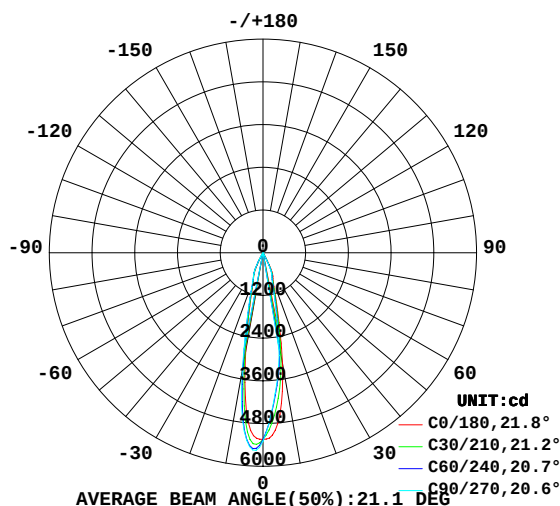


LUMINAIRE PHOTOMETRIC TEST REPORT

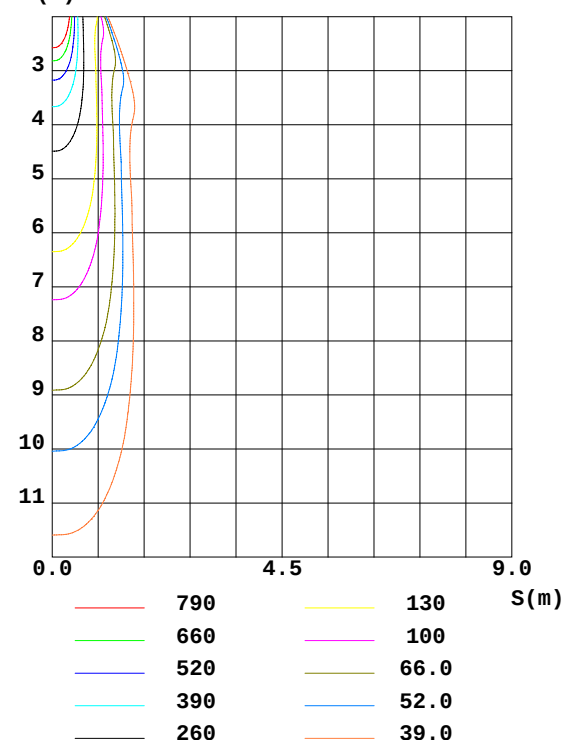
NAME: CL-Dot12-uls-3000K-Ra90-12w-20D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.78 lm/W			
MODEL		Imax(cd)	5559	S/MH(C0/180)	0.38
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1040.3	η UP, DN(C0-180)	0.2, 46.2
NOMINAL FLUX(lm)	1040.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 53.4
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η down(%)	99.6	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [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	3134	2762	2580	2616	2813	3096	3364	3350	0- 10	393.8	393.8	37.9, 37.9
20	831.6	769.9	726.0	749.9	791.0	808.6	831.3	833.0	10- 20	409.8	803.6	77.2, 77.2
30	128.0	77.61	63.72	61.41	68.77	102.9	134.3	143.3	20- 30	213.7	1017	97.8, 97.8
40	5.861	5.966	5.704	5.216	4.836	5.306	5.494	5.587	30- 40	15.72	1033	99.3, 99.3
50	1.864	2.011	1.701	1.563	1.398	1.361	1.419	1.576	40- 50	2.596	1036	99.6, 99.6
60	0	0	0	0	0	0	0	0.0001	50- 60	0.5483	1036	99.6, 99.6
70	0	0	0	0	0	0	0	0	60- 70	0.0000	1036	99.6, 99.6
80	0	0	0	0	0	0	0	0	70- 80	0	1036	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	0	1036	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0	1036	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	1036	99.6, 99.6
120	0	0	0	0	0	0	0	0	110-120	0	1036	99.6, 99.6
130	0	0	0	0	0.0002	0	0	0	120-130	0.0000	1036	99.6, 99.6
140	0.3200	0.3869	0.4538	0.4294	0.4682	0.3847	0.3155	0.3399	130-140	0.0942	1036	99.6, 99.6
150	1.711	1.878	2.022	1.996	1.871	1.666	1.528	1.563	140-150	0.5851	1037	99.7, 99.7
160	4.325	4.530	4.679	4.636	4.354	4.080	3.924	3.960	150-160	1.360	1038	99.8, 99.8
170	6.224	6.203	6.234	6.229	6.192	6.003	5.922	5.949	160-170	1.491	1040	99.9, 99.9
180	6.607	6.498	6.503	6.543	6.630	6.503	6.498	6.545	170-180	0.6006	1040	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

