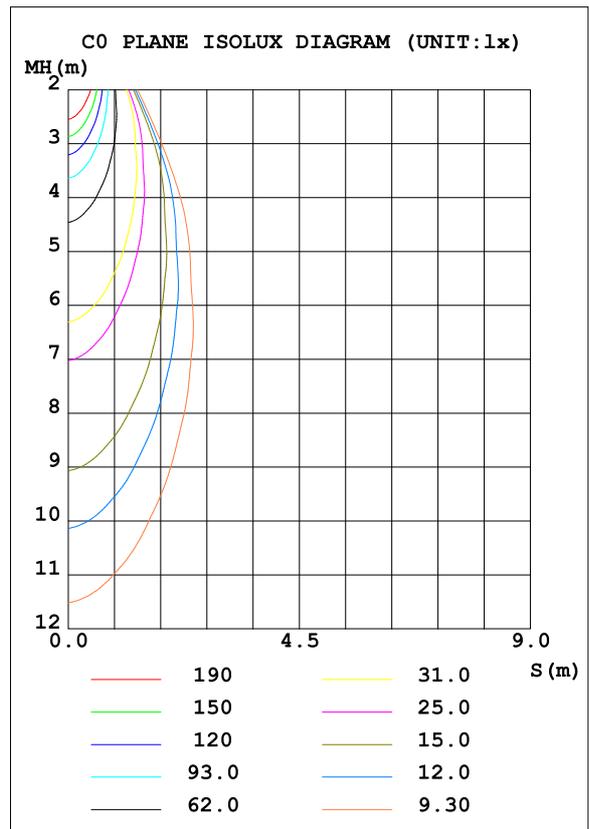
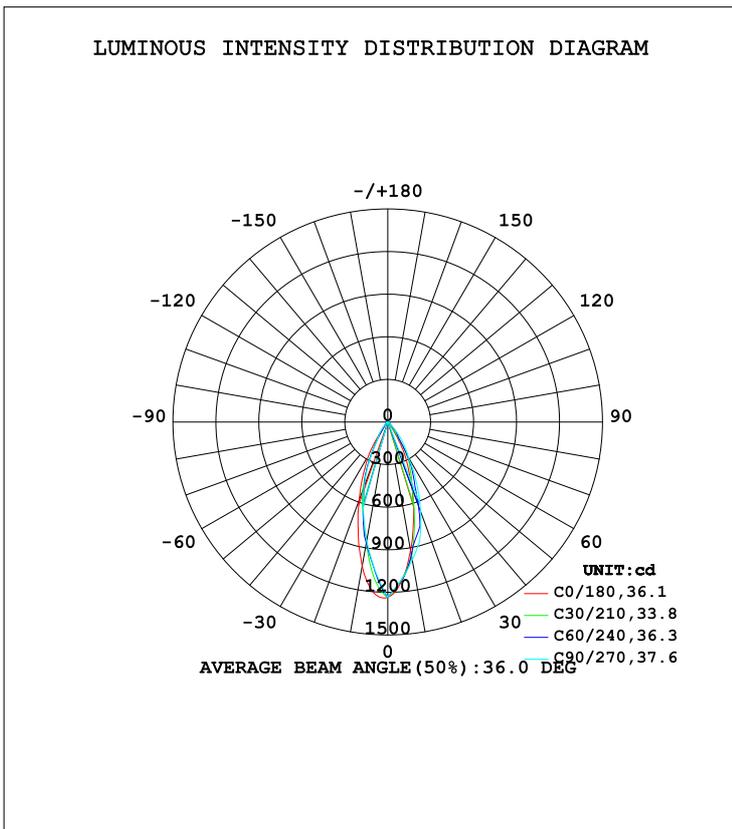


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.06 lm/W
MODEL	DLF1-3W-6NW	Imax (cd)	1240	S/MH (C0/180)	0.62	
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	0.52	
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	592.78	η UP, DN (C0-180)	0.0,55.0	
NOMINAL FLUX (lm)	592.776	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,45.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	0.65	



