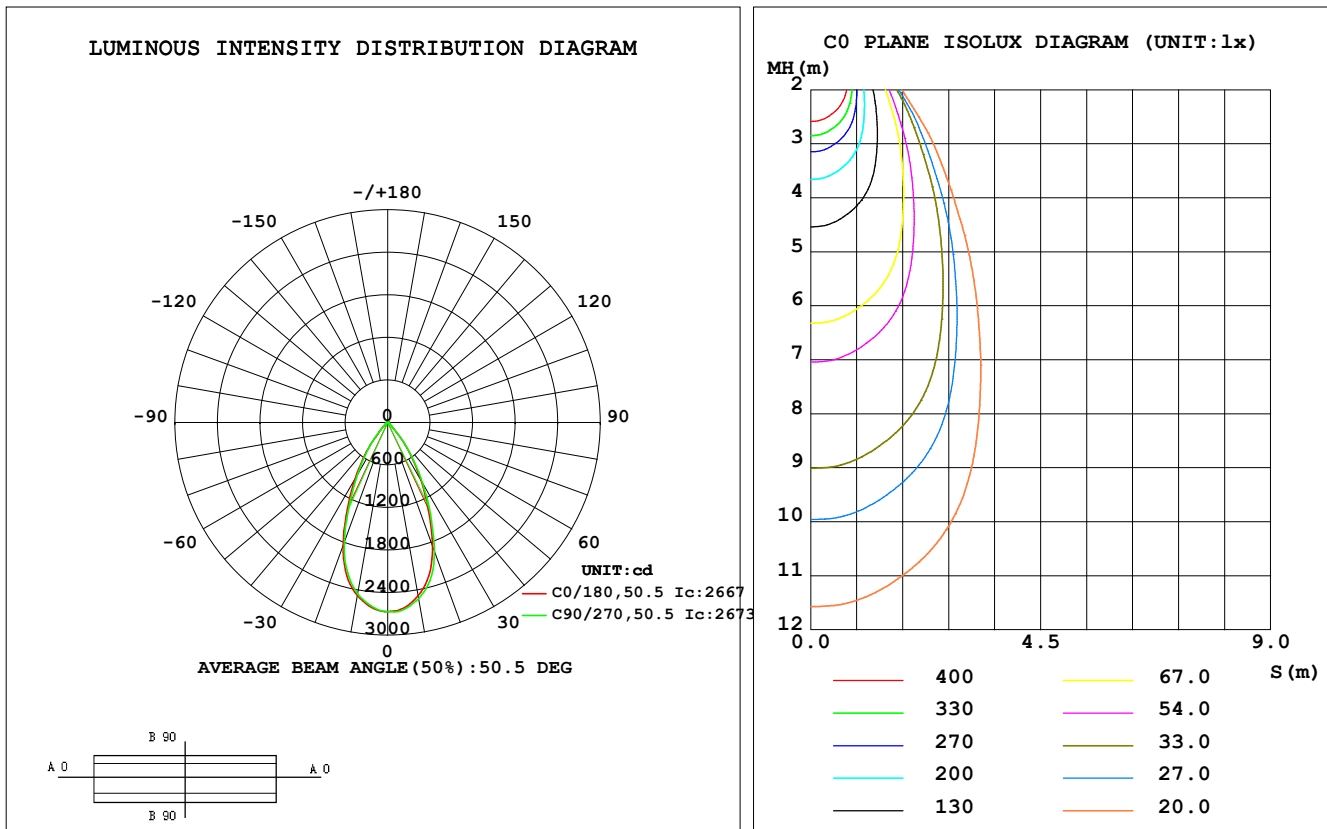


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm					
NAME: DP125RW-WF01-24G30		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:120		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 83.73 lm/W
MODEL	3000K CRI90	I _{max} (cd)	2673	S/MH(C0/180)	0.79	
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.77	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2009.6	η UP,DN(C0-180)	0.0,50.8	
NOMINAL FLUX(lm)	2009.58	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.2	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	36	η down(%)	100.0	CIBSE SHR MAX	0.80	