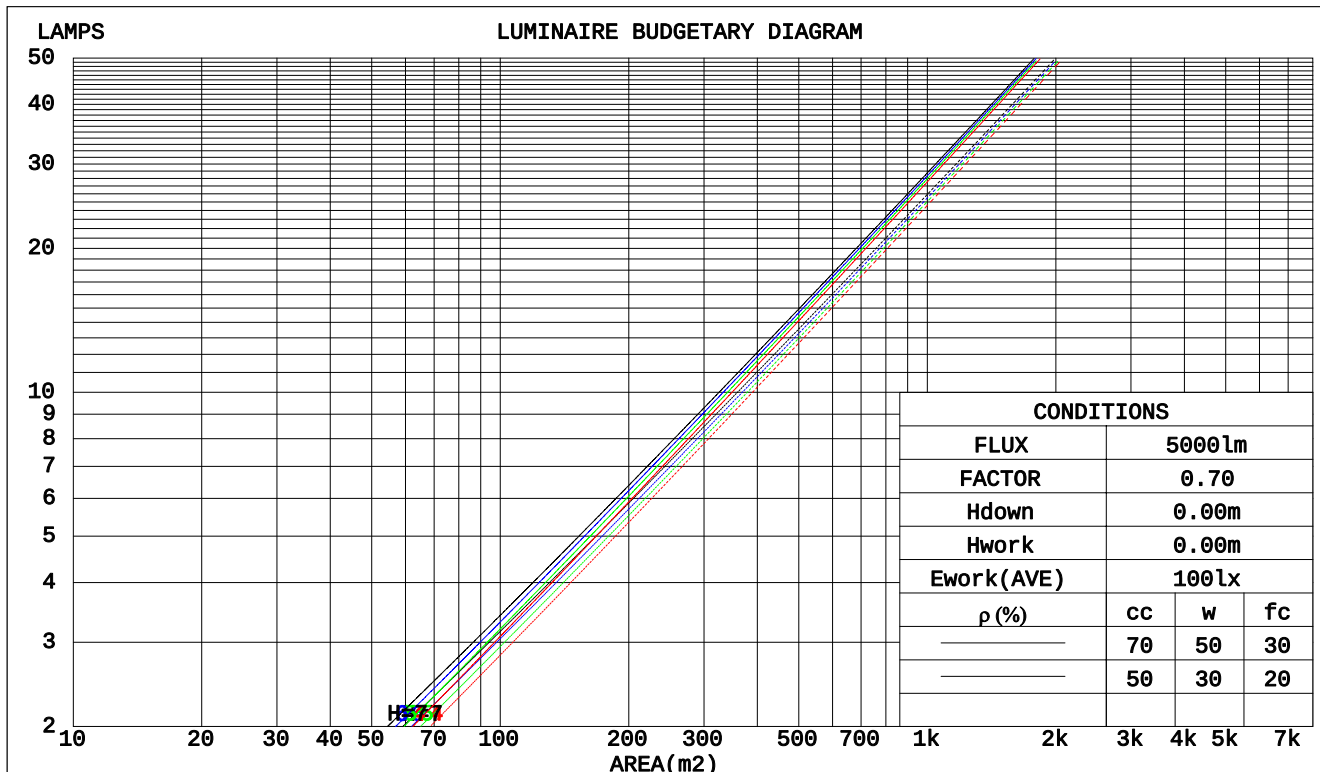
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: Dot12-s-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.00
1.0	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	1.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.00	.97	1.02	.99	.96	.99	.97	.95	.97	.95	.93	.95	.93	.92	.90
4.0	.99	.96	.93	.98	.95	.92	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.91	.89	.93	.90	.88	.92	.89	.87	.90	.88	.86	.85
6.0	.93	.89	.86	.92	.88	.85	.91	.87	.85	.89	.86	.84	.88	.86	.84	.83
7.0	.90	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.86	.83	.81	.80
8.0	.87	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.80	.84	.81	.79	.78
9.0	.85	.81	.78	.84	.80	.78	.83	.80	.78	.83	.80	.77	.82	.79	.77	.76
10.0	.82	.78	.76	.82	.78	.76	.81	.78	.76	.81	.78	.75	.80	.77	.75	.74



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: Dot12-S-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.134	.076	.024	.128	.073	.023	.115	.066	.021	.103	.060	.019	.093	.054	.017		
2.0	.124	.068	.021	.119	.065	.020	.108	.060	.019	.099	.055	.017	.090	.051	.016		
3.0	.116	.062	.018	.111	.059	.018	.102	.055	.017	.094	.052	.016	.087	.048	.015		
4.0	.108	.056	.017	.105	.055	.016	.097	.052	.015	.090	.049	.015	.084	.046	.014		
5.0	.102	.052	.015	.099	.051	.015	.093	.048	.014	.087	.046	.014	.081	.043	.013		
6.0	.097	.048	.014	.094	.047	.014	.088	.045	.013	.083	.043	.013	.079	.041	.012		
7.0	.092	.045	.013	.089	.045	.013	.085	.043	.012	.080	.041	.012	.076	.040	.012		
8.0	.088	.043	.012	.085	.042	.012	.081	.041	.012	.077	.039	.011	.074	.038	.011		
9.0	.084	.041	.011	.082	.040	.011	.078	.039	.011	.075	.037	.011	.072	.036	.010		
10.0	.080	.038	.011	.079	.038	.011	.075	.037	.010	.072	.036	.010	.069	.035	.010		