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

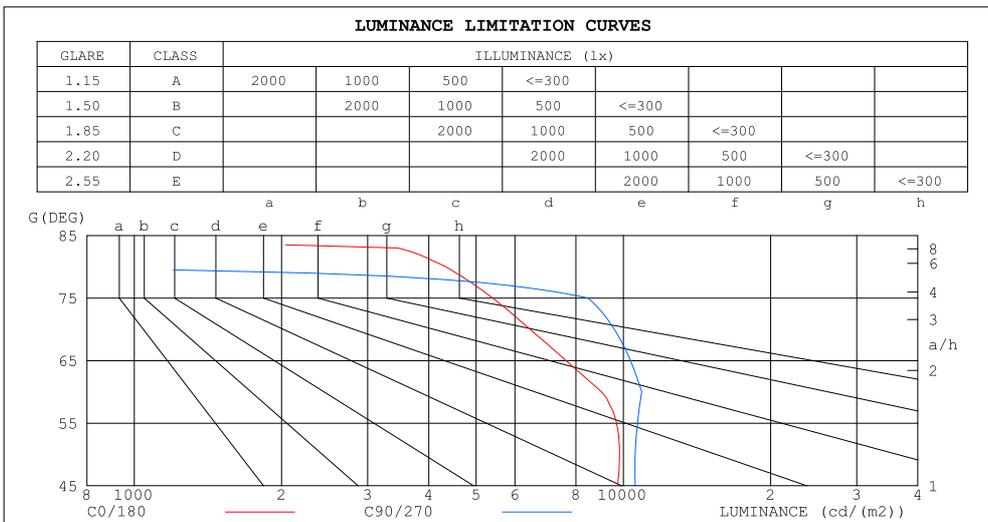
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	918.7	944.6	986.3	946.9	1029	863.9	848.5	860.9	0- 10	99.20	99.20	16.7,16.7
20	498.5	611.1	671.1	585.6	586.1	478.4	484.9	489.6	10- 20	200.0	299.2	50.5,50.5
30	173.7	231.9	288.6	262.4	258.5	193.3	143.8	174.7	20- 30	166.8	466.0	78.6,78.6
40	25.25	29.28	112.6	39.61	32.86	28.35	63.38	25.39	30- 40	67.90	533.9	90.1,90.1
50	20.84	21.45	22.42	23.16	22.36	21.53	20.27	20.31	40- 50	23.25	557.2	94,94
60	14.89	16.12	17.99	17.26	17.35	15.29	14.52	14.16	50- 60	16.87	574.1	96.8,96.8
70	7.271	9.568	10.82	10.17	9.209	7.843	7.778	7.282	60- 70	12.14	586.2	98.9,98.9
80	2.480	3.580	0	3.797	3.722	2.315	0	2.192	70- 80	5.934	592.1	99.9,99.9
90	0.0644	0	0	0	0.0874	0	0	0	80- 90	0.6430	592.8	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		

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

LUMINANCE LIMITATION CURVES

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:



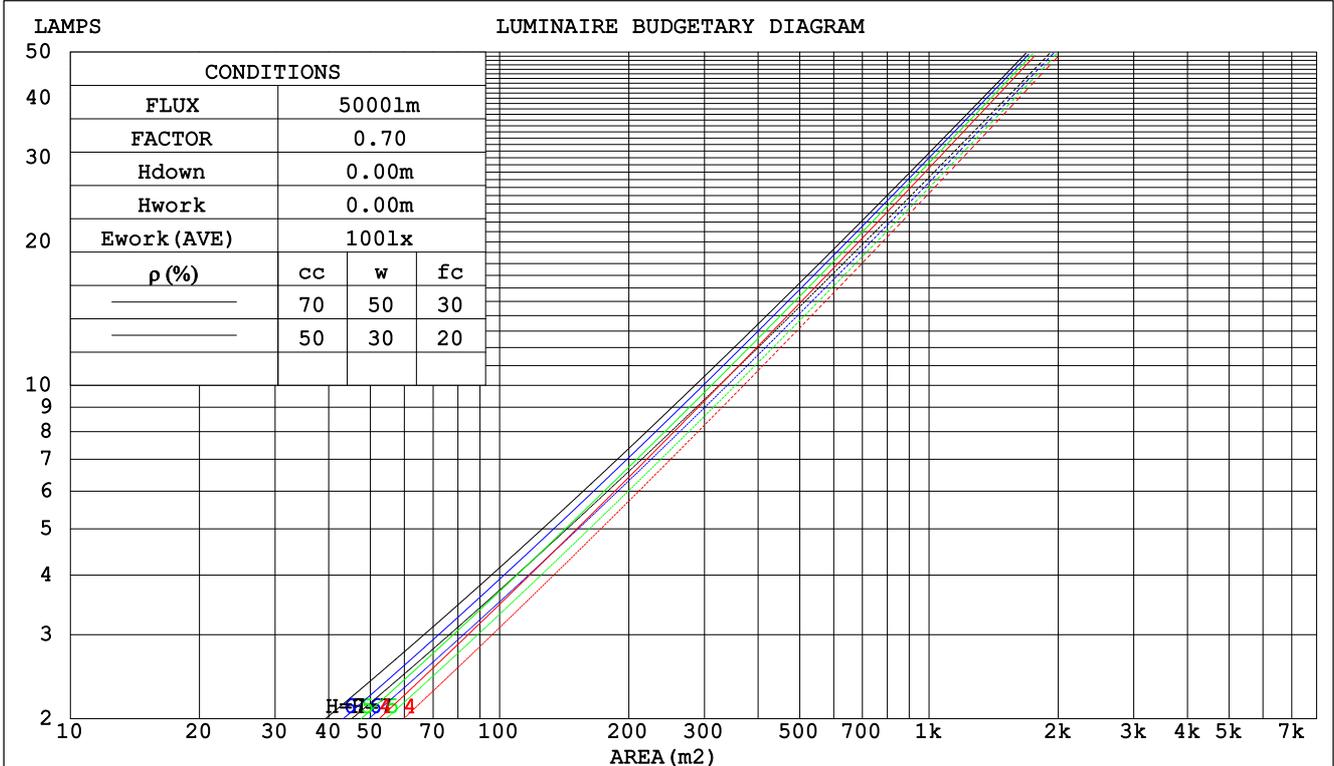
H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0		
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0		
ρw	0																	
ρfc	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	1.00		
1.0	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.94		
2.0	1.03	.99	.96	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87		
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.85	.88	.86	.83	.82		
4.0	.91	.86	.82	.90	.85	.81	.88	.83	.80	.86	.82	.79	.84	.81	.78	.77		
5.0	.86	.80	.76	.85	.80	.76	.83	.79	.75	.81	.78	.74	.80	.77	.74	.72		
6.0	.81	.76	.72	.80	.75	.71	.79	.74	.71	.78	.73	.70	.76	.73	.70	.68		
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65		
8.0	.73	.68	.64	.73	.67	.64	.72	.67	.64	.71	.66	.63	.70	.66	.63	.62		
9.0	.70	.64	.61	.69	.64	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.59		
10.0	.67	.61	.58	.66	.61	.58	.66	.61	.58	.65	.61	.57	.64	.60	.57	.56		



H (β) Range:-90 - 90DEG
H (β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

WEC AND CCEC

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.178	.101	.032	.171	.098	.031	.158	.091	.029	.147	.085	.027	.136	.079	.025	
2.0	.168	.092	.028	.163	.090	.028	.152	.085	.026	.142	.080	.025	.133	.075	.024	
3.0	.159	.084	.025	.154	.082	.025	.145	.079	.024	.137	.075	.023	.129	.071	.022	
4.0	.150	.078	.023	.146	.076	.023	.138	.073	.022	.131	.070	.021	.124	.067	.021	
5.0	.141	.072	.021	.138	.071	.021	.131	.068	.020	.125	.066	.020	.119	.064	.019	
6.0	.134	.067	.019	.131	.066	.019	.125	.064	.019	.119	.062	.018	.114	.060	.018	
7.0	.127	.063	.018	.125	.062	.018	.119	.060	.017	.114	.059	.017	.110	.057	.017	
8.0	.121	.059	.017	.119	.058	.017	.114	.057	.016	.110	.056	.016	.106	.054	.016	
9.0	.116	.056	.016	.114	.055	.016	.109	.054	.015	.106	.053	.015	.102	.052	.015	
10.0	.111	.053	.015	.109	.053	.015	.105	.051	.014	.102	.050	.014	.098	.049	.014	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.114	.085	.064	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.123	.087	.060	.106	.075	.053	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.040	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.037	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.064	.037	.088	.055	.032	.061	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.097	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.080	.047	.025	.055	.033	.017	.032	.019	.010	.010	.006	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

