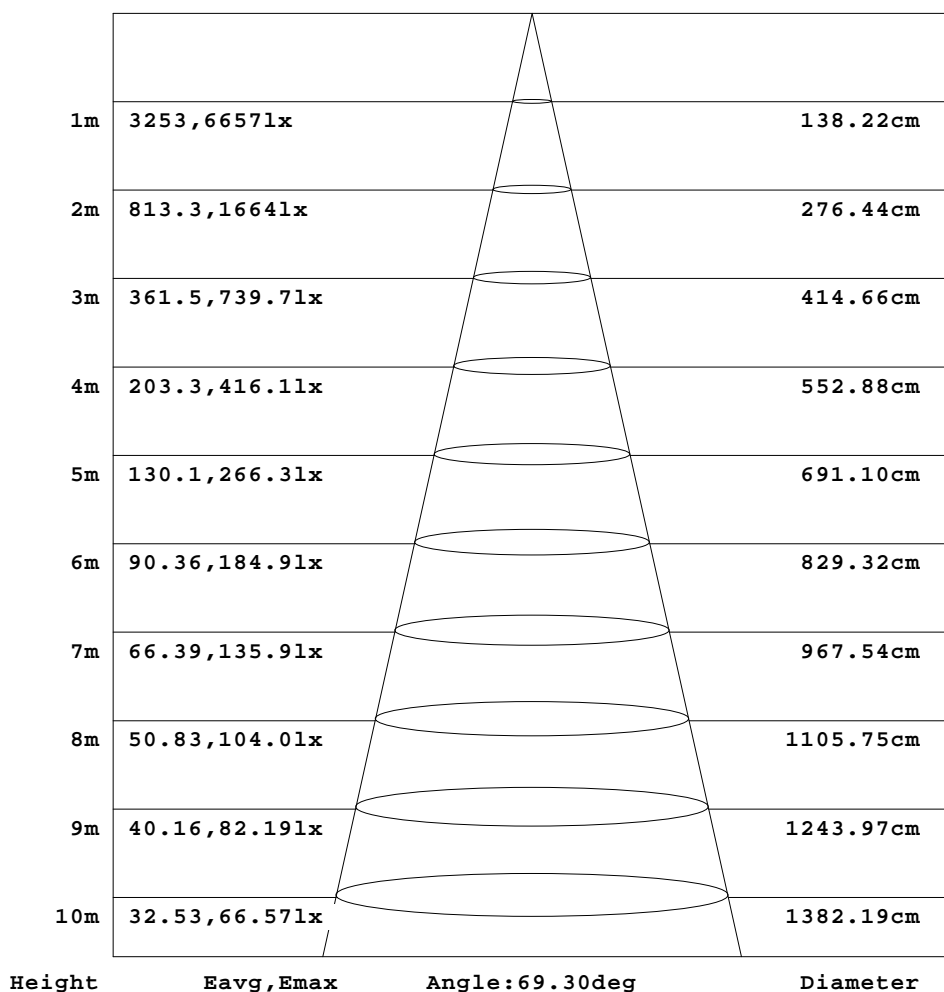
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.442  
Humidity:65.0%  
Test Distance:8.930m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:5011 lm



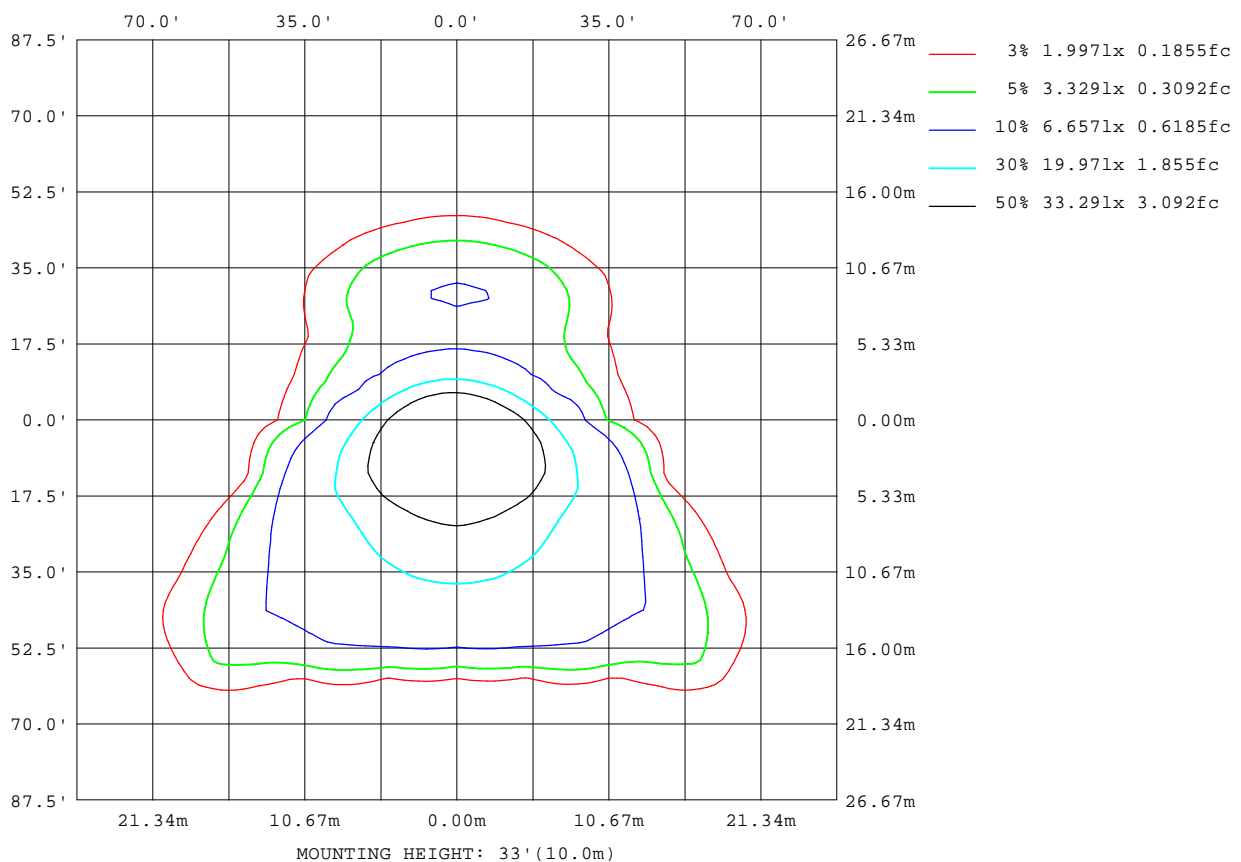
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1lx1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

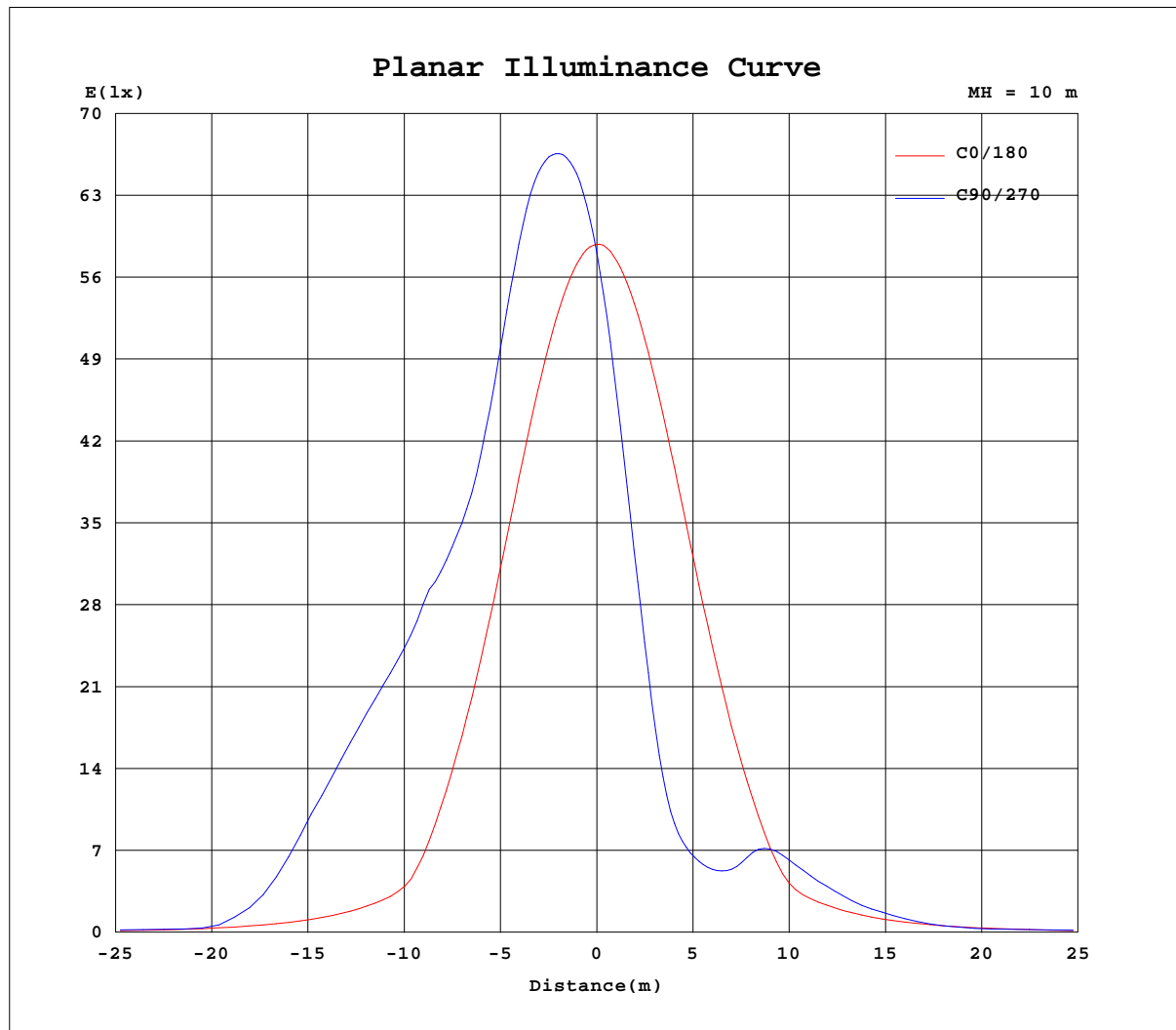
AvgL	cd/m2
L_0~180(65)av	2813
L_0~180(75)av	1972
L_0~180(85)av	1131
L_90~270(65)av	2862
L_90~270(75)av	3118
L_90~270(85)av	979
L_45(65)av	27076
L_45(75)av	6249
L_45(85)av	2057

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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	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	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803	5803
5	5746	5949	6124	6272	6378	6457	6484	6478	6418	6317	6165	5978	5770	5562	5361	5165	5021	4911	4878
10	5604	6012	6337	6599	6779	6911	6955	6945	6852	6682	6418	6064	5649	5202	4761	4326	4009	3773	3709
15	5355	5989	6458	6821	7078	7258	7310	7305	7167	6928	6566	6062	5428	4701	3989	3341	2871	2575	2464
20	4991	5879	6493	6975	7266	7427	7455	7484	7375	7105	6626	5970	5088	4048	3080	2278	1741	1482	1410
25	4483	5680	6472	7024	7178	7184	7147	7260	7318	7179	6626	5786	4613	3256	2087	1353	1117	1001	975
30	3822	5390	6376	6860	6780	6650	6597	6725	6933	7049	6555	5506	3977	2342	1250	1011	899	860	857
35	3013	4977	6199	6483	6286	6293	6368	6353	6431	6676	6395	5094	3161	1404	970	883	842	927	984