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.194	.194	.194	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.171	.161	.151	.147	.138	.130	.100	.095	.090	.058	.055	.052	.018	.018	.017		
2.0	.153	.136	.121	.131	.117	.105	.090	.081	.073	.052	.047	.043	.017	.015	.014		
3.0	.138	.116	.099	.118	.100	.086	.081	.070	.060	.047	.041	.036	.015	.013	.012		
4.0	.125	.101	.082	.107	.087	.072	.074	.061	.050	.043	.036	.030	.014	.012	.010		
5.0	.115	.089	.069	.098	.077	.060	.068	.054	.043	.039	.031	.025	.013	.010	.008		
6.0	.106	.079	.059	.091	.068	.051	.063	.048	.036	.036	.028	.022	.012	.009	.007		
7.0	.098	.070	.051	.084	.061	.044	.058	.043	.031	.034	.025	.019	.011	.008	.006		
8.0	.092	.064	.044	.079	.055	.039	.055	.039	.027	.032	.023	.016	.010	.007	.005		
9.0	.086	.058	.039	.074	.050	.034	.051	.035	.024	.030	.021	.014	.010	.007	.005		
10.0	.081	.053	.035	.070	.046	.030	.048	.032	.021	.028	.019	.013	.009	.006	.004		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Uncorrected UGR Table

NAME: Dot12-S-3000K-RA90-6W-20D.						TYPE:					WEIGHT:				
DIM.:						SPEC.:					SERIAL No.:				
MFR.: 0						SUR.:					PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	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	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	0.2	0.2	0.2	0.2	0.2
Room dimensions						Viewed crosswise					Viewed endwise				
x = 2H y = 2H						-10.6	-10.0	-10.4	-9.8	-9.7	-11.3	-10.7	-11.1	-10.6	-10.4
3H						-10.8	-10.2	-10.5	-10.0	-9.8	-11.5	-10.9	-11.3	-10.7	-10.5
4H						-10.9	-10.3	-10.6	-10.1	-9.9	-11.6	-11.0	-11.3	-10.8	-10.6
6H						-10.9	-10.4	-10.7	-10.2	-9.9	-11.7	-11.1	-11.4	-10.9	-10.6
8H						-11.0	-10.5	-10.7	-10.2	-10.0	-11.7	-11.2	-11.4	-10.9	-10.7
12H						-11.0	-10.5	-10.7	-10.3	-10.0	-11.7	-11.3	-11.4	-11.0	-10.7
4H 2H						-10.9	-10.3	-10.6	-10.1	-9.9	-11.6	-11.0	-11.3	-10.8	-10.6
3H						-11.0	-10.5	-10.7	-10.3	-10.0	-11.7	-11.2	-11.4	-11.0	-10.7
4H						-11.1	-10.7	-10.8	-10.4	-10.1	-11.8	-11.4	-11.5	-11.1	-10.8
6H						-11.2	-10.8	-10.9	-10.5	-10.2	-11.9	-11.5	-11.6	-11.2	-10.9
8H						-11.3	-10.9	-10.9	-10.6	-10.2	-12.0	-11.6	-11.6	-11.3	-10.9
12H						-11.3	-11.0	-10.9	-10.6	-10.2	-12.1	-11.7	-11.6	-11.3	-10.9
8H 4H						-11.3	-10.9	-10.9	-10.6	-10.2	-12.0	-11.6	-11.6	-11.3	-10.9
6H						-11.4	-11.1	-11.0	-10.7	-10.3	-12.1	-11.8	-11.7	-11.4	-11.0
8H						-11.5	-11.2	-11.0	-10.8	-10.3	-12.2	-11.9	-11.7	-11.5	-11.0
12H						-11.5	-11.3	-11.1	-10.8	-10.4	-12.2	-12.0	-11.8	-11.6	-11.1
12H 4H						-11.3	-11.0	-10.9	-10.6	-10.2	-12.1	-11.7	-11.6	-11.3	-10.9
6H						-11.5	-11.2	-11.0	-10.8	-10.3	-12.2	-11.9	-11.7	-11.5	-11.0
8H						-11.5	-11.3	-11.1	-10.8	-10.4	-12.2	-12.0	-11.8	-11.6	-11.1
Variations with the observer position at spacings:															
S = 1.0H						+ 3.7 / -11.4					+ 2.8 / -16.2				
1.5H						+ 5.0 / - 7.4					+ 3.8 / - 7.3				
2.0H						+ 5.6 / - 1.5					+ 6.0 / - 1.5				