UGR(Unified Glare Rating) Table

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm										
NAME: DLF1-3W-6NW					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:65			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	16.0	16.9	16.2	17.1	17.2	18.7	19.7	19.0	19.8	20.0
3H	16.8	17.7	17.1	17.9	18.1	19.4	20.2	19.6	20.4	20.6
4H	17.1	17.9	17.4	18.1	18.4	19.6	20.4	19.9	20.6	20.9
6H	17.3	18.1	17.6	18.3	18.6	19.6	20.4	19.9	20.6	20.9
8H	17.4	18.1	17.7	18.3	18.6	19.6	20.3	19.9	20.6	20.8
12H	17.4	18.0	17.7	18.3	18.6	19.5	20.2	19.9	20.5	20.8
4H 2H	16.5	17.3	16.7	17.5	17.7	18.8	19.6	19.1	19.9	20.1
3H	17.5	18.2	17.8	18.5	18.7	19.7	20.4	20.0	20.6	20.9
4H	17.9	18.5	18.3	18.8	19.1	20.0	20.7	20.4	21.0	21.3
6H	18.2	18.8	18.6	19.1	19.4	20.1	20.6	20.4	21.0	21.3
8H	18.3	18.8	18.7	19.2	19.5	20.0	20.5	20.4	20.9	21.3
12H	18.3	18.8	18.7	19.2	19.6	20.0	20.4	20.4	20.8	21.2
8H 4H	18.2	18.7	18.6	19.0	19.4	20.1	20.6	20.5	21.0	21.3
6H	18.6	19.0	19.0	19.4	19.8	20.2	20.6	20.6	21.0	21.4
8H	18.8	19.1	19.2	19.6	20.0	20.1	20.5	20.6	20.9	21.3
12H	18.9	19.2	19.3	19.6	20.1	20.0	20.4	20.5	20.8	21.3
12H 4H	18.1	18.6	18.5	19.0	19.4	20.1	20.6	20.5	20.9	21.3
6H	18.6	19.0	19.0	19.4	19.8	20.1	20.5	20.6	20.9	21.4
8H	18.8	19.1	19.2	19.5	20.0	20.1	20.4	20.6	20.8	21.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 2.1 / - 1.9				
1.5H	+ 0.3 / - 0.4					+ 4.1 / - 1.9				
2.0H	+ 0.3 / - 0.7					+ 0.2 / - 0.5				

CIE Pub.117, 592.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.8)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

UTILIZATION FACTORS TABLE

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:

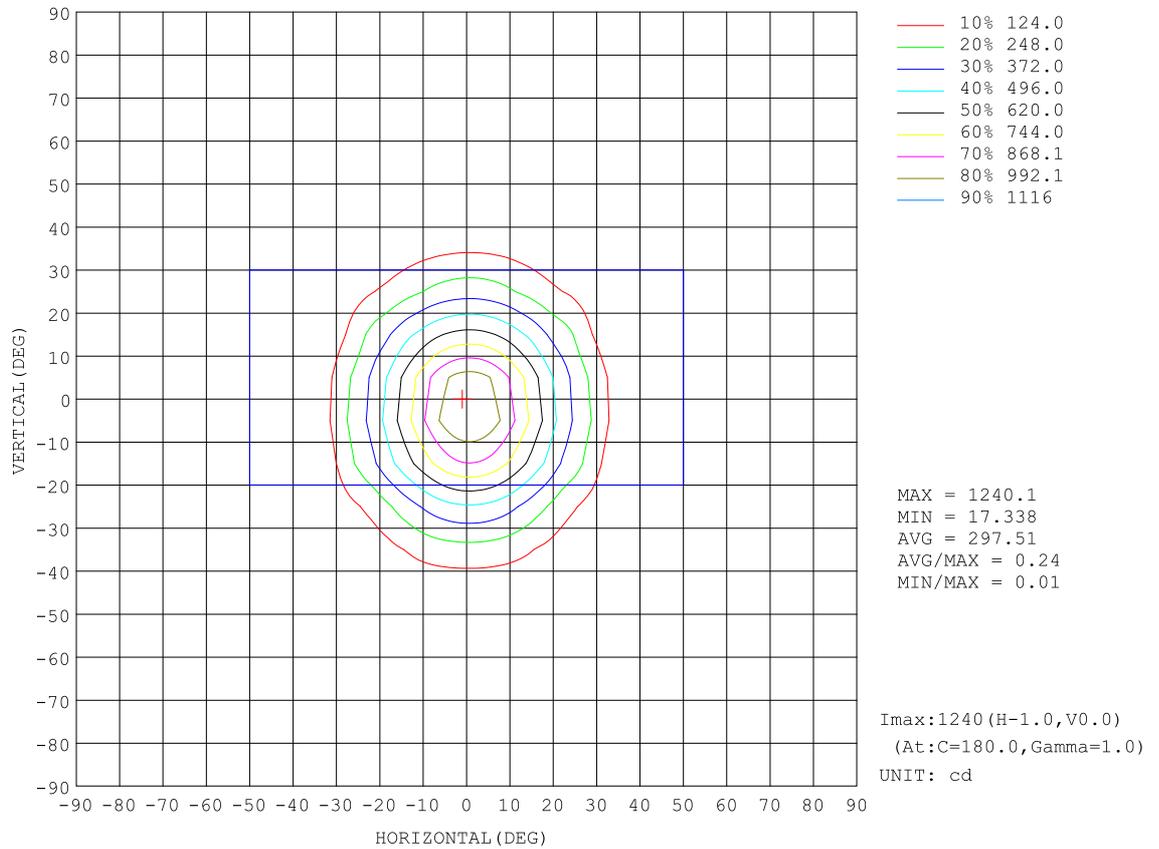
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	85	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	87	95	91	87	83
1.25	102	96	92	101	96	92	99	94	91	87
1.50	105	99	96	103	99	95	101	97	94	90
2.00	107	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	108	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

ISOCANDELA DIAGRAM

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:

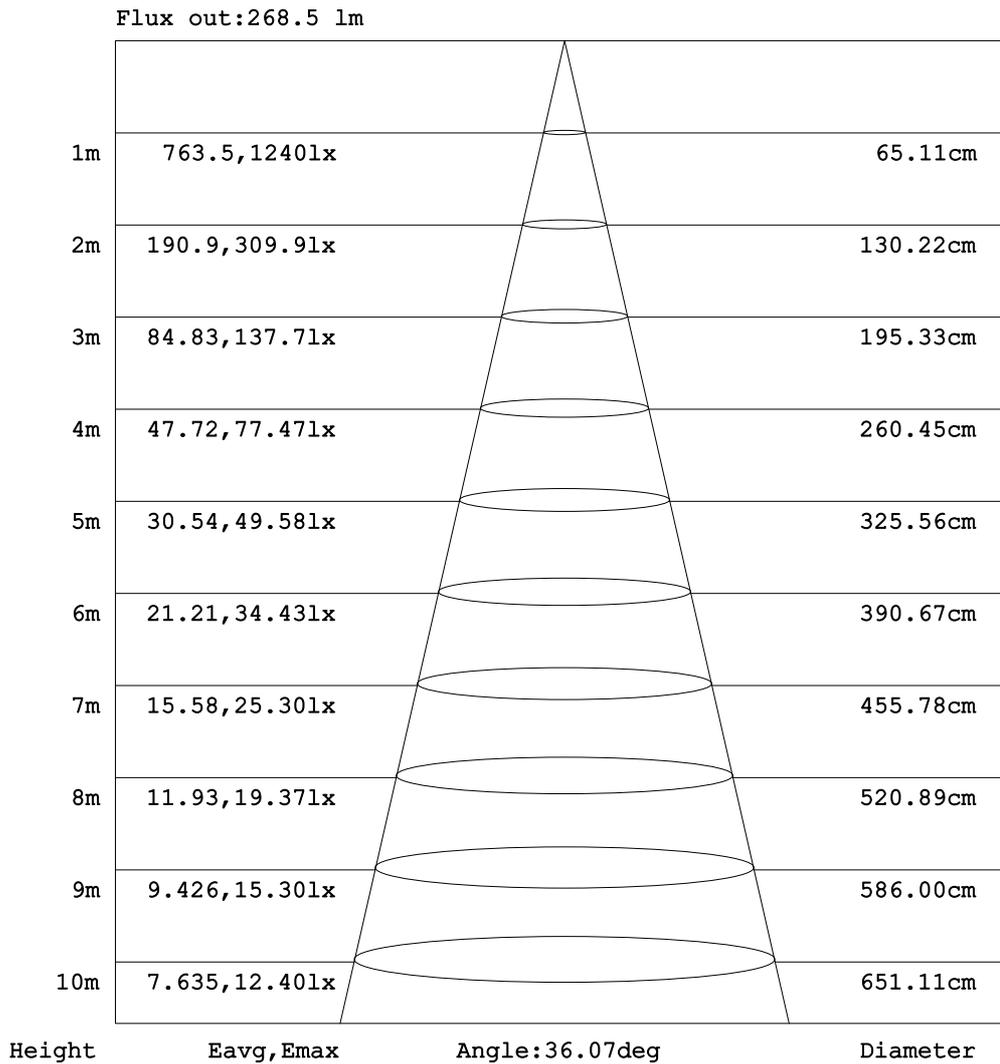


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-10

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: DLF1-3W-6NW

AAI Figure

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:



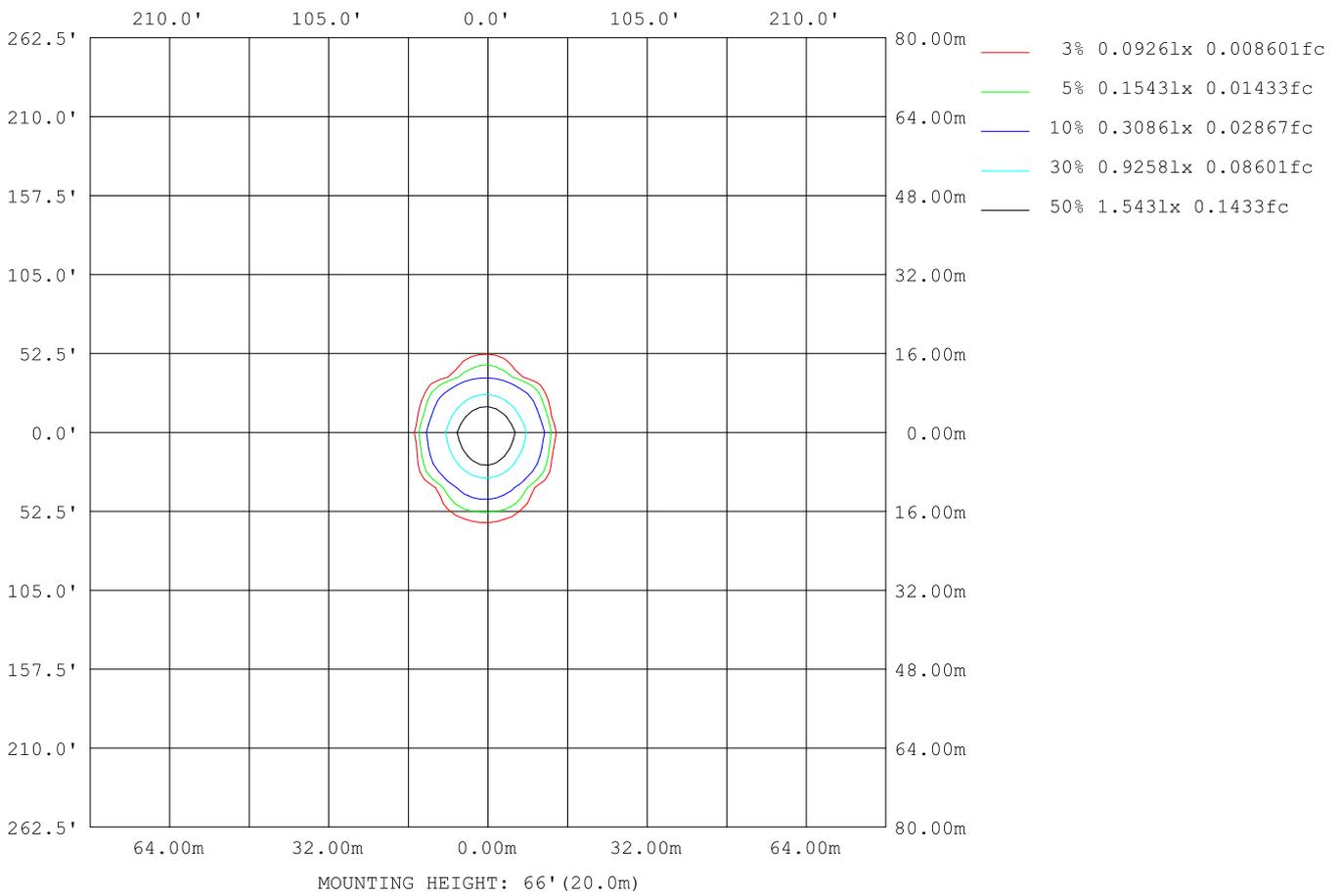
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