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZR
 Test Date: 2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 8.402m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2479	2504	2521	2502	2476	2455	2455	2469	0- 10	245.9	245.9	12.2,12.2
20	1849	1914	1930	1908	1844	1807	1792	1842	10- 20	620.8	866.7	43.1,43.1
30	938.7	983.8	985.8	949.1	928.8	886.7	861.3	916.5	20- 30	623.8	1491	74.2,74.2
40	296.6	322.5	307.3	266.0	265.0	255.2	270.7	290.3	30- 40	361.3	1852	92.1,92.1
50	51.64	51.87	50.76	50.52	62.75	61.57	62.69	66.83	40- 50	97.68	1949	97,97
60	13.74	13.79	12.98	12.33	23.42	23.29	23.44	24.53	50- 60	28.58	1978	98.4,98.4
70	8.827	8.757	8.510	8.323	15.96	15.82	15.97	16.39	60- 70	14.99	1993	99.2,99.2
80	5.716	5.548	4.414	5.062	9.925	9.810	9.574	10.36	70- 80	10.44	2003	99.7,99.7
90	3.426	3.382	3.402	3.446	5.791	5.723	5.706	5.767	80- 90	6.101	2010	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1916.8 lm

%lum = 95.4%

%lamp = 95.4%

Conical surface Flux(120deg): 1978.1 lm

%lum = 98.4%

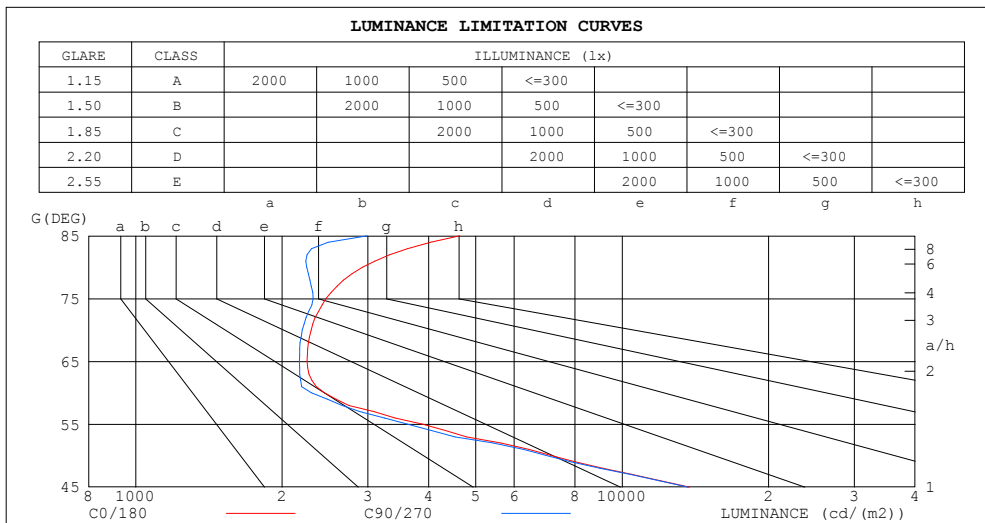
%lamp = 98.4%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZR
 Test Date:2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:8.402m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm		
NAME: DP125RW-WF01-24G30	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:120	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4630	2985
80	2925	2247
75	2462	2316
70	2294	2200
65	2250	2171
60	2441	2295
55	3883	3613
50	7140	6981
45	13758	13655