CIE Pub.117 Corrected 1040 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.1)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: Dot12-s-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

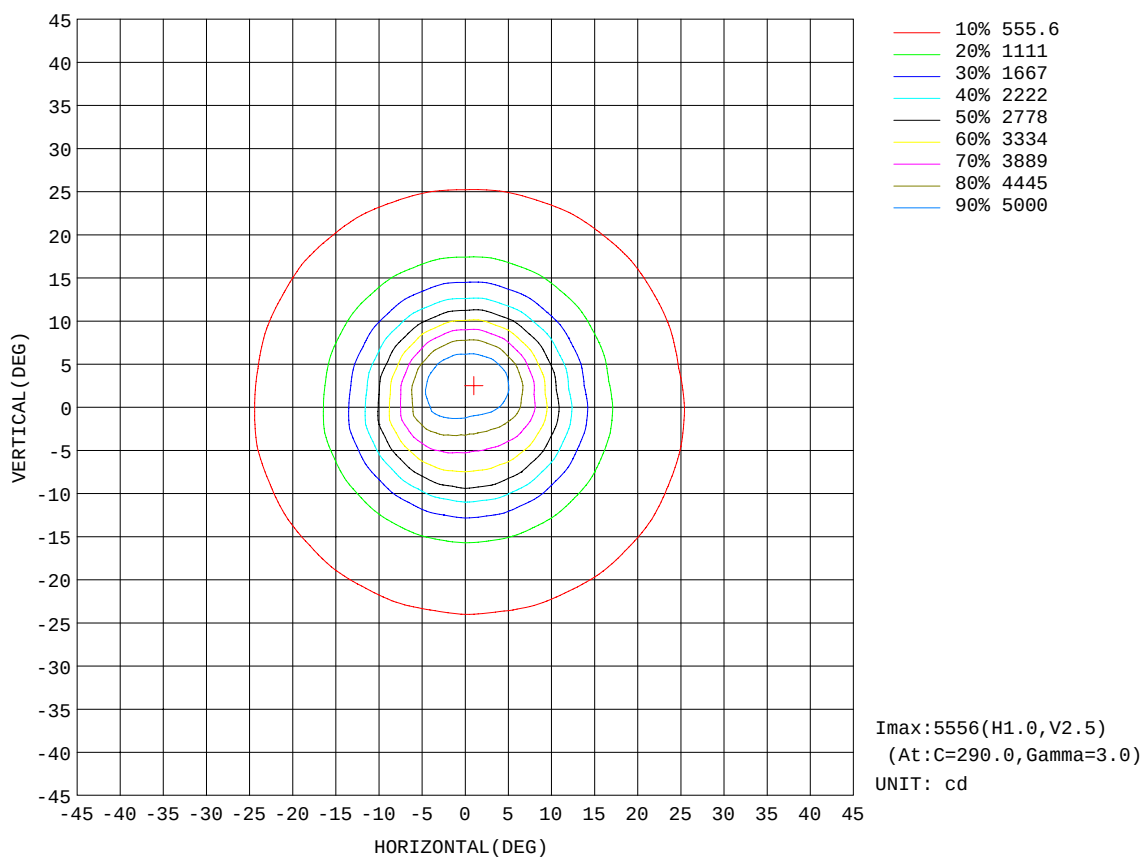
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	91	85	82	91	85	82	90	85	82	79
0.80	98	93	90	97	93	90	96	92	89	86
1.00	102	97	94	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	92
1.50	108	103	101	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: Dot12-S-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