ISOLUX DIAGRAM

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

LED Avg.L Report

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	Shielding Angle:

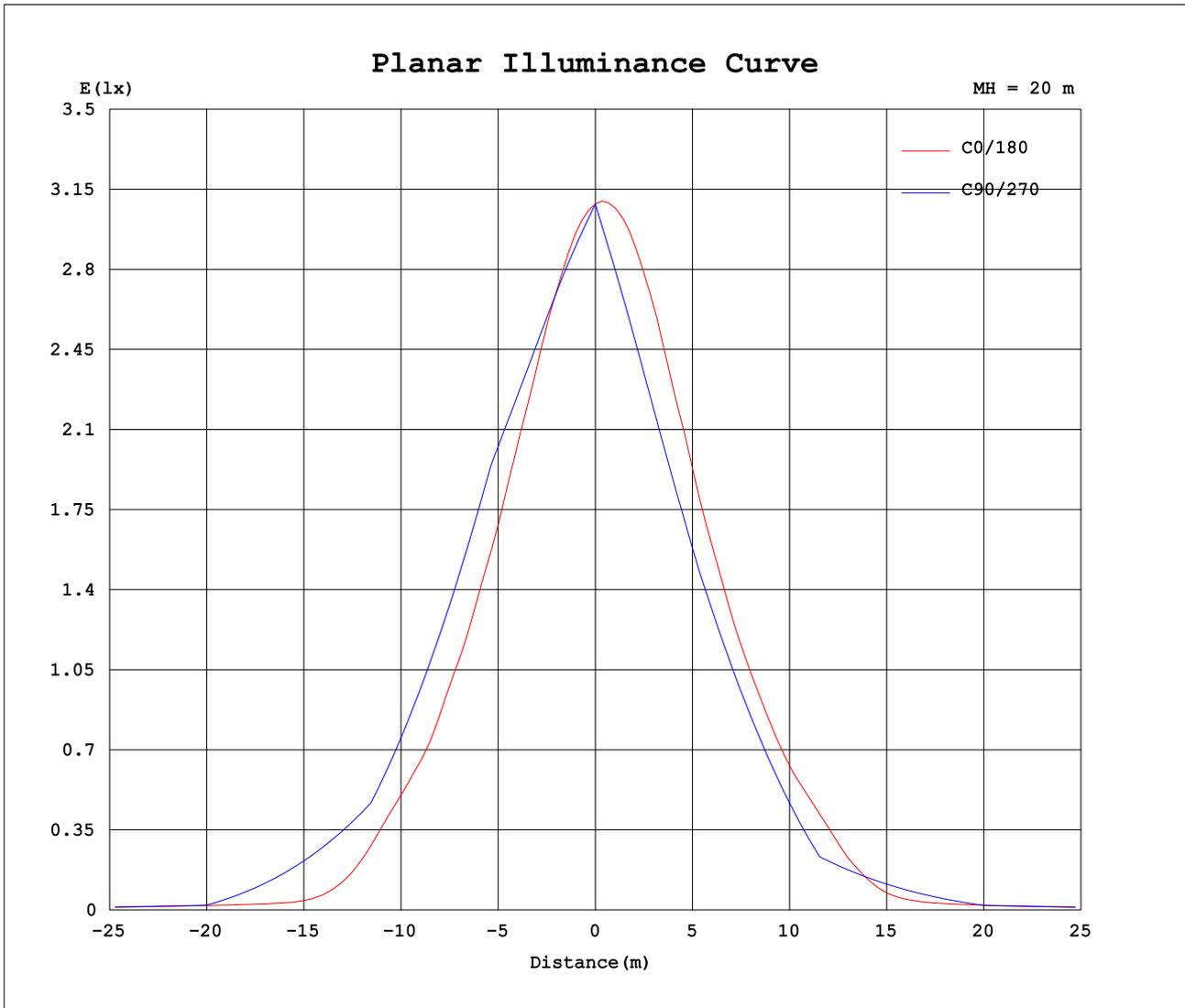
AvgL	cd/m2
L_0~180 (65) av	8530
L_0~180 (75) av	6309
L_0~180 (85) av	3207
L_90~270 (65) av	9176
L_90~270 (75) av	6814
L_90~270 (85) av	0
L_45 (65) av	8640
L_45 (75) av	6975
L_45 (85) av	0