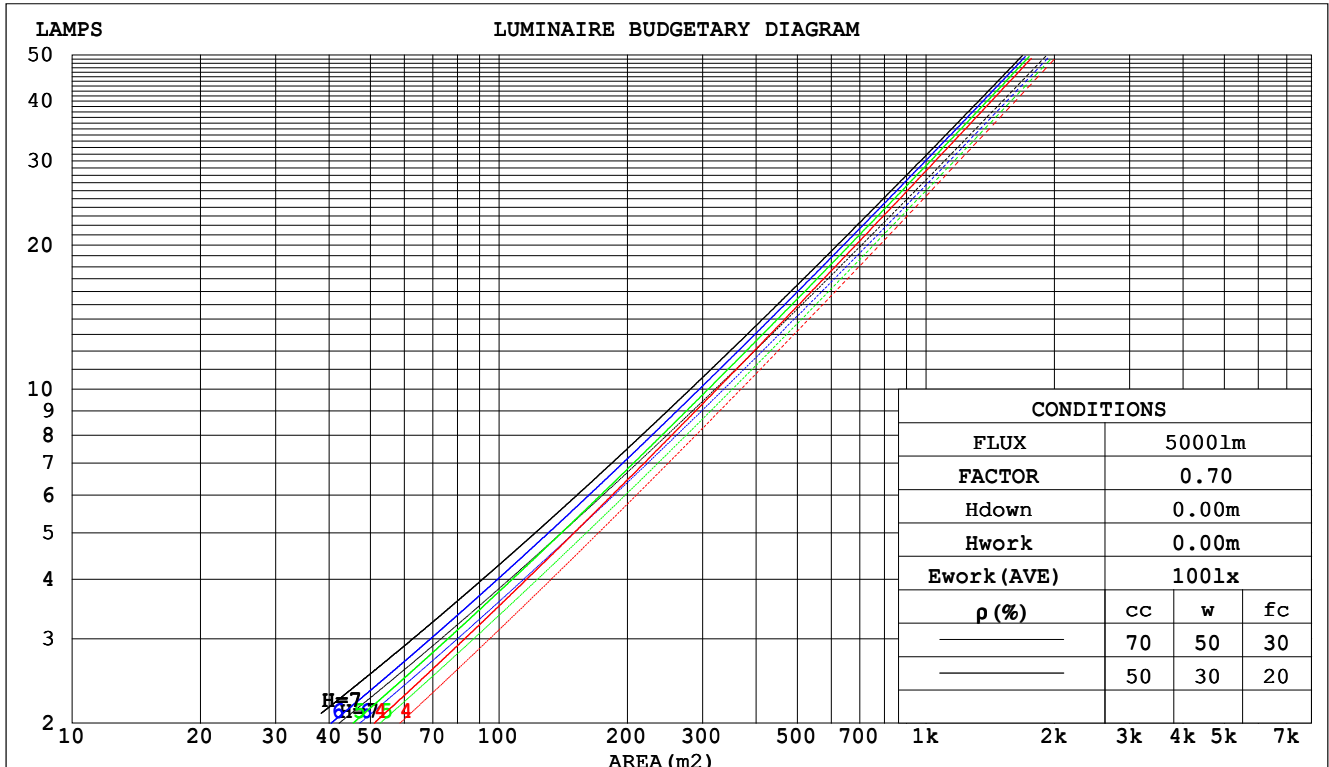
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm		
NAME: DP125RW-WF01-24G30	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:120	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	1.19	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	.00
1.0	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.96	.91	.87	.95	.90	.87	.92	.88	.85	.90	.87	.84	.88	.85	.83	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.79	.85	.81	.78	.83	.80	.77	.76
5.0	.85	.79	.75	.84	.78	.74	.82	.77	.74	.80	.76	.73	.79	.75	.72	.71
6.0	.80	.74	.70	.79	.73	.69	.77	.73	.69	.76	.72	.69	.75	.71	.68	.67
7.0	.75	.69	.65	.75	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8.0	.71	.65	.61	.71	.65	.61	.70	.65	.61	.68	.64	.61	.68	.63	.60	.59
9.0	.67	.62	.58	.67	.61	.58	.66	.61	.57	.65	.61	.57	.64	.60	.57	.56
10.0	.64	.58	.55	.64	.58	.55	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZR
 Test Date:2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:8.402m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm					
NAME: DP125RW-WF01-24G30			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:120		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	.180	.102	.032	.173	.099	.031	.161	.092	.029	.149	.086	.028	.138	.080	.026	
2.0	.171	.093	.029	.165	.091	.028	.154	.086	.027	.145	.081	.025	.135	.077	.024	
3.0	.161	.086	.026	.157	.084	.025	.148	.080	.024	.139	.076	.023	.132	.073	.023	
4.0	.153	.080	.023	.149	.078	.023	.141	.075	.022	.134	.072	.022	.127	.069	.021	
5.0	.146	.074	.021	.142	.073	.021	.135	.070	.021	.129	.068	.020	.123	.066	.020	
6.0	.139	.069	.020	.135	.068	.020	.130	.066	.019	.124	.064	.019	.119	.063	.019	
7.0	.132	.065	.019	.130	.065	.018	.124	.063	.018	.119	.061	.018	.115	.060	.018	
8.0	.126	.062	.017	.124	.061	.017	.119	.060	.017	.115	.058	.017	.111	.057	.017	
9.0	.121	.059	.016	.119	.058	.016	.115	.057	.016	.111	.055	.016	.107	.054	.016	