40	2036	4418	5874	5975	6077	6501	6667	6557	6196	6163	6085	4525	2193	1001	855	836	1031	1405	1580
45	1095	3677	5368	5616	6334	6759	6877	6818	6467	5791	5588	3764	1178	855	782	956	1374	1704	1752
50	846	2738	4748	5539	6592	7035	7081	7099	6734	5725	4962	2814	873	729	747	1132	1441	1493	1497
55	676	1558	3964	5816	6968	6672	6217	6744	7116	6036	4161	1594	696	615	757	1114	1164	1080	1073
60	516	771	3236	6143	6340	3613	2582	3676	6516	6400	3428	805	531	492	733	846	776	628	589
65	378	604	2780	6766	1830	445	412	452	1941	7006	3038	631	389	386	606	504	382	358	368
70	260	442	3338	3236	358	348	321	357	377	3299	3733	466	266	298	345	269	301	376	407
75	163	277	2938	805	233	224	213	229	243	808	3137	286	166	199	185	234	361	323	307
80	87.9	137	1143	256	125	110	97.3	113	132	257	1189	150	89.8	96.3	134	144	129	107	98.8
85	31.8	130	380	63.3	36.0	31.2	28.4	32.7	39.5	66.8	397	154	31.8	37.7	43.0	52.4	41.7	28.5	26.6
90	2.46	1.91	2.50	2.23	1.97	1.89	1.94	2.33	2.54	2.51	2.80	2.05	1.19	1.98	3.25	4.23	4.42	3.05	2.09
95	3.31	2.30	2.53	2.79	2.71	2.58	2.63	2.91	3.06	2.97	2.80	2.56	1.56	2.73	3.95	5.09	5.65	5.35	4.73
100	4.65	2.83	3.06	3.42	3.51	3.39	3.40	3.64	3.75	3.65	3.40	3.18	2.12	3.75	4.84	5.87	6.39	6.58	6.68
105	6.47	3.52	3.65	4.11	4.36	4.37	4.39	4.57	4.61	4.41	4.05	3.92	2.89	5.12	5.99	6.86	7.11	7.29	7.64
110	8.62	4.56	4.21	4.78	5.19	5.40	5.51	5.60	5.48	5.10	4.68	4.89	3.97	6.81	7.43	8.12	8.15	8.10	8.56
115	11.0	6.08	4.80	5.26	5.77	6.10	6.28	6.33	6.09	5.63	5.33	6.15	5.23	8.63	9.37	9.48	9.62	9.30	9.78
120	13.6	8.10	5.69	5.62	6.07	6.46	6.68	6.71	6.44	6.06	6.23	7.84	6.50	10.6	12.0	11.0	11.5	10.9	11.3