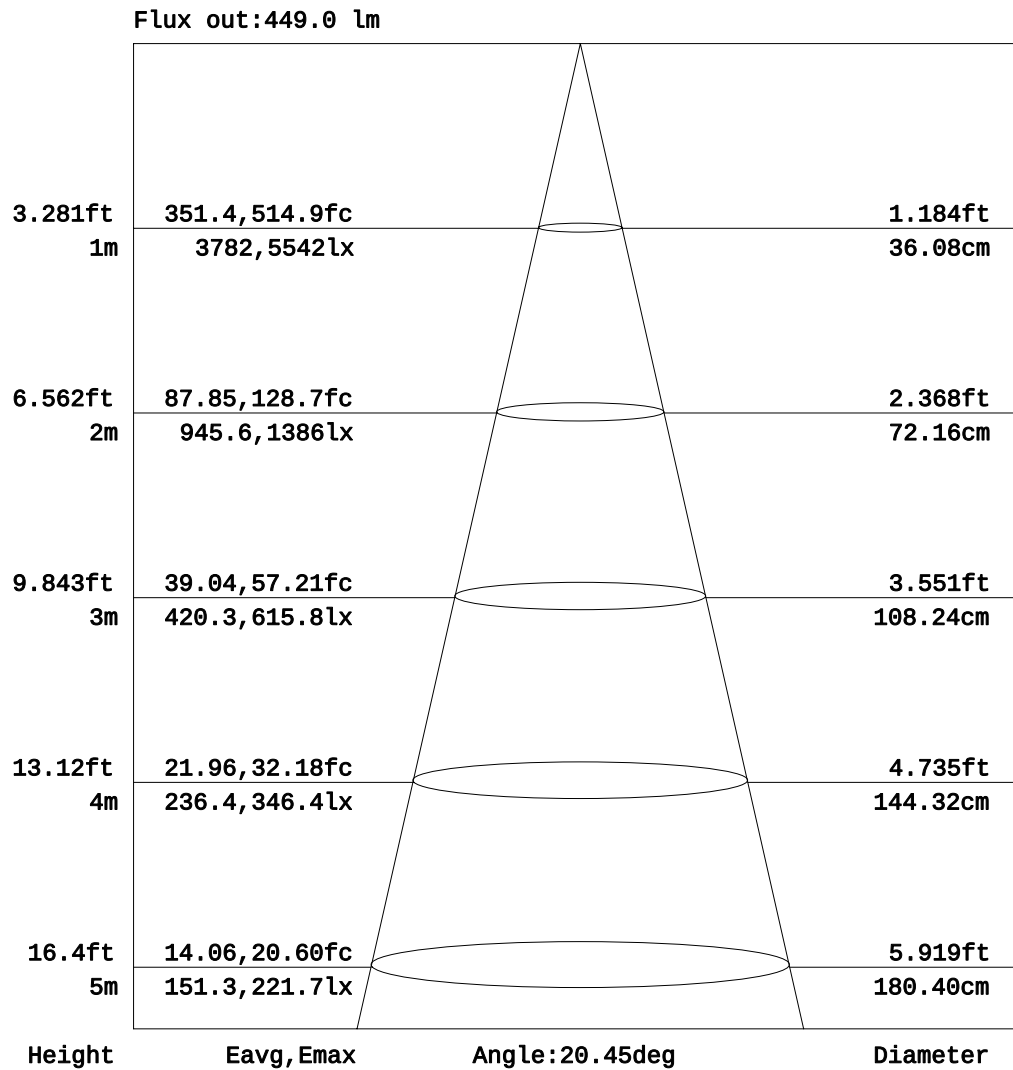


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

AAI Figure

NAME: Dot12-S-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



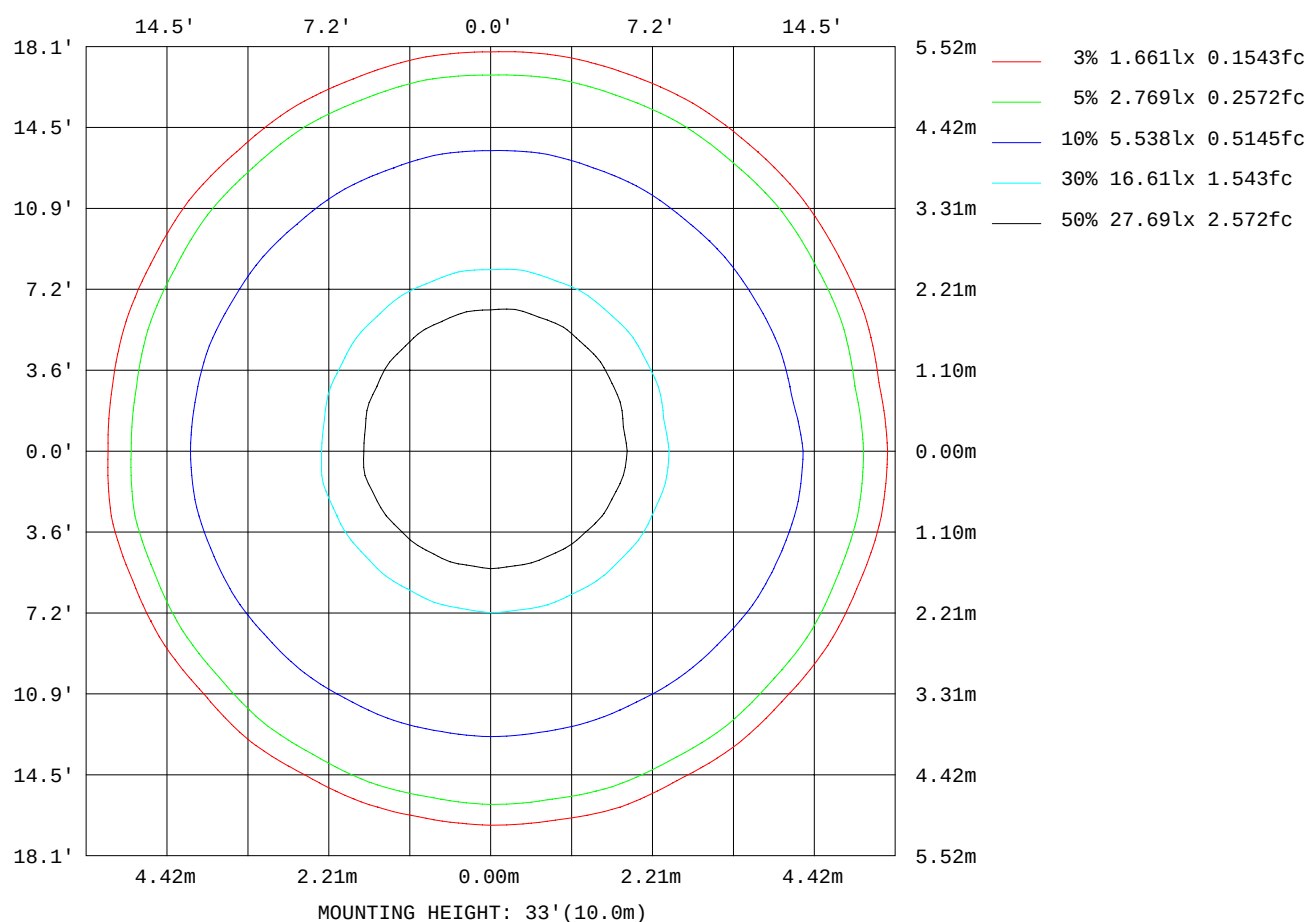
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: Dot12-s-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: Dot12-s-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	1040.3	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	13	12	13	13	13	12	13	13	13	10	9	9	10	9	9	9	10	10	8
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum calculated	specified maximum	maximum measured	specified maximum
Category 1	55 to 90	13	200	---	500
Category 2	65 to 90	0	200	---	500
Category 3	75 to 90	0	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: Dot12-s-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	1040.3	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	13	12	13	13	13	12	13	13	13	10	9	9	10	9	9	9	10	10	8
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	13	1000	1500	200	500
65 to 90	0	1000	1500	200	500