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.240m [K=1.0000]
Remarks: DLF1-3W-6NW

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-10

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: DLF1-3W-6NW

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.39V I:0.0535A P:6.1709W PF:0.5006 Freq:49.99Hz Lamp Flux:592.776x1 lm		
NAME: DLF1-3W-6NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:65	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	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234				
5	1050	1053	1056	1058	1062	1065	1068	1071	1075	1079	1084	1089	1096	1103	1112				
10	839	838	839	841	846	852	861	872	887	903	902	900	901	904	910				
15	662	661	659	654	647	638	628	624	640	658	679	705	703	697	695				
20	475	473	474	476	482	489	490	474	455	437	453	481	510	507	500				
25	317	314	308	302	295	290	303	318	335	320	298	293	322	345	330				
30	144	147	154	163	172	172	175	172	183	194	180	149	156	194	190				
35	91.3	78.2	62.8	48.8	41.7	65.8	87.2	90.2	73.0	60.2	64.2	55.2	44.6	63.5	64.8				
40	54.9	49.6	43.2	37.4	31.6	27.1	25.4	34.4	36.4	28.9	25.9	26.7	25.6	26.1	27.1				
45	27.3	27.5	26.4	24.8	23.8	23.4	23.2	22.8	22.7	23.3	22.9	22.6	23.2	22.5	23.2				
50	20.2	20.3	20.5	20.8	21.1	20.7	20.3	20.5	20.8	20.7	20.9	20.7	21.0	20.8	21.2				
55	17.3	17.3	17.2	17.2	17.4	17.8	18.5	18.0	17.6	18.3	18.1	18.6	17.9	18.9	18.6				
60	14.1	14.0	13.9	14.0	14.1	14.2	14.2	14.6	15.2	14.1	14.9	14.6	15.3	15.4	14.8				
65	11.0	10.9	10.7	10.4	10.2	10.3	10.7	10.9	10.4	10.8	10.6	11.2	10.6	10.3	10.5				
70	7.65	7.62	7.60	7.58	7.58	7.52	7.28	6.99	7.34	7.52	7.15	7.49	7.91	7.99	7.89				
75	4.50	4.55	4.60	4.64	4.66	4.65	4.68	4.77	4.88	4.60	4.72	4.67	4.99	4.94	4.87				
80	0.29	0.50	0.77	1.08	1.43	1.80	2.19	2.51	2.54	2.51	2.65	2.62	2.81	2.94	2.94				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.93	0.88	0.95	1.17				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(β) Range:-90 - 90DEG
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V(B) Range:-75 - 75DEG
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