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.107	.053	.015	.103	.052	.015	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.113	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.090	.123	.098	.078	.085	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.079	.060	.044	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.107	.075	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.100	.067	.043	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.105	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-07-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm											
NAME: DP125RW-WF01-24G30					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.:120			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		15.3	16.2	15.5	16.4	16.5	15.5	16.4	15.7	16.6	16.7
	3H	15.1	16.0	15.4	16.2	16.4	15.3	16.2	15.6	16.4	16.6
	4H	15.1	15.9	15.4	16.1	16.4	15.3	16.1	15.6	16.3	16.6
	6H	15.1	15.9	15.4	16.1	16.3	15.3	16.0	15.5	16.3	16.5
	8H	15.1	15.8	15.4	16.1	16.3	15.2	16.0	15.5	16.2	16.5
	12H	15.1	15.8	15.4	16.1	16.3	15.2	15.9	15.5	16.2	16.5
4H	2H	15.0	15.8	15.3	16.1	16.3	15.2	16.0	15.5	16.3	16.5
	3H	14.9	15.7	15.3	15.9	16.2	15.1	15.8	15.5	16.1	16.4
	4H	14.9	15.6	15.3	15.9	16.2	15.1	15.8	15.5	16.0	16.4
	6H	15.0	15.5	15.3	15.8	16.2	15.1	15.7	15.5	16.0	16.3
	8H	15.0	15.5	15.4	15.9	16.2	15.1	15.6	15.5	16.0	16.3
	12H	15.0	15.5	15.4	15.9	16.3	15.1	15.5	15.5	15.9	16.3
8H	4H	14.8	15.4	15.2	15.7	16.1	15.0	15.5	15.4	15.9	16.3
	6H	14.9	15.3	15.3	15.7	16.1	15.0	15.5	15.5	15.9	16.3
	8H	15.0	15.3	15.4	15.8	16.2	15.0	15.4	15.5	15.8	16.3
	12H	15.1	15.4	15.6	15.9	16.3	15.0	15.4	15.5	15.8	16.3
12H	4H	14.8	15.3	15.2	15.6	16.0	15.0	15.4	15.4	15.8	16.2
	6H	14.9	15.2	15.3	15.7	16.1	15.0	15.4	15.4	15.8	16.2
	8H	15.0	15.3	15.4	15.7	16.2	15.0	15.3	15.5	15.8	16.3
Variations with the observer position at spacings:											
S = 1.0H	+ 2.7 / - 5.9					+ 2.8 / - 6.7					
1.5H	+ 4.9 / - 5.5					+ 5.0 / - 6.1					
2.0H	+ 4.0 / - 1.9					+ 4.3 / - 2.4					