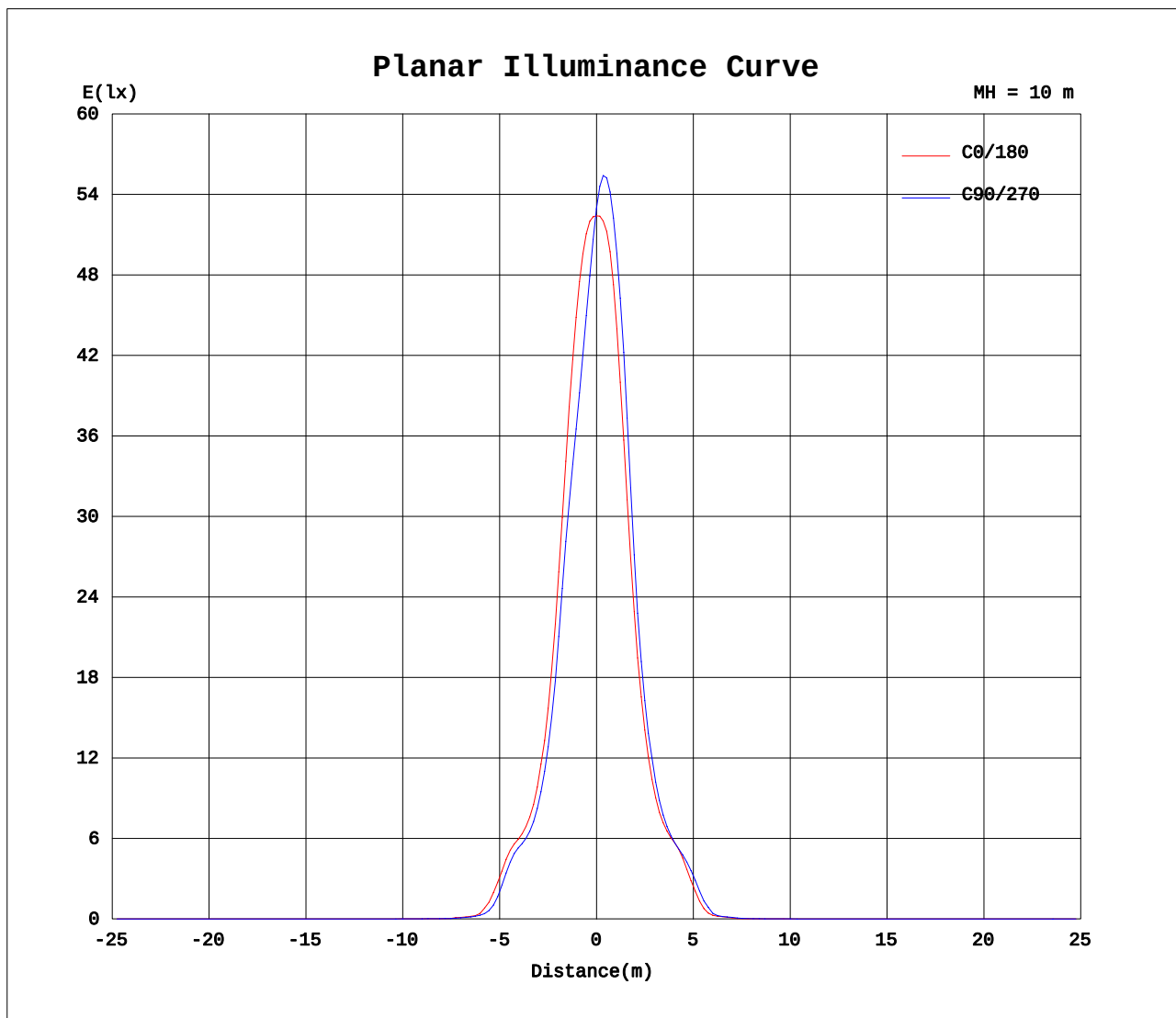
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

