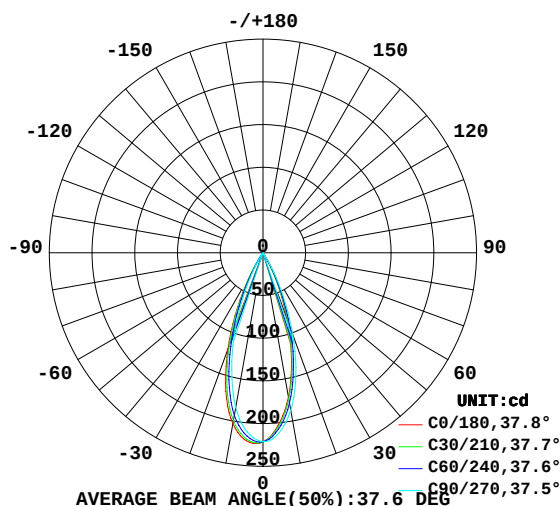


LUMINAIRE PHOTOMETRIC TEST REPORT

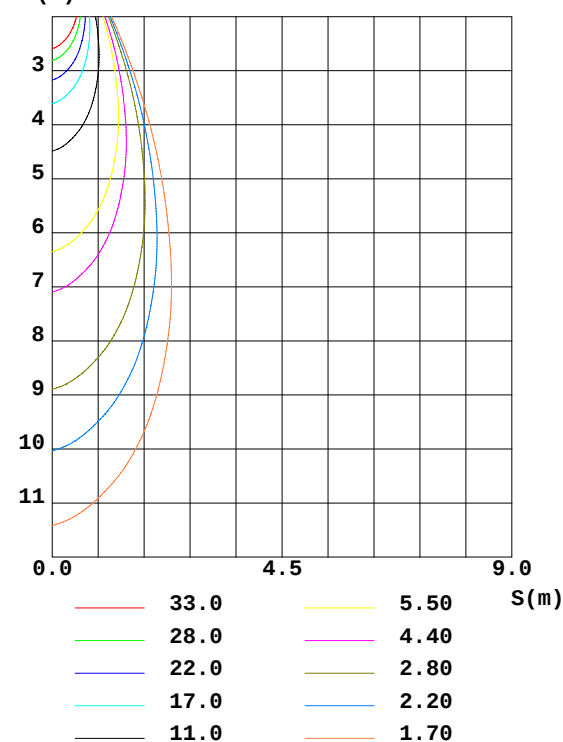
NAME: CL-Dot01 3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 40.94 lm/W			
MODEL		I _{max} (cd)	223.5	S/MH(C0/180)	0.56
NOMINAL POWER(W)	2	LOR(%)	100.0	S/MH(C90/270)	0.61
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	87.452	η UP, DN(C0-180)	0.1, 50.8
NOMINAL FLUX(lm)	87.4521	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.0
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.8	CIBSE SHR MAX	0.65

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: tang
Test Date: 2022-04-07

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	171.6	176.2	187.4	200.5	202.9	196.8	184.0	172.4	0- 10	19.39	19.39	22.2, 22.2
20	82.95	88.95	102.3	118.4	120.1	111.4	95.15	82.84	10- 20	39.98	59.37	67.9, 67.9
30	11.12	14.84	20.82	28.77	28.17	23.96	16.52	10.74	20- 30	24.97	84.34	96.4, 96.4
40	0.0005	0.0168	0.0327	0.2607	0.1825	0.1958	0.0386	0.0167	30- 40	2.957	87.30	99.8, 99.8
50	0	0	0	0	0	0	0	0	40- 50	0.0093	87.30	99.8, 99.8
60	0	0	0	0	0	0	0	0	50- 60	0	87.30	99.8, 99.8
70	0	0	0	0	0	0	0	0	60- 70	0	87.30	99.8, 99.8
80	0	0	0	0	0	0	0	0	70- 80	0	87.30	99.8, 99.8
90	0	0	0	0	0	0	0	0	80- 90	0	87.30	99.8, 99.8
100	0	0	0	0	0	0	0	0	90-100	0	87.30	99.8, 99.8
110	0	0	0	0	0	0	0	0	100-110	0	87.30	99.8, 99.8
120	0	0	0	0	0	0	0	0	110-120	0	87.30	99.8, 99.8
130	0	0	0	0	0	0	0	0	120-130	0	87.30	99.8, 99.8
140	0	0	0	0	0	0	0	0	130-140	0	87.30	99.8, 99.8
150	0.0376	0.0425	0.0426	0.0119	0.0238	0.0143	0	0.0496	140-150	0.0030	87.31	99.8, 99.8
160	0.1793	0.1982	0.1984	0.1533	0.1747	0.1534	0.1463	0.2029	150-160	0.0444	87.35	99.9, 99.9
170	0.3114	0.3280	0.3352	0.2949	0.3210	0.2973	0.2925	0.3303	160-170	0.0676	87.42	100, 100
180	0.3775	0.3728	0.3775	0.3681	0.3775	0.3705	0.3728	0.3728	170-180	0.0327	87.45	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