CIE Pub.117, 2010 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.4$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-07-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm		
NAME: DP125RW-WF01-24G30	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:120	Shielding Angle:

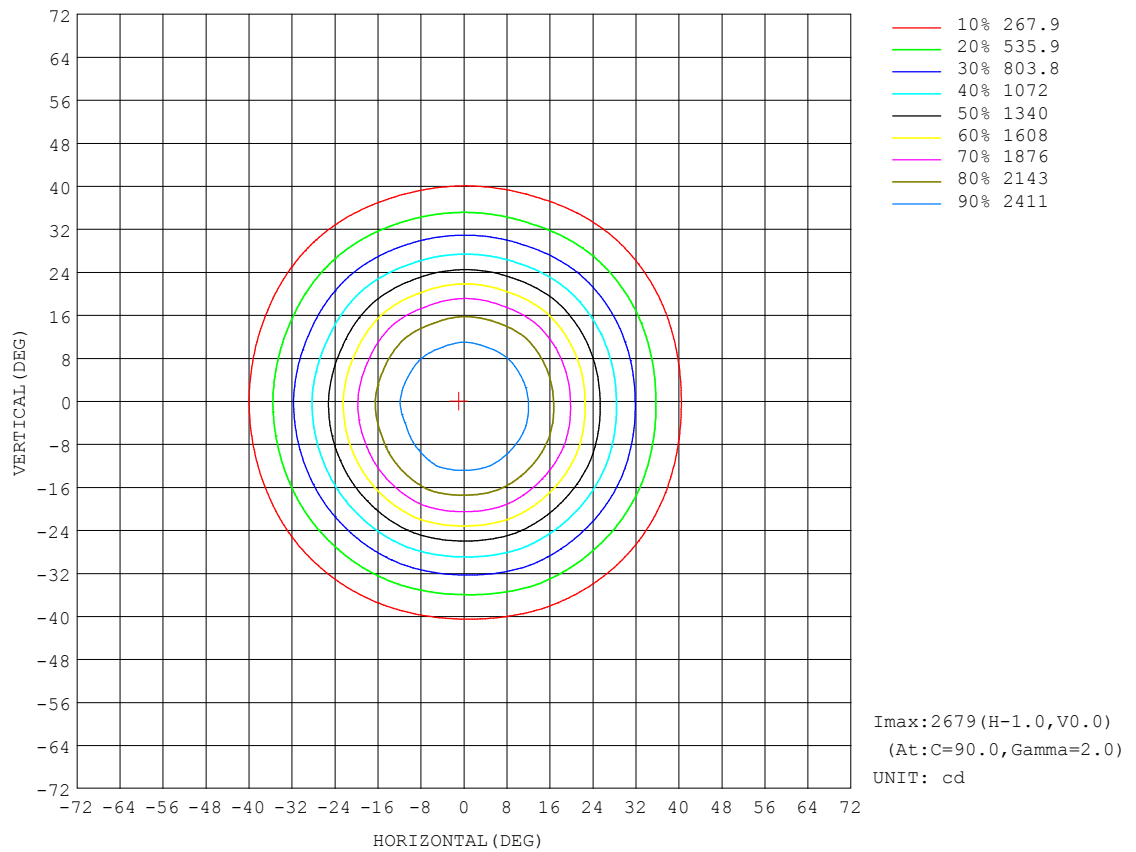
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	92	88	84
1.25	103	97	94	102	97	93	100	96	93	88
1.50	105	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	114	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm		
NAME: DP125RW-WF01-24G30	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:120	Shielding Angle:

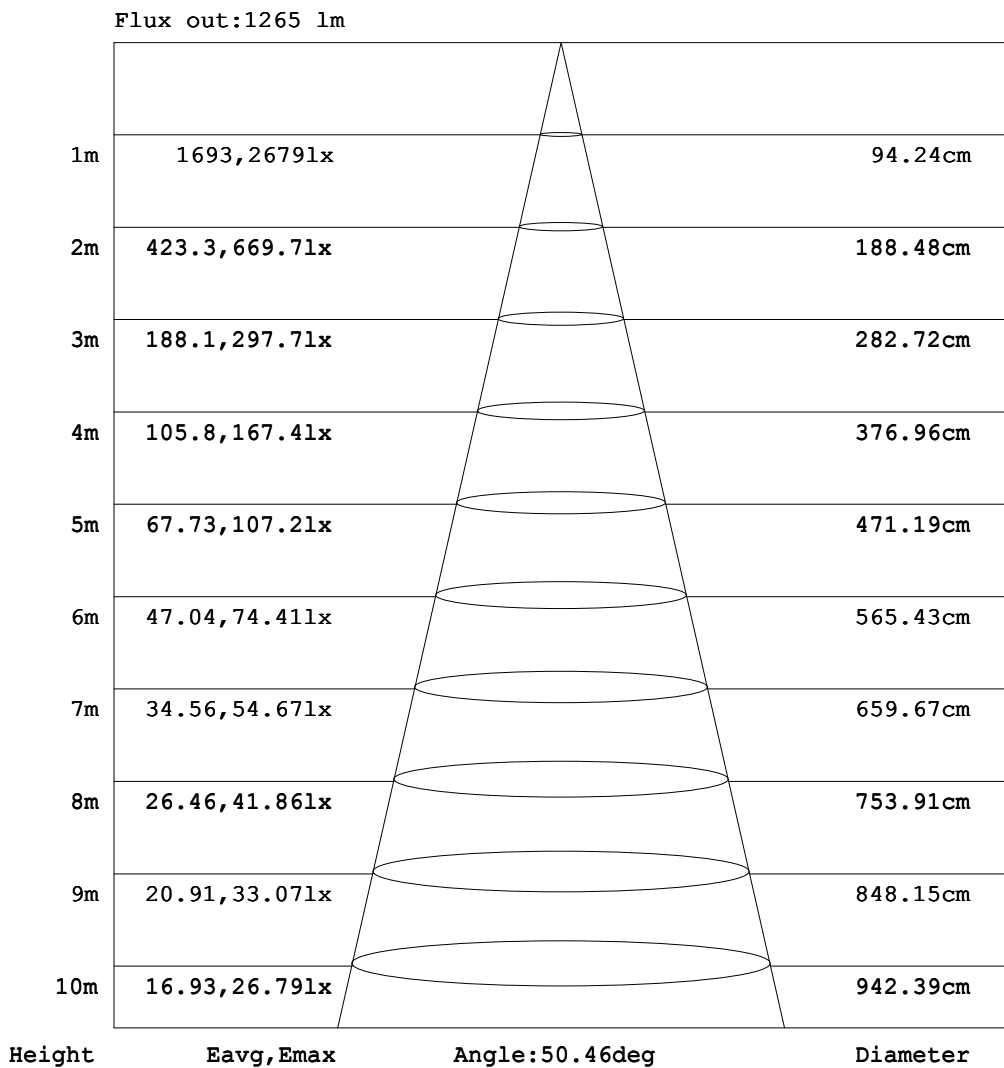


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

AAI Figure

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm		
NAME: DP125RW-WF01-24G30	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:120	Shielding Angle:



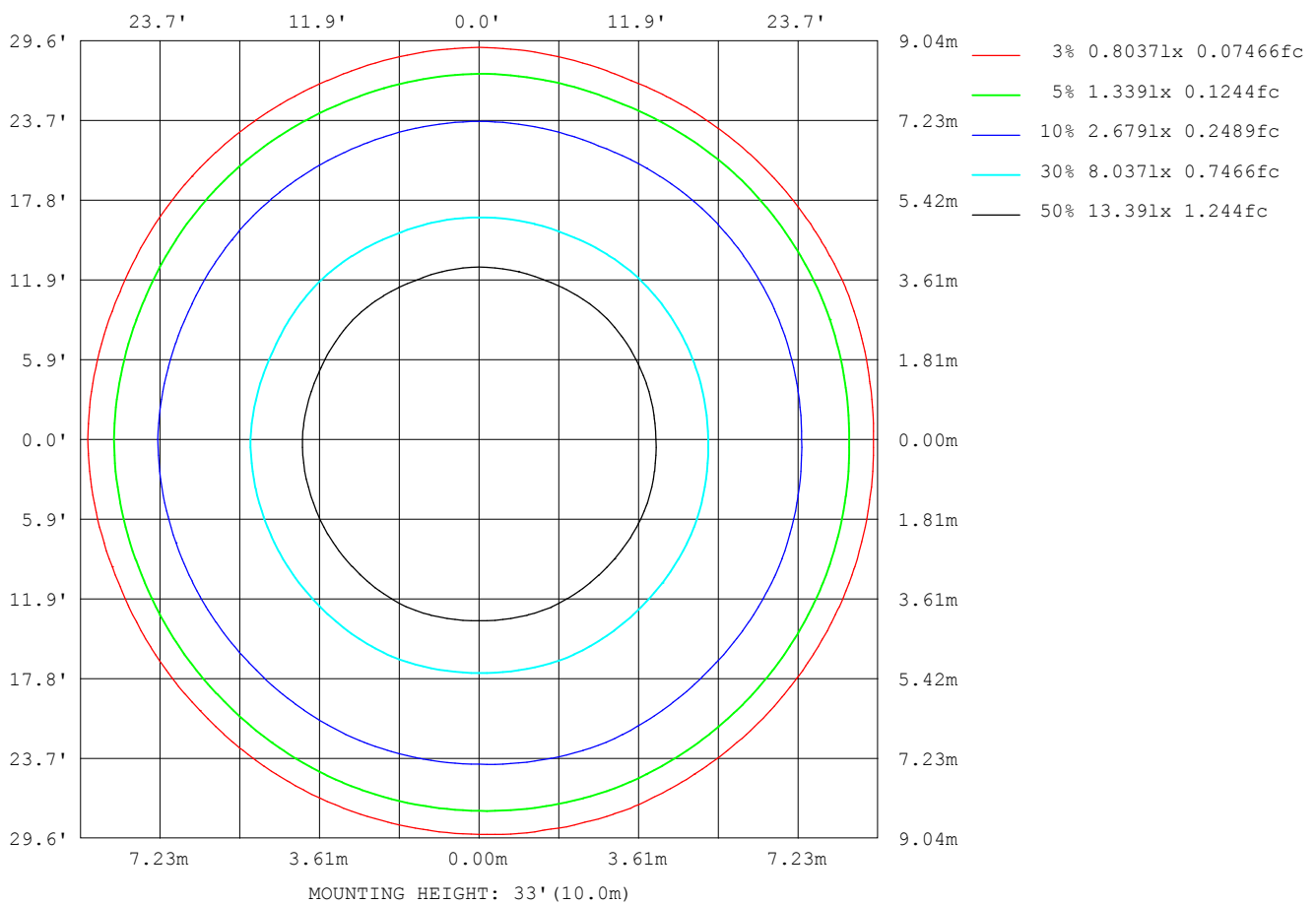
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZR
 Test Date:2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:8.402m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm		
NAME: DP125RW-WF01-24G30	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:120	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:224.9V I:0.1120A P:24.00W PF:0.9520 Freq:50.00Hz Lamp Flux:2009.58x1 lm		
NAME: DP125RW-WF01-24G30	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:120	Shielding Angle:

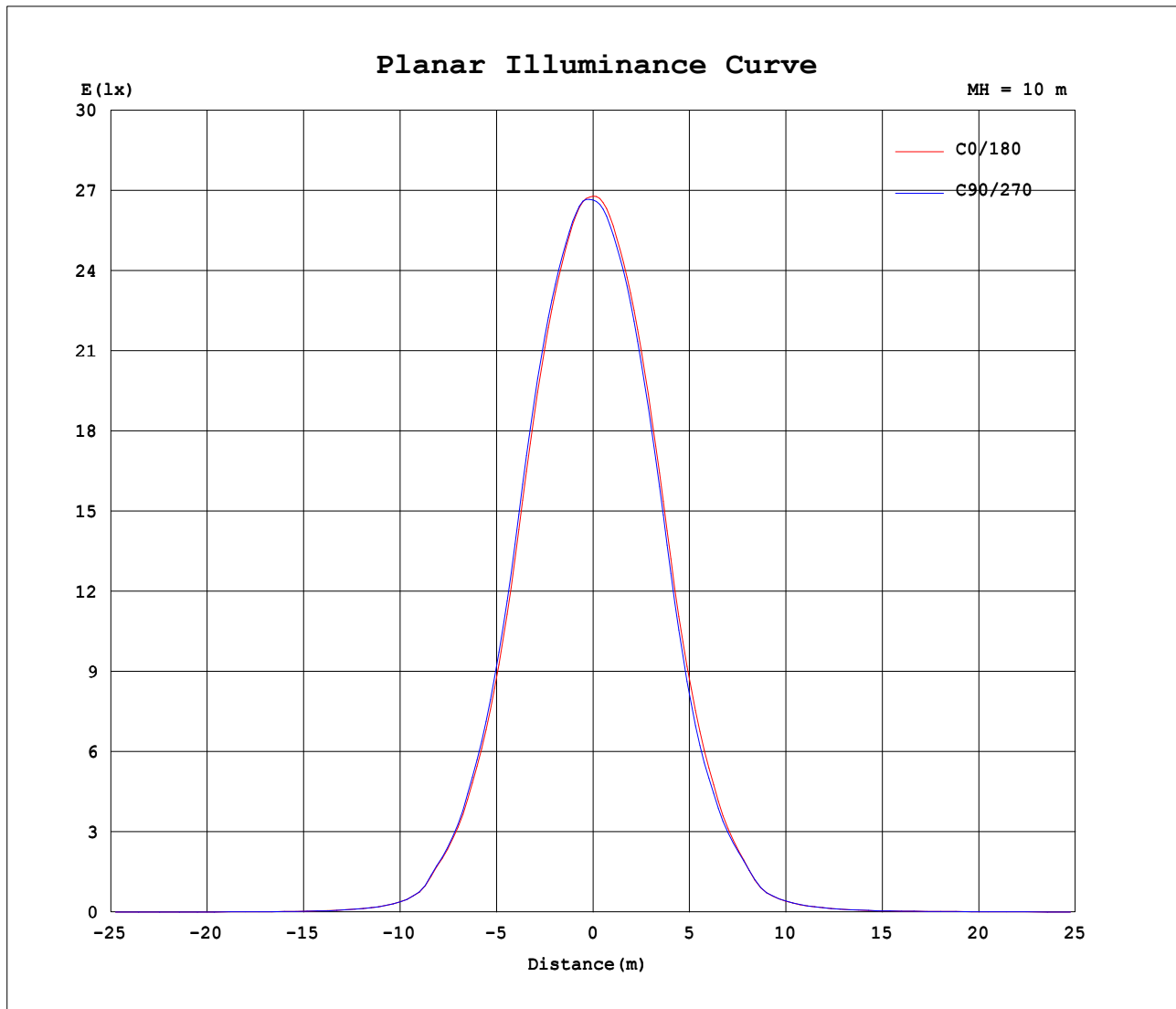
AvgL	cd/m2
L_0~180 (65) av	3173
L_0~180 (75) av	3403
L_0~180 (85) av	6122
L_90~270 (65) av	3138
L_90~270 (75) av	3340
L_90~270 (85) av	4774
L_45 (65) av	3157
L_45 (75) av	3380
L_45 (85) av	5181

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZR
 Test Date:2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:8.402m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZR
Test Date: 2021-07-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 8.402m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

```