The luminaire satisfies the specified luminance criteria for
Negative Software with Type I & II Screen(Good to Moderate treatment).

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Dot12-s-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	5242	5238	5231	5244	5237	5260	5249	5279	5264	5294	5278	5306	5292	5315	5300	5311	5298	5297	5242
5	4806	4661	4476	4355	4200	4117	4010	3984	3931	3966	3970	4055	4109	4243	4334	4491	4599	4765	4782
10	3134	3084	2945	2901	2776	2748	2647	2644	2560	2580	2528	2576	2547	2620	2613	2716	2739	2872	2813
15	1476	1466	1405	1393	1349	1317	1279	1256	1230	1223	1216	1224	1232	1255	1271	1302	1328	1369	1341
20	832	827	808	798	776	764	744	737	725	726	723	730	734	747	753	766	773	790	791
25	599	596	570	563	533	524	496	489	463	461	446	454	444	459	456	480	484	513	497
30	128	106	107	89.2	78.7	76.5	69.6	69.2	64.1	63.7	60.4	62.5	59.9	62.2	60.6	65.4	66.5	75.4	68.8
35	23.7	23.0	21.7	21.2	20.5	20.2	19.2	19.2	17.8	17.0	15.8	16.1	15.6	15.7	15.2	15.9	16.3	19.5	17.8
40	5.86	5.83	5.56	5.78	5.93	6.01	5.82	5.95	5.80	5.70	5.61	5.52	5.19	5.23	5.20	5.24	5.21	5.17	4.84
45	3.31	3.31	3.36	3.51	3.74	3.78	3.76	3.77	3.73	3.52	3.41	3.30	3.32	3.33	3.28	3.32	3.26	3.20	2.87
50	1.86	1.88	1.94	1.96	1.95	2.07	2.00	2.02	1.98	1.70	1.49	1.54	1.71	1.67	1.45	1.51	1.58	1.63	1.40
55	0.74	0.70	0.74	0.74	0.73	0.71	0.73	0.73	0.73	0.55	0.52	0.54	0.60	0.50	0.51	0.52	0.60	0.58	0.47
60	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	0.00	0.00	0.00	0.00
65	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	0.00	0.00	0.00	0.00
70	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	0.00	0.00	0.00	0.00
75	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	0.00	0.00	0.00	0.00
80	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	0.00	0.00	0.00	0.00
85	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	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00
95	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	0.00	0.00	0.00	0.00
100	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	0.00	0.00	0.00	0.00
105	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	0.00	0.00	0.00	0.00
110	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	0.00	0.00	0.00	0.00
115	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	0.00	0.00	0.00	0.00
120	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	0.00	0.00	0.00	0.00
125	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	0.00	0.00	0.00	0.00
130	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	0.00	0.00	0.00	0.00
135	0.04	0.09	0.05	0.09	0.06	0.10	0.07	0.12	0.09	0.14	0.09	0.14	0.09	0.14	0.09	0.12	0.08	0.12	0.17
140	0.32	0.37	0.33	0.39	0.37	0.41	0.39	0.43	0.41	0.45	0.41	0.45	0.41	0.45	0.41	0.44	0.39	0.41	0.47
145	0.82	0.87	0.85	0.90	0.90	0.95	0.95	0.98	0.98	1.02	0.99	1.02	0.99	1.02	0.98	0.99	0.94	0.94	0.99
150	1.71	1.76	1.78	1.83	1.85	1.90	1.93	1.97	1.99	2.02	2.03	2.04	2.02	2.01	1.98	1.96	1.91	1.88	1.87
155	2.98	3.03	3.06	3.13	3.17	3.23	3.27	3.31	3.35	3.37	3.39	3.38	3.36	3.34	3.31	3.27	3.22	3.15	3.07
160	4.32	4.39	4.41	4.46	4.50	4.56	4.58	4.63	4.65	4.68	4.67	4.69	4.66	4.66	4.62	4.59	4.53	4.49	4.35
165	5.52	5.57	5.56	5.60	5.59	5.65	5.62	5.67	5.66	5.69	5.68	5.71	5.68	5.70	5.67	5.67	5.63	5.63	5.51
170	6.22	6.26	6.20	6.24	6.19	6.22	6.18	6.22	6.18	6.23	6.20	6.24	6.19	6.25	6.21	6.26	6.22	6.27	6.19
175	6.43	6.47	6.38	6.41	6.33	6.37	6.32	6.37	6.32	6.38	6.34	6.40	6.35	6.41	6.38	6.45	6.43	6.51	6.45
180	6.61	6.61	6.55	6.55	6.50	6.50	6.48	6.50	6.49	6.50	6.50	6.52	6.52	6.54	6.55	6.57	6.62	6.65	6.63