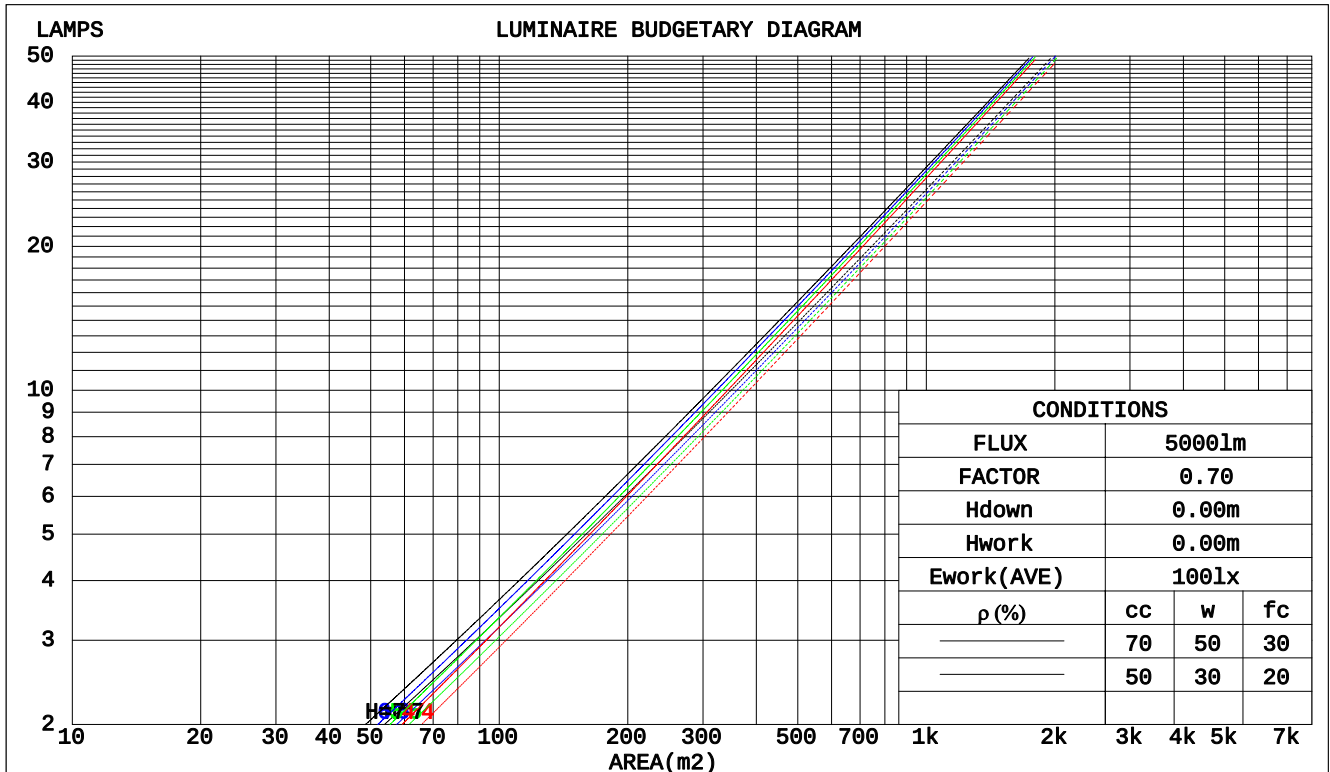
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: tang
 Test Date: 2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.07	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.97	.94	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84
5.0	.93	.88	.85	.92	.88	.84	.90	.86	.84	.89	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.85	.82	.80	.84	.81	.79	.78
7.0	.85	.81	.77	.85	.80	.77	.83	.80	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.77	.74	.81	.77	.74	.80	.77	.74	.80	.76	.73	.79	.76	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.71	.69
10.0	.76	.72	.69	.76	.71	.69	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	.146	.083	.026	.140	.080	.025	.127	.073	.023	.116	.067	.021	.105	.061	.020		
2.0	.137	.075	.023	.131	.072	.022	.121	.067	.021	.111	.062	.020	.102	.058	.018		
3.0	.128	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.100	.055	.017		
4.0	.121	.063	.019	.117	.061	.018	.110	.058	.017	.103	.055	.017	.097	.052	.016		
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015		
6.0	.109	.055	.016	.107	.054	.015	.101	.052	.015	.096	.050	.015	.091	.048	.014		
7.0	.105	.052	.015	.102	.051	.014	.097	.049	.014	.093	.047	.014	.088	.046	.013		
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.090	.045	.013	.086	.044	.013		
9.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.087	.043	.012	.083	.042	.012		
10.0	.092	.044	.012	.091	.044	.012	.087	.043	.012	.084	.042	.012	.081	.041	.012		