125	16.2	10.6	7.15	6.20	6.28	6.57	6.77	6.81	6.66	6.71	7.54	10.01	7.75	12.8	15.0	13.6	13.1	13.0	13.0
130	18.6	13.3	9.25	7.35	6.77	6.63	6.69	6.89	7.20	7.86	9.41	12.5	9.10	14.8	18.2	17.5	15.6	15.4	15.6
135	21.1	16.2	11.9	9.22	7.98	7.33	7.25	7.62	8.45	9.64	11.9	15.0	10.7	16.4	21.1	22.1	19.6	18.7	19.0
140	23.2	19.2	15.0	11.9	10.1	9.09	8.95	9.42	10.5	12.2	14.7	17.6	12.5	17.7	23.5	26.2	25.1	23.2	22.9
145	25.1	21.9	18.4	15.3	13.2	11.9	11.7	12.2	13.7	15.6	17.9	20.1	14.5	19.2	24.8	29.3	29.9	28.6	27.6
150	26.7	24.4	21.7	19.1	17.3	15.8	15.5	16.1	17.6	19.2	20.8	22.2	16.7	21.0	26.0	31.1	33.5	33.6	32.9
155	28.0	26.4	24.7	23.0	21.6	20.5	20.2	20.7	21.8	22.7	23.5	24.1	19.0	23.1	27.9	32.5	35.3	36.5	36.4
160	28.9	28.1	27.3	26.5	25.8	25.2	25.0	25.3	25.8	26.0	25.9	25.9	21.3	25.6	30.2	34.2	36.5	37.6	37.5
165	29.5	29.4	29.4	29.5	29.4	29.4	29.4	29.4	29.1	28.6	27.8	27.3	23.8	28.0	32.2	35.7	37.7	38.7	38.5
170	29.6	30.3	31.1	31.9	32.5	32.9	32.9	32.6	32.0	30.9	29.6	28.6	25.9	29.6	33.2	36.1	37.9	38.9	38.7
175	29.3	30.8	32.2	33.7	34.8	35.5	35.3	34.9	33.8	32.3	30.7	29.1	27.4	30.5	33.3	35.7	37.3	38.2	38.0
180	28.6	30.9	32.9	34.9	36.3	37.2	36.9	36.3	35.0	33.3	31.3	29.2	28.6	30.8	33.0	34.9	36.3	37.1	36.9

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:120.21V I:0.7530A P:90.514W PF:0.9926 Freq:59.98Hz Lamp Flux:13276.1x1 lm		
NAME: XWPD(45/63/90)W(30/40/50)W	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	5803	5803	5803	5803	5803														
5	4888	4984	5115	5311	5520														