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Dot12-s-3000K-RA90-6W-20D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	5238	5231	5244	5237	5260	5249	5279	5264	5294	5278	5306	5292	5315	5300	5311	5298	5297		
5	4864	4992	5053	5160	5197	5260	5269	5297	5285	5310	5320	5354	5331	5306	5199	5098	4924		
10	2821	2955	2946	3095	3097	3254	3251	3376	3364	3453	3396	3439	3348	3352	3241	3228	3072		
15	1355	1387	1387	1445	1449	1504	1502	1551	1536	1578	1551	1578	1537	1551	1498	1497	1431		
20	790	800	797	808	809	823	821	835	831	842	833	840	830	835	823	824	810		
25	500	528	530	553	553	568	565	576	571	581	577	586	582	590	585	588	569		
30	71.8	80.8	83.1	94.4	111	106	124	120	134	131	145	139	148	138	140	121	118		
35	18.6	20.6	21.3	23.5	23.6	24.0	23.1	23.5	23.3	24.6	25.1	26.6	26.7	26.8	25.2	24.3	22.7		
40	4.67	4.75	4.74	5.17	5.44	5.60	5.57	5.57	5.49	5.59	5.41	5.42	5.55	5.63	5.69	5.69	5.55		
45	2.73	2.81	2.89	3.06	3.15	3.29	3.34	3.40	3.26	3.19	3.15	3.29	3.30	3.34	3.44	3.48	3.37		
50	1.27	1.28	1.33	1.33	1.39	1.47	1.50	1.58	1.42	1.32	1.45	1.63	1.56	1.59	1.74	1.88	1.88		
55	0.42	0.36	0.41	0.37	0.42	0.43	0.49	0.47	0.44	0.39	0.52	0.54	0.53	0.55	0.66	0.74	0.78		
60	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	0.00	0.00		
65	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	0.00	0.00		
70	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	0.00	0.00		
75	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	0.00	0.00		
80	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	0.00	0.00		
85	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	0.00	0.00		
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	0.00	0.00		
95	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	0.00	0.00		
100	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	0.00	0.00		
105	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	0.00	0.00		
110	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	0.00	0.00		
115	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	0.00	0.00		
120	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	0.00	0.00		
125	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	0.00	0.00		
130	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	0.00	0.00		
135	0.11	0.15	0.09	0.13	0.08	0.12	0.07	0.10	0.07	0.10	0.05	0.10	0.06	0.10	0.07	0.12	0.08		
140	0.42	0.44	0.39	0.42	0.35	0.39	0.32	0.35	0.32	0.35	0.31	0.35	0.32	0.36	0.33	0.38	0.35		
145	0.93	0.94	0.90	0.89	0.84	0.85	0.80	0.81	0.77	0.80	0.76	0.80	0.77	0.81	0.79	0.85	0.84		
150	1.82	1.78	1.73	1.70	1.64	1.62	1.57	1.57	1.53	1.54	1.52	1.55	1.55	1.58	1.59	1.65	1.68		
155	3.00	2.95	2.89	2.83	2.78	2.74	2.69	2.67	2.64	2.64	2.63	2.64	2.66	2.70	2.73	2.78	2.84		
160	4.27	4.22	4.15	4.11	4.05	4.01	3.97	3.95	3.92	3.92	3.91	3.92	3.94	3.98	4.01	4.06	4.11		
165	5.43	5.39	5.32	5.30	5.23	5.22	5.17	5.16	5.13	5.14	5.11	5.14	5.13	5.18	5.19	5.25	5.28		
170	6.11	6.10	6.02	6.04	5.97	5.99	5.94	5.98	5.92	5.95	5.91	5.95	5.92	5.98	5.95	6.03	6.02		
175	6.38	6.40	6.32	6.36	6.30	6.35	6.30	6.35	6.31	6.35	6.30	6.35	6.30	6.36	6.33	6.39	6.38		
180	6.58	6.58	6.51	6.52	6.49	6.49	6.49	6.49	6.50	6.51	6.51	6.53	6.54	6.55	6.57	6.61	6.64		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
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Operators:0
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γ Range: 0 - 180DEG
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Humidity:65.0%
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