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021		
1.0	.170	.159	.149	.146	.136	.128	.100	.094	.088	.057	.054	.051	.018	.017	.017		
2.0	.153	.134	.118	.131	.115	.102	.090	.080	.071	.052	.046	.042	.017	.015	.014		
3.0	.139	.115	.096	.119	.099	.083	.082	.069	.058	.047	.040	.034	.015	.013	.011		
4.0	.127	.099	.079	.109	.086	.068	.075	.060	.048	.043	.035	.028	.014	.011	.009		
5.0	.117	.087	.066	.100	.076	.057	.069	.053	.040	.040	.031	.024	.013	.010	.008		
6.0	.108	.078	.055	.093	.067	.048	.064	.047	.034	.037	.028	.020	.012	.009	.007		
7.0	.101	.070	.047	.087	.060	.041	.060	.042	.029	.035	.025	.017	.011	.008	.006		
8.0	.095	.063	.041	.082	.055	.036	.057	.038	.025	.033	.023	.015	.011	.007	.005		
9.0	.090	.057	.036	.077	.050	.031	.054	.035	.022	.031	.021	.013	.010	.007	.004		
10.0	.085	.053	.031	.073	.046	.027	.051	.032	.020	.030	.019	.012	.010	.006	.004		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-07

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:

Uncorrected UGR Table

NAME: Dot01-3000k-RA90-48D					TYPE:					WEIGHT:				
DIM.:					SPEC.:					SERIAL No.:				
MFR.: VD					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				
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					-20.2	-19.4	-19.9	-19.3	-19.1	-14.3	-13.6	-14.1	-13.4	-13.3
3H					-20.3	-19.6	-20.1	-19.4	-19.3	-14.5	-13.8	-14.2	-13.6	-13.4
4H					-20.4	-19.8	-20.1	-19.5	-19.3	-14.6	-13.9	-14.3	-13.7	-13.5
6H					-20.5	-19.9	-20.2	-19.6	-19.4	-14.6	-14.0	-14.4	-13.8	-13.6
8H					-20.5	-19.9	-20.2	-19.7	-19.4	-14.7	-14.1	-14.4	-13.9	-13.6
12H					-20.6	-20.0	-20.3	-19.7	-19.5	-14.7	-14.2	-14.4	-13.9	-13.6
4H 2H					-20.4	-19.8	-20.1	-19.5	-19.3	-14.6	-13.9	-14.3	-13.7	-13.5
3H					-20.6	-20.0	-20.3	-19.7	-19.5	-14.7	-14.2	-14.4	-13.9	-13.6
4H					-20.7	-20.2	-20.3	-19.9	-19.6	-14.8	-14.3	-14.5	-14.0	-13.7
6H					-20.8	-20.3	-20.4	-20.0	-19.6	-14.9	-14.5	-14.6	-14.1	-13.8
8H					-20.8	-20.4	-20.4	-20.1	-19.7	-15.0	-14.6	-14.6	-14.2	-13.8
12H					-20.9	-20.5	-20.5	-20.1	-19.7	-15.0	-14.7	-14.6	-14.3	-13.9
8H 4H					-20.8	-20.4	-20.4	-20.1	-19.7	-15.0	-14.6	-14.6	-14.2	-13.8
6H					-20.9	-20.6	-20.5	-20.2	-19.8	-15.1	-14.7	-14.7	-14.4	-13.9
8H					-21.0	-20.7	-20.5	-20.3	-19.8	-15.2	-14.8	-14.7	-14.4	-14.0
12H					-21.1	-20.8	-20.6	-20.3	-19.9	-15.2	-15.0	-14.7	-14.5	-14.0
12H 4H					-20.9	-20.5	-20.5	-20.1	-19.7	-15.0	-14.7	-14.6	-14.3	-13.9
6H					-21.0	-20.7	-20.5	-20.3	-19.8	-15.2	-14.8	-14.7	-14.4	-14.0
8H					-21.1	-20.8	-20.6	-20.3	-19.9	-15.2	-15.0	-14.7	-14.5	-14.0
Variations with the observer position at spacings:														
S = 1.0H					+ 5.6 / - 1.\$					+ 7.1 / - 1.\$				
1.5H					+ 8.5 / - 1.\$					+ 9.9 / - 1.\$				
2.0H					+ 0.0 / - 0.0					+ 0.0 / - 0.0				

CIE Pub.117 Corrected 87.45 lm Total Lamp Luminous Flux.(8log(F/F0) = -8.5)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

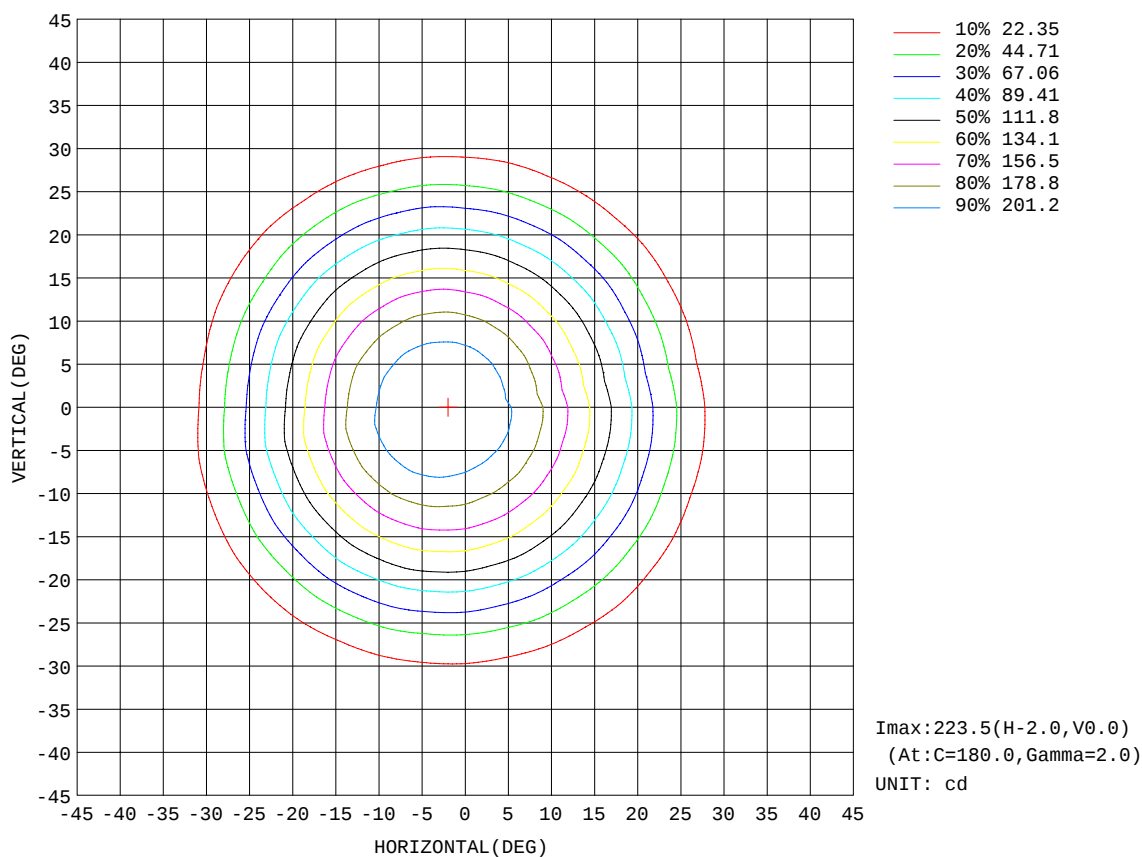
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	92	86	83	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	97	92	89	86
1.00	102	97	94	101	97	94	100	96	93	90
1.25	105	101	98	104	100	97	103	99	97	93
1.50	108	104	101	107	103	100	105	101	99	95
2.00	110	106	103	109	105	103	106	103	101	96
2.50	111	108	105	110	107	104	107	104	103	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	111	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	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: tang
Test Date: 2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

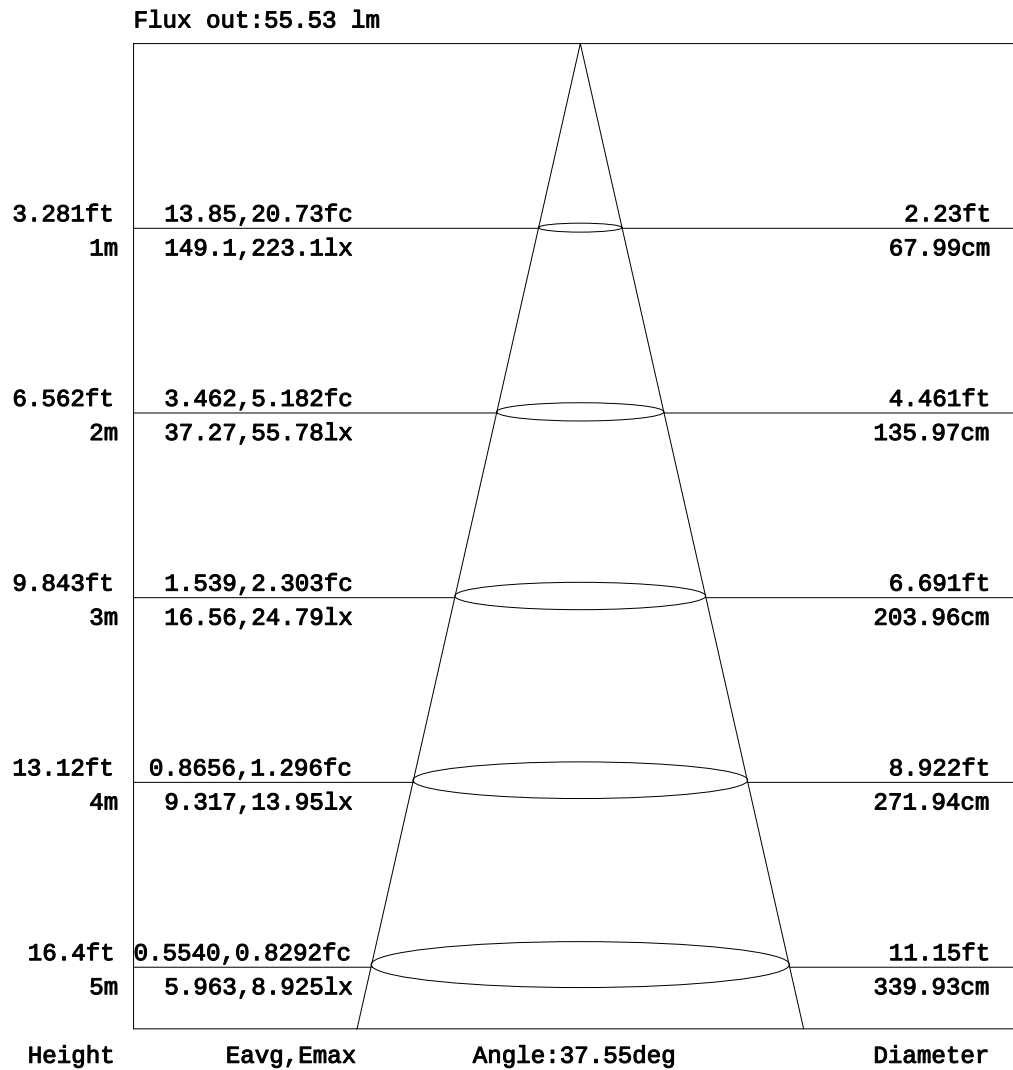


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



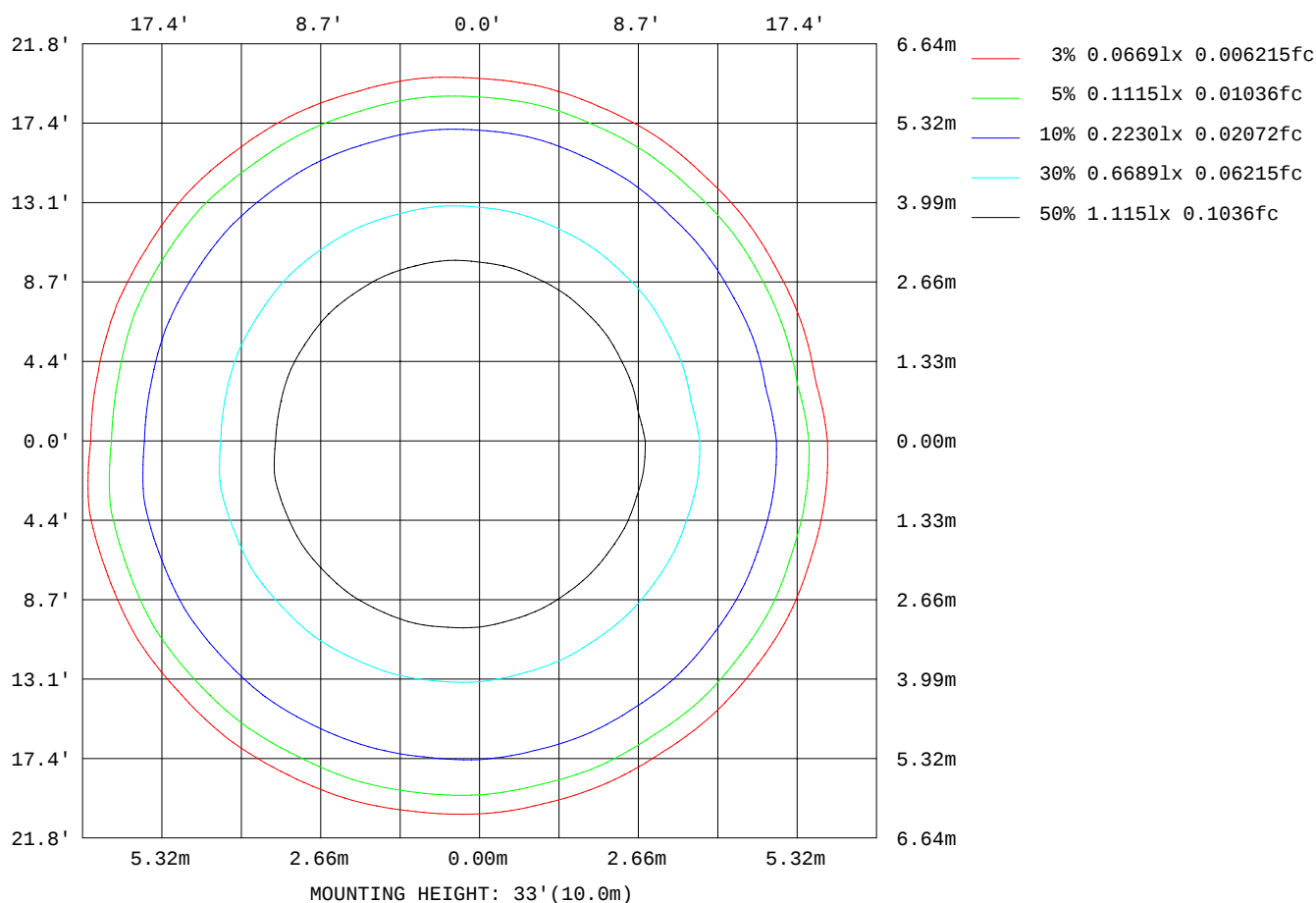
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	87.4521	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	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:tang
Test Date:2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	87.4521	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1000	1500	200	500
65 to 90	0	1000	1500	200	500

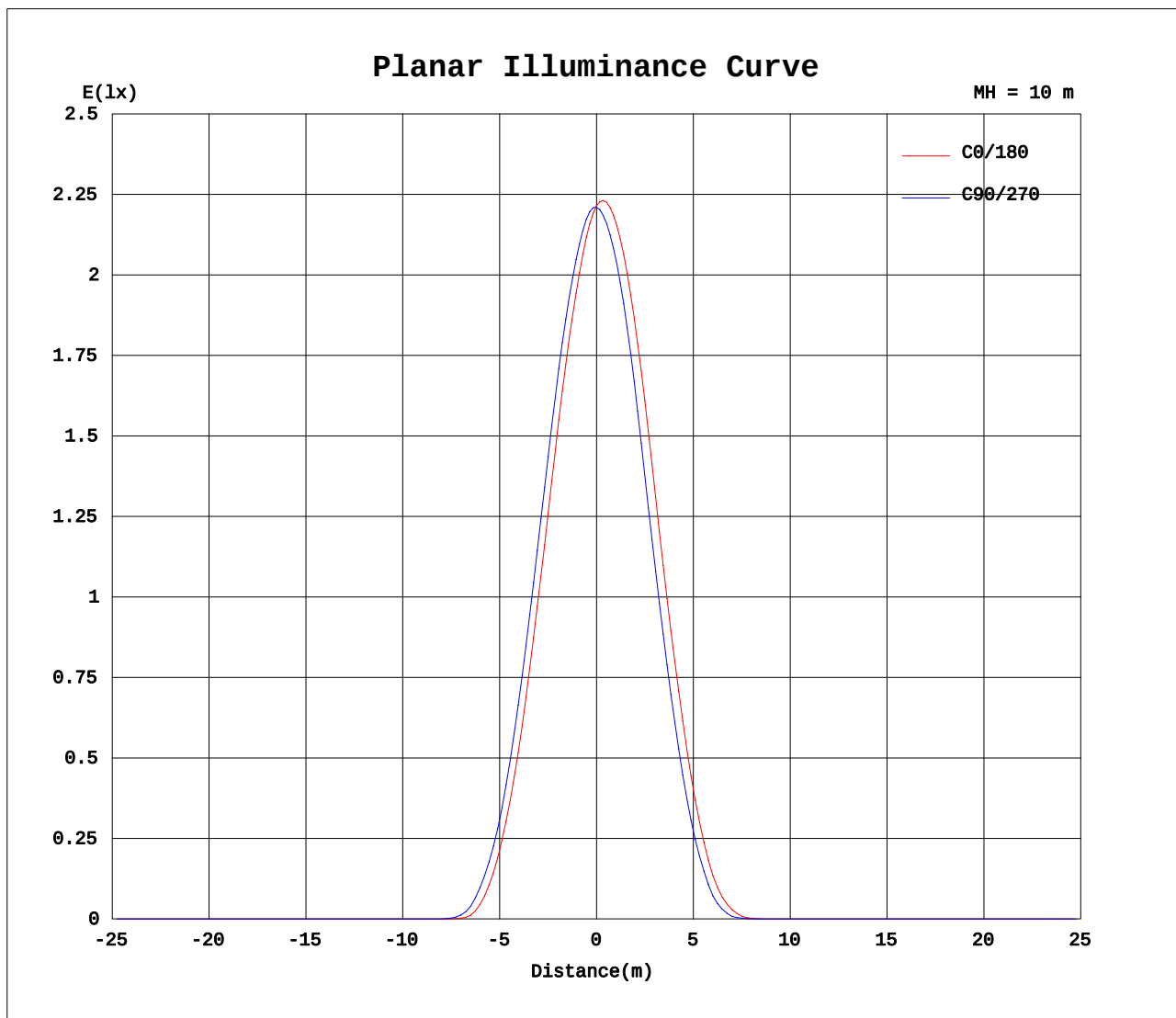
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:tang
Test Date:2022-04-07

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: tang
Test Date: 2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°) \ γ (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	221	222	221	221	221	221	221	221	221	221	221	221	221	221	220	220	220	221	221
5	203	204	204	205	205	207	207	209	210	212	214	216	217	219	220	221	221	221	221
10	172	172	172	174	175	177	179	182	184	187	190	194	197	200	201	203	204	205	203
15	129	130	130	132	133	136	138	142	145	149	152	156	159	163	166	169	170	171	168
20	82.9	84.2	84.2	86.2	87.5	90.4	92.5	95.8	98.4	102	106	110	113	117	119	122	123	124	120
25	41.0	41.8	42.0	44.1	45.0	47.2	48.5	51.0	52.6	56.1	59.0	62.9	65.7	69.2	70.7	73.8	73.8	75.2	70.8
30	11.1	11.9	12.3	13.8	14.3	15.4	15.8	17.8	18.6	20.8	22.1	24.0	25.4	28.3	29.3	31.0	30.9	31.7	28.2
35	0.54	0.53	0.54	0.61	0.74	0.80	0.96	1.34	1.62	2.29	2.92	3.80	4.54	5.45	5.93	6.53	6.41	6.61	5.27
40	0.00	0.00	0.03	0.00	0.03	0.00	0.06	0.00	0.05	0.03	0.09	0.08	0.19	0.22	0.31	0.33	0.33	0.32	0.18
45	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	0.02	0.00	0.00	0.00	0.00
50	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
55	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
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	0.00	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
140	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
145	0.00	0.01	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
150	0.04	0.08	0.03	0.08	0.02	0.06	0.01	0.06	0.00	0.04	0.00	0.03	0.00	0.02	0.00	0.01	0.00	0.01	0.02
155	0.11	0.16	0.11	0.15	0.10	0.14	0.09	0.13	0.08	0.12	0.07	0.10	0.05	0.10	0.05	0.09	0.04	0.09	0.09
160	0.18	0.24	0.18	0.23	0.18	0.22	0.17	0.21	0.16	0.20	0.15	0.18	0.13	0.18	0.13	0.17	0.12	0.16	0.17
165	0.26	0.30	0.26	0.29	0.25	0.29	0.24	0.28	0.24	0.27	0.22	0.26	0.21	0.25	0.20	0.24	0.19	0.24	0.25
170	0.31	0.36	0.32	0.35	0.31	0.35	0.30	0.34	0.29	0.34	0.29	0.33	0.27	0.32	0.27	0.32	0.26	0.32	0.32
175	0.36	0.37	0.36	0.37	0.35	0.37	0.35	0.37	0.34	0.38	0.34	0.37	0.33	0.36	0.33	0.37	0.33	0.37	0.38
180	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.38

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: Dot01-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	222	221	221	221	221	221	221	221	221	221	221	221	221	220	220	220	220			
5	220	220	219	218	217	215	214	212	211	209	207	206	204	203	201	201	200			
10	202	201	199	198	196	193	190	187	184	181	178	176	173	172	170	169	168			
15	167	166	163	161	157	154	150	147	142	139	135	133	130	129	126	126	125			
20	119	118	115	113	109	107	102	99.4	95.1	92.2	88.5	86.3	83.4	82.3	80.1	79.7	78.3			
25	69.6	69.2	66.6	64.9	61.7	59.8	56.5	53.9	50.3	48.1	44.7	43.0	40.3	39.3	37.6	37.8	37.4			
30	27.3	27.8	26.5	25.3	22.6	21.3	19.5	18.5	16.5	15.2	13.4	12.6	11.0	10.5	9.59	9.57	9.02			
35	4.99	4.96	4.52	4.30	3.72	3.26	2.50	1.90	1.48	1.38	1.10	0.92	0.67	0.61	0.51	0.41	0.39			
40	0.25	0.20	0.26	0.19	0.20	0.10	0.08	0.00	0.04	0.00	0.05	0.00	0.03	0.00	0.01	0.00	0.00			
45	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			
50	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			
55	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			
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	0.00	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			
140	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			
145	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	0.01	0.00		
150	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.05	0.00	0.06	0.01	0.07	0.03	0.07	0.03	0.08	0.04			
155	0.05	0.09	0.05	0.10	0.06	0.11	0.07	0.12	0.08	0.14	0.08	0.14	0.10	0.16	0.11	0.16	0.11			
160	0.13	0.17	0.13	0.17	0.13	0.18	0.15	0.19	0.15	0.21	0.17	0.21	0.18	0.23	0.18	0.23	0.18			
165	0.20	0.24	0.19	0.25	0.20	0.26	0.22	0.26	0.22	0.28	0.23	0.29	0.24	0.30	0.25	0.30	0.25			
170	0.27	0.31	0.27	0.32	0.28	0.33	0.29	0.34	0.29	0.34	0.30	0.35	0.31	0.35	0.31	0.35	0.31			
175	0.33	0.38	0.33	0.38	0.33	0.38	0.34	0.37	0.34	0.37	0.35	0.37	0.35	0.37	0.35	0.37	0.35			
180	0.39	0.38	0.37	0.37	0.37	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37			

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
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