10	3737	3937	4223	4656	5117														
15	2521	2784	3220	3840	4571														
20	1463	1662	2132	2910	3875														
25	995	1095	1271	1903	3062														
30	861	895	1001	1188	2116														
35	945	856	876	961	1269														
40	1455	1087	859	855	984														
45	1714	1437	1022	796	851														
50	1489	1454	1181	788	733														
55	1070	1142	1138	820	621														
60	613	743	831	777	504														
65	359	367	481	613	402														
70	383	306	271	330	315														
75	307	355	239	188	199														
80	105	124	131	140	99.4														
85	26.9	37.6	48.8	44.3	39.2														
90	2.83	4.73	5.04	4.26	2.26														
95	5.46	6.55	6.11	4.86	2.76														
100	7.40	7.84	6.86	5.41	3.39														
105	8.55	8.76	7.58	6.11	4.22														
110	9.63	9.68	8.58	7.05	5.14														
115	10.9	10.9	9.94	8.19	6.11														
120	12.2	12.5	12.0	9.14	7.22														
125	13.9	15.4	14.0	10.3	8.39														
130	17.4	18.6	15.5	12.1	9.71														
135	20.5	20.4	17.6	14.8	10.8														
140	23.5	23.3	21.7	17.6	12.1														
145	28.0	27.7	25.5	20.0	13.8														
150	32.7	31.7	28.5	22.3	16.3														
155	36.0	34.2	30.5	25.0	19.5														
160	37.1	35.5	32.5	28.0	23.1														
165	37.9	36.5	34.2	30.7	26.3														
170	38.0	36.6	34.8	31.9	28.3														
175	37.3	35.9	34.2	31.9	29.0														
180	36.3	35.1	33.3	31.4	29.2														

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: