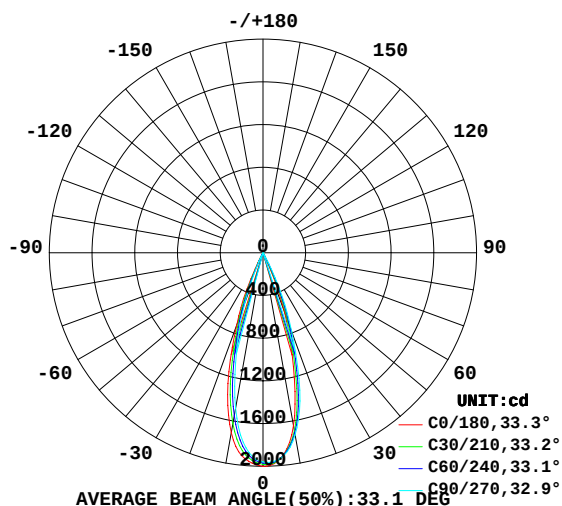


LUMINAIRE PHOTOMETRIC TEST REPORT

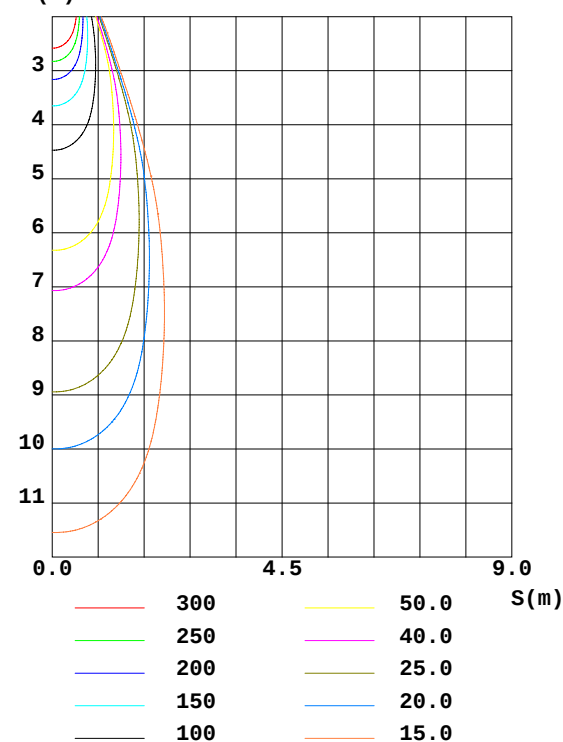
NAME:CL-Dot06-D9 3000K-RA90-8W-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.97 lm/W			
MODEL		I _{max} (cd)	1999	S/MH(C0/180)	0.51
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	595.88	η UP, DN(C0-180)	0.2, 55.1
NOMINAL FLUX(lm)	595.882	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 44.5
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.6	CIBSE SHR MAX	0.55

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	1647	1706	1734	1743	1711	1587	1479	1484	0- 10	172.6	172.6	29,29
20	589.5	697.4	790.4	808.0	722.3	613.8	491.6	467.7	10- 20	311.1	483.7	81.2,81.2
30	10.59	13.65	30.00	38.78	28.00	18.15	14.39	9.689	20- 30	106.7	590.4	99.1,99.1
40	0.3832	0.8095	0.8292	1.247	0.9697	0.8780	0.4115	0.4082	30- 40	2.785	593.2	99.6,99.6
50	0.0710	0.2549	0.1979	0.3847	0.3158	0.3067	0.0898	0.0707	40- 50	0.3121	593.5	99.6,99.6
60	0	0	0	0.0920	0.0329	0.0118	0	0	50- 60	0.0838	593.6	99.6,99.6
70	0	0	0	0	0	0	0	0	60- 70	0.0040	593.6	99.6,99.6
80	0	0	0	0	0	0	0	0	70- 80	0	593.6	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	0	593.6	99.6,99.6
100	0	0	0	0	0	0	0	0	90-100	0	593.6	99.6,99.6
110	0	0	0	0	0	0	0	0	100-110	0	593.6	99.6,99.6
120	0	0	0	0	0	0	0	0	110-120	0	593.6	99.6,99.6
130	0	0	0	0	0	0	0	0	120-130	0	593.6	99.6,99.6
140	0.1691	0.1156	0.0854	0.0449	0.1280	0.1748	0.2259	0.2597	130-140	0.0206	593.6	99.6,99.6
150	1.160	1.007	0.8930	0.8330	0.9642	1.086	1.198	1.241	140-150	0.3285	594.0	99.7,99.7
160	2.514	2.338	2.214	2.149	2.271	2.381	2.467	2.492	150-160	0.7634	594.7	99.8,99.8
170	3.557	3.447	3.347	3.275	3.389	3.422	3.458	3.473	160-170	0.8068	595.5	99.9,99.9
180	4.049	3.997	3.955	3.926	4.058	3.997	3.950	3.936	170-180	0.3497	595.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

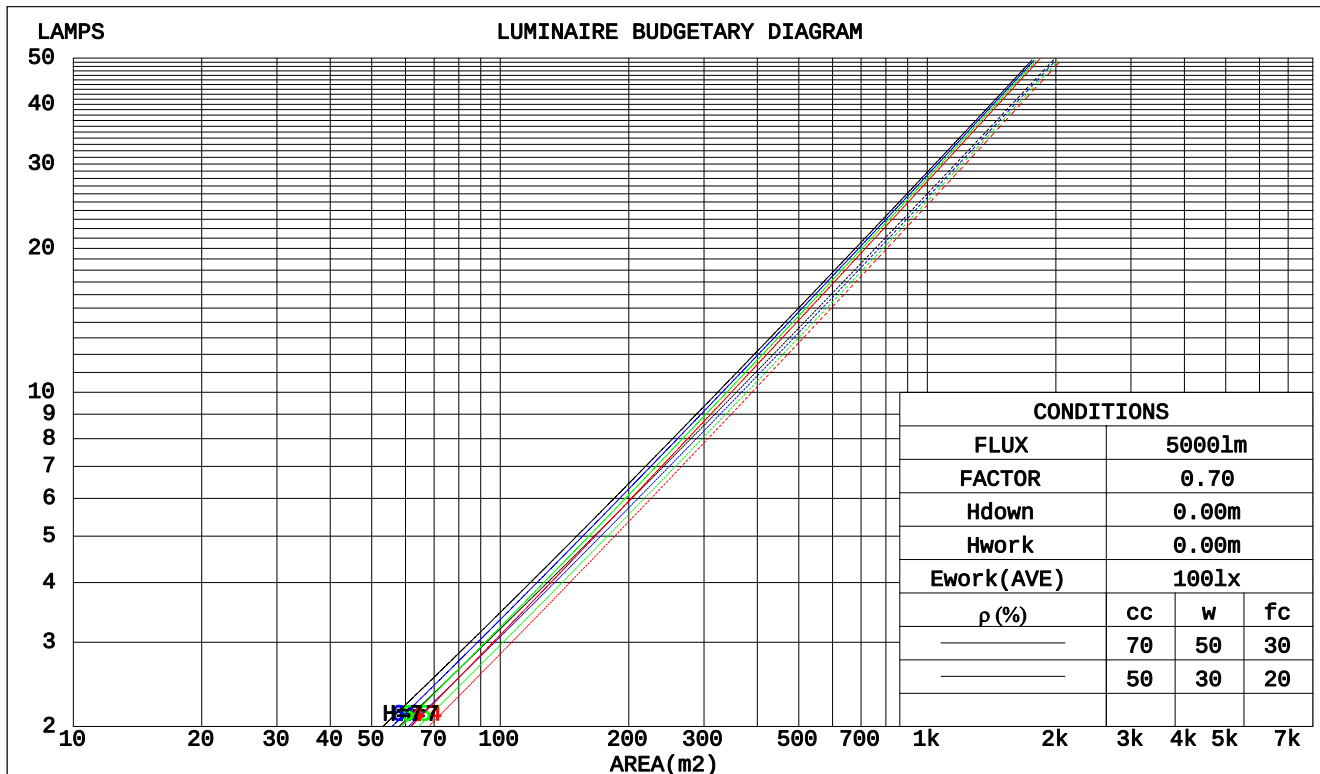
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-03

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: Dot06-D9-3000K-RA90-8W-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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.99	.96	1.02	.98	.96	.99	.96	.94	.97	.95	.93	.95	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.91	.88	.93	.89	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.88	.85	.91	.87	.84	.90	.86	.84	.89	.86	.83	.87	.85	.83	.82
7.0	.89	.85	.82	.88	.84	.81	.87	.84	.81	.86	.83	.81	.85	.82	.80	.79
8.0	.86	.82	.79	.85	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.78	.77
9.0	.83	.79	.76	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75
10.0	.81	.77	.74	.80	.77	.74	.80	.76	.74	.79	.76	.74	.78	.76	.73	.73



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: Dot06-D9-3000K-RA90-8W-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	.137	.078	.025	.130	.074	.024	.118	.068	.022	.106	.061	.020	.095	.055	.018		
2.0	.127	.069	.021	.121	.067	.021	.111	.062	.019	.101	.057	.018	.092	.052	.016		
3.0	.118	.063	.019	.114	.061	.018	.105	.057	.017	.097	.053	.016	.089	.049	.015		
4.0	.111	.058	.017	.107	.056	.017	.100	.053	.016	.093	.050	.015	.086	.047	.014		
5.0	.105	.053	.015	.101	.052	.015	.095	.050	.015	.089	.047	.014	.084	.045	.013		
6.0	.099	.050	.014	.096	.049	.014	.091	.047	.014	.086	.045	.013	.081	.043	.013		
7.0	.095	.047	.013	.092	.046	.013	.087	.044	.013	.083	.042	.012	.079	.041	.012		
8.0	.090	.044	.012	.088	.043	.012	.084	.042	.012	.080	.041	.012	.076	.039	.011		
9.0	.087	.042	.012	.085	.041	.012	.081	.040	.011	.077	.039	.011	.074	.038	.011		
10.0	.083	.040	.011	.081	.039	.011	.078	.038	.011	.075	.037	.011	.072	.036	.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	.193	.193	.193	.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	.035	.015	.013	.012		
4.0	.126	.101	.082	.108	.087	.071	.074	.061	.050	.043	.036	.030	.014	.012	.010		
5.0	.115	.089	.069	.099	.077	.060	.068	.054	.042	.040	.031	.025	.013	.010	.008		
6.0	.107	.079	.059	.092	.068	.051	.063	.048	.036	.037	.028	.021	.012	.009	.007		
7.0	.099	.070	.050	.085	.061	.044	.059	.043	.031	.034	.025	.019	.011	.008	.006		
8.0	.093	.064	.044	.080	.055	.038	.055	.039	.027	.032	.023	.016	.010	.008	.005		
9.0	.087	.058	.039	.075	.050	.034	.052	.035	.024	.030	.021	.014	.010	.007	.005		
10.0	.082	.053	.034	.071	.046	.030	.049	.033	.021	.029	.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: Dot06-D9-3000K-RA90-8W-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					-24.9	-24.2	-24.6	-24.1	-23.9	-21.3	-20.7	-21.1	-20.5	-20.4
3H					-25.0	-24.4	-24.8	-24.2	-24.0	-21.5	-20.9	-21.2	-20.7	-20.5
4H					-25.1	-24.5	-24.8	-24.3	-24.1	-21.5	-21.0	-21.3	-20.8	-20.5
6H					-25.2	-24.6	-24.9	-24.4	-24.1	-21.6	-21.1	-21.3	-20.9	-20.6
8H					-25.2	-24.7	-24.9	-24.4	-24.2	-21.7	-21.2	-21.4	-20.9	-20.6
12H					-25.3	-24.8	-24.9	-24.5	-24.2	-21.7	-21.2	-21.4	-21.0	-20.7
4H 2H					-25.1	-24.5	-24.8	-24.3	-24.1	-21.5	-21.0	-21.3	-20.8	-20.5
3H					-25.3	-24.7	-24.9	-24.5	-24.2	-21.7	-21.2	-21.4	-20.9	-20.7
4H					-25.3	-24.9	-25.0	-24.6	-24.3	-21.8	-21.4	-21.5	-21.1	-20.8
6H					-25.5	-25.0	-25.1	-24.7	-24.4	-21.9	-21.5	-21.5	-21.2	-20.8
8H					-25.5	-25.1	-25.1	-24.8	-24.4	-22.0	-21.6	-21.6	-21.2	-20.9
12H					-25.6	-25.2	-25.2	-24.8	-24.4	-22.0	-21.7	-21.6	-21.3	-20.9
8H 4H					-25.5	-25.1	-25.1	-24.8	-24.4	-22.0	-21.6	-21.6	-21.2	-20.9
6H					-25.6	-25.3	-25.2	-24.9	-24.5	-22.1	-21.8	-21.7	-21.4	-21.0
8H					-25.7	-25.4	-25.2	-25.0	-24.5	-22.2	-21.9	-21.7	-21.5	-21.0
12H					-25.7	-25.5	-25.3	-25.1	-24.6	-22.2	-22.0	-21.7	-21.5	-21.1
12H 4H					-25.6	-25.2	-25.2	-24.8	-24.4	-22.0	-21.7	-21.6	-21.3	-20.9
6H					-25.7	-25.4	-25.2	-25.0	-24.5	-22.2	-21.9	-21.7	-21.5	-21.0
8H					-25.7	-25.5	-25.3	-25.1	-24.6	-22.2	-22.0	-21.7	-21.5	-21.1
Variations with the observer position at spacings:														
S = 1.0H					+ 2.6 / - 1.\$					+ 4.3 / - 1.\$				
1.5H					+ 3.8 / -23.5					+ 6.0 / - 7.3				
2.0H					+ 6.0 / - 1.\$					+ 5.5 / - 1.\$				

CIE Pub.117 Corrected 595.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.8)

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: Dot06-D9-3000K-RA90-8W-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

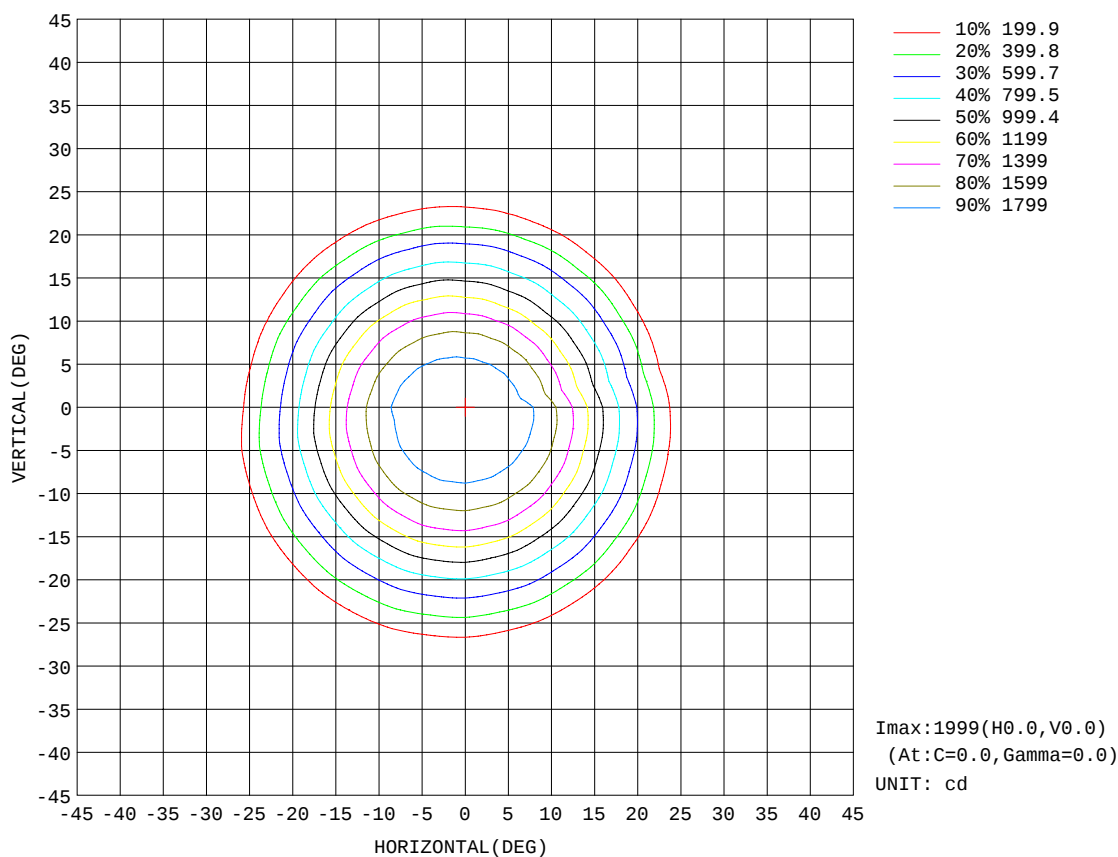
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	91	86	82	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	96	92	89	86
1.00	102	97	94	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	104	101	107	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	98
4.00	115	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										
SHRNM = 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: Dot06-D9-3000K-RA90-8W-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

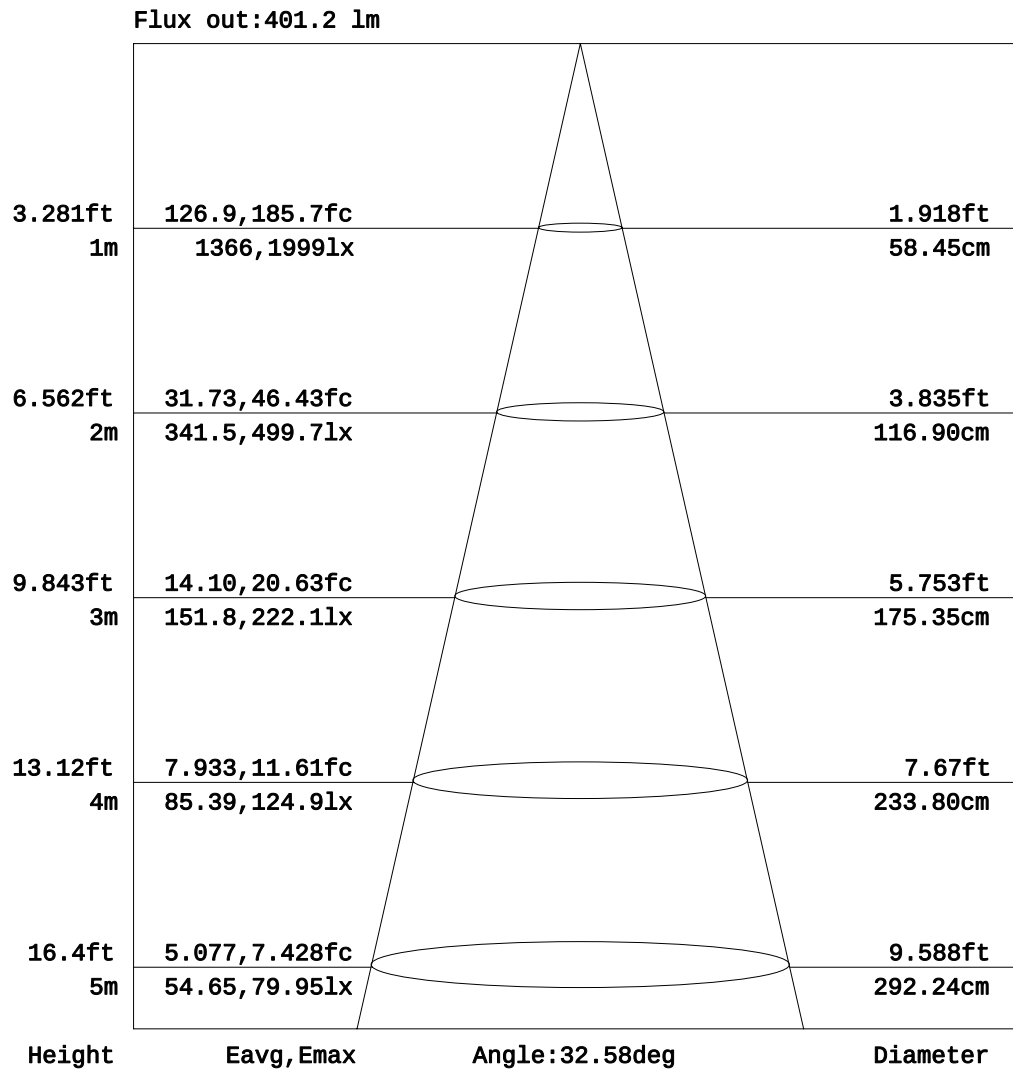


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-03

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: Dot06-D9-3000K-RA90-8W-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



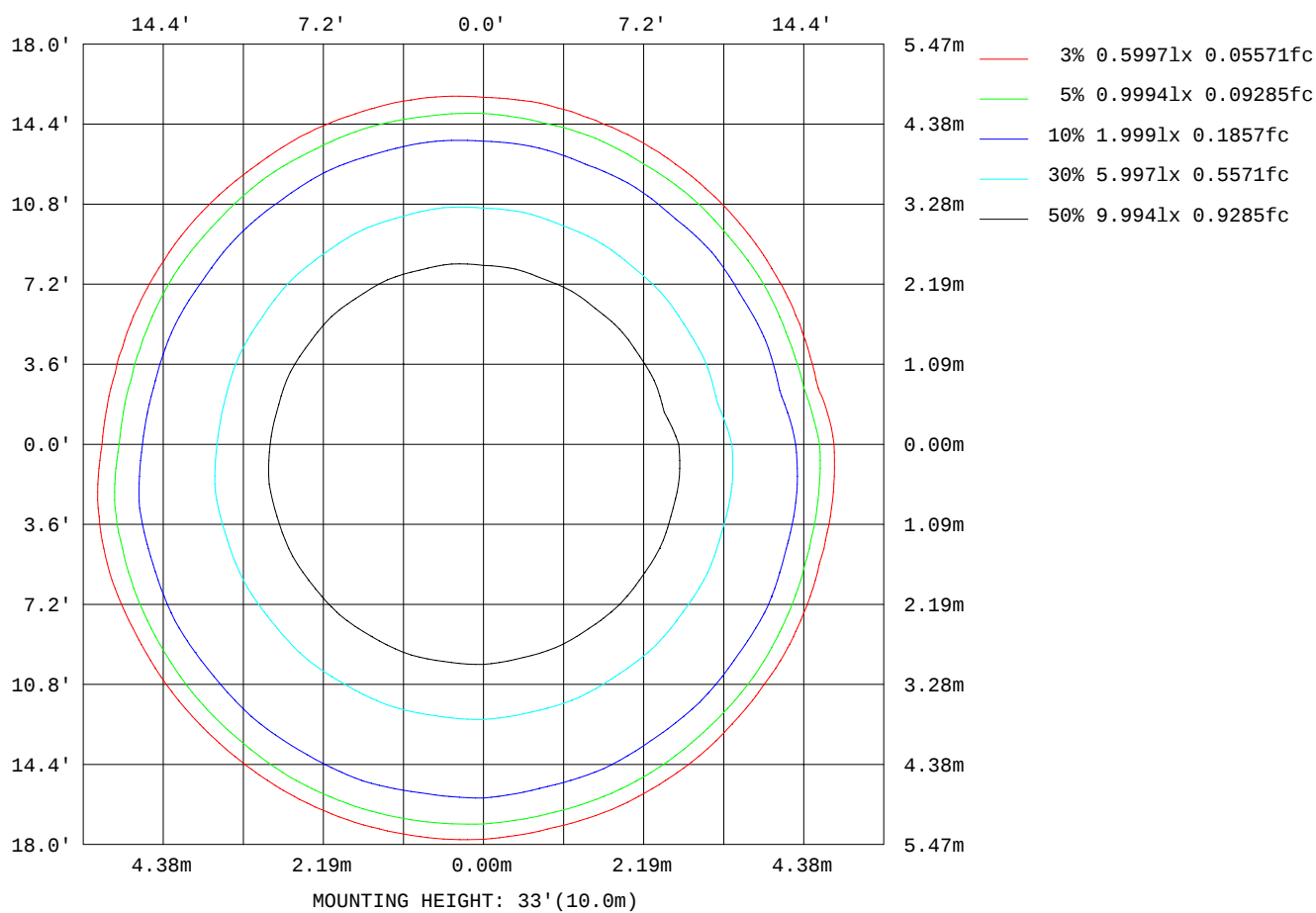
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 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: Dot06-D9-3000K-RA90-8W-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: 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: Dot06-D9-3000K-RA90-8W-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	595.882	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	1	1	2	1	2	1	2	2	4	3	4	3	4	3	3
60	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	2	1	1
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	4	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: Dot06-D9-3000K-RA90-8W-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	595.882	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	1	1	2	1	2	1	2	2	4	3	4	3	4	3	3
60	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	2	1	1
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	4	1000	1500	200	500
65 to 90	0	1000	1500	200	500

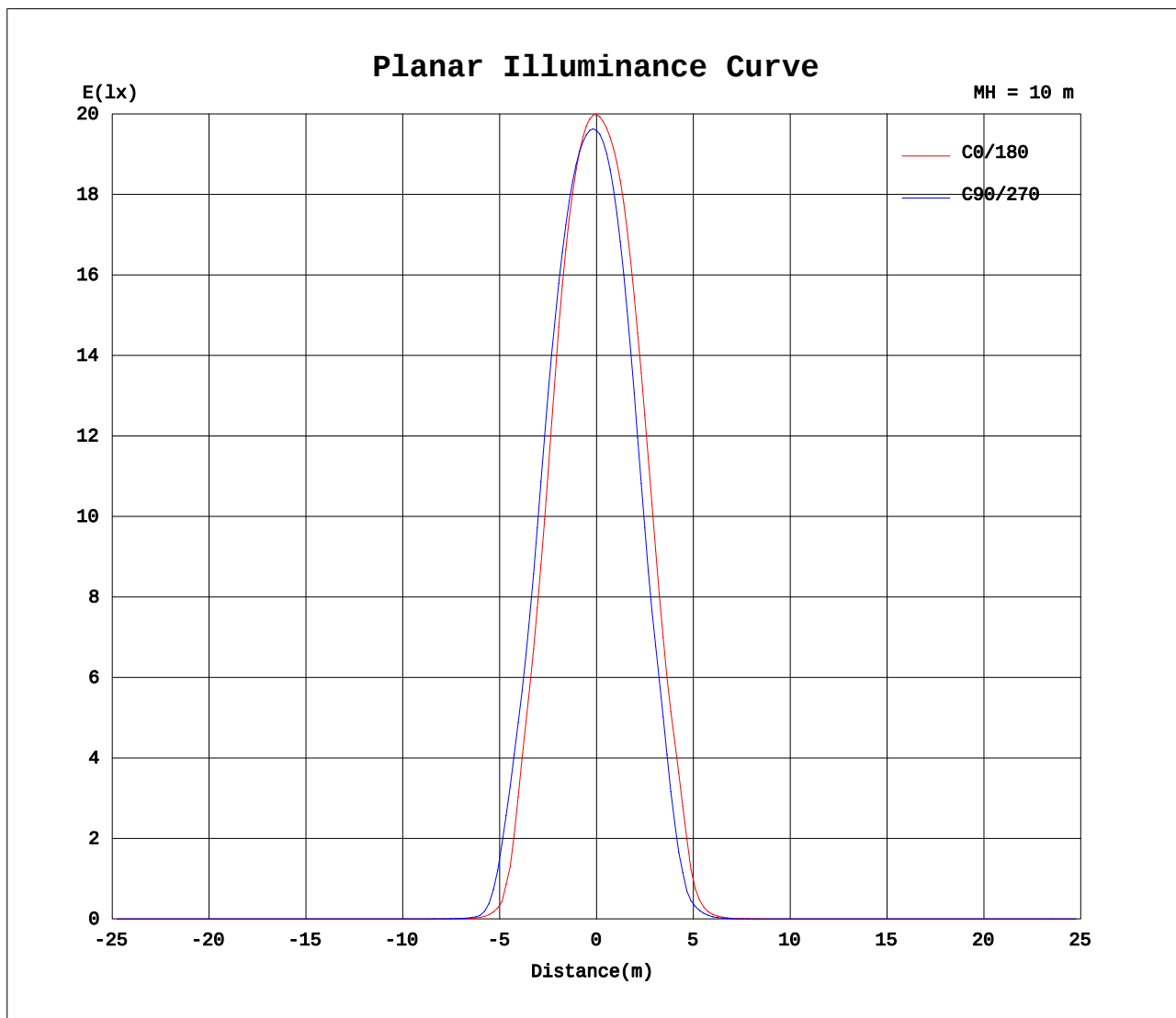
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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: Dot06-D9-3000K-RA90-8W-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	1999	1992	1987	1981	1977	1972	1969	1965	1963	1959	1957	1955	1953	1951	1950	1949	1948	1948	1999
5	1929	1931	1928	1931	1929	1931	1928	1930	1927	1928	1925	1925	1921	1919	1914	1911	1905	1902	1937
10	1647	1670	1675	1694	1698	1714	1713	1726	1724	1734	1733	1744	1741	1747	1738	1737	1719	1712	1711
15	1102	1136	1150	1192	1210	1249	1263	1297	1305	1332	1334	1355	1348	1356	1338	1337	1310	1303	1268
20	590	616	630	665	681	714	728	755	766	790	795	813	808	816	800	801	778	771	722
25	116	123	140	173	201	238	263	301	313	346	347	368	366	374	363	363	339	327	268
30	10.6	11.3	10.9	12.1	12.6	14.8	16.3	21.2	24.1	30.0	31.9	37.4	37.2	39.5	38.0	40.1	38.1	37.8	28.0
35	1.31	1.46	1.59	1.74	1.83	2.05	2.24	2.41	2.59	2.84	2.94	3.27	3.51	3.83	3.95	4.27	4.29	4.64	3.88
40	0.38	0.39	0.53	0.62	0.79	0.83	0.90	0.81	0.82	0.83	0.98	1.06	1.16	1.22	1.27	1.24	1.17	1.11	0.97
45	0.19	0.17	0.28	0.33	0.48	0.49	0.55	0.45	0.45	0.41	0.47	0.48	0.59	0.58	0.64	0.56	0.58	0.51	0.50
50	0.07	0.04	0.15	0.16	0.26	0.25	0.32	0.26	0.27	0.20	0.26	0.25	0.36	0.35	0.42	0.34	0.37	0.31	0.32
55	0.00	0.00	0.00	0.00	0.08	0.05	0.12	0.07	0.11	0.06	0.12	0.10	0.20	0.18	0.25	0.18	0.21	0.16	0.17
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.09	0.06	0.12	0.07	0.10	0.04	0.03
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	0.01	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	0.17	0.20	0.14	0.17	0.10	0.13	0.07	0.10	0.05	0.09	0.04	0.07	0.02	0.07	0.02	0.07	0.02	0.07	0.13
145	0.58	0.59	0.52	0.54	0.47	0.49	0.41	0.43	0.38	0.40	0.35	0.37	0.33	0.37	0.33	0.38	0.34	0.40	0.46
150	1.16	1.15	1.08	1.08	1.01	1.01	0.93	0.94	0.88	0.89	0.84	0.87	0.82	0.85	0.82	0.86	0.84	0.90	0.96
155	1.83	1.82	1.75	1.73	1.66	1.66	1.57	1.57	1.52	1.52	1.47	1.49	1.45	1.48	1.46	1.50	1.48	1.53	1.61
160	2.51	2.50	2.42	2.42	2.34	2.34	2.27	2.26	2.21	2.21	2.16	2.17	2.14	2.16	2.14	2.18	2.16	2.21	2.27
165	3.09	3.09	3.01	3.02	2.94	2.94	2.86	2.87	2.82	2.82	2.77	2.79	2.74	2.77	2.74	2.76	2.74	2.79	2.87
170	3.56	3.58	3.50	3.52	3.43	3.46	3.37	3.40	3.34	3.35	3.29	3.32	3.26	3.30	3.25	3.30	3.25	3.30	3.39
175	3.91	3.94	3.86	3.89	3.81	3.85	3.77	3.80	3.72	3.76	3.69	3.73	3.68	3.72	3.67	3.71	3.67	3.71	3.81
180	4.05	4.06	4.03	4.03	4.00	4.00	3.97	3.97	3.95	3.95	3.94	3.94	3.94	3.94	3.92	3.94	3.93	3.94	4.06

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: Dot06-D9-3000K-RA90-8W-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°) γ (°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1992	1987	1981	1977	1972	1969	1965	1963	1959	1957	1955	1953	1951	1950	1949	1948	1948		
5	1923	1913	1898	1889	1874	1866	1851	1846	1834	1834	1830	1836	1835	1844	1846	1855	1856		
10	1678	1659	1625	1604	1569	1551	1518	1506	1479	1477	1463	1476	1473	1495	1501	1528	1538		
15	1227	1206	1161	1135	1084	1059	1014	996	958	951	930	940	931	953	958	988	996		
20	690	678	645	632	596	578	539	523	492	483	461	468	458	477	477	505	507		
25	223	201	173	158	149	127	121	106	93.3	89.3	81.0	78.6	72.8	72.5	68.6	71.1	69.7		
30	24.1	22.5	19.8	18.9	17.4	17.3	16.1	15.8	14.4	13.7	12.2	11.2	9.87	9.51	8.65	8.84	8.49		
35	3.64	3.51	3.14	3.01	2.66	2.45	2.04	1.82	1.59	1.51	1.41	1.31	1.24	1.19	1.16	1.06	1.02		
40	0.99	1.02	1.03	0.91	0.84	0.69	0.56	0.41	0.41	0.35	0.42	0.40	0.44	0.37	0.38	0.30	0.34		
45	0.56	0.52	0.58	0.49	0.48	0.35	0.34	0.21	0.21	0.15	0.20	0.16	0.23	0.16	0.19	0.12	0.16		
50	0.38	0.33	0.38	0.31	0.31	0.21	0.20	0.08	0.09	0.01	0.08	0.03	0.10	0.04	0.09	0.00	0.05		
55	0.23	0.17	0.20	0.12	0.14	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
60	0.09	0.03	0.08	0.00	0.02	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	0.01	0.00	0.02	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.03	0.00		
140	0.09	0.16	0.12	0.18	0.16	0.22	0.19	0.26	0.23	0.27	0.24	0.28	0.24	0.28	0.23	0.27	0.21		
145	0.44	0.50	0.49	0.55	0.54	0.60	0.59	0.65	0.64	0.68	0.66	0.69	0.66	0.69	0.65	0.67	0.62		
150	0.95	1.02	1.02	1.09	1.08	1.15	1.15	1.20	1.20	1.24	1.22	1.26	1.23	1.25	1.21	1.22	1.17		
155	1.60	1.65	1.66	1.74	1.74	1.80	1.79	1.86	1.84	1.89	1.87	1.91	1.88	1.90	1.85	1.87	1.81		
160	2.26	2.32	2.32	2.38	2.38	2.43	2.43	2.48	2.47	2.52	2.48	2.52	2.48	2.50	2.45	2.46	2.42		
165	2.84	2.90	2.88	2.95	2.93	2.99	2.98	3.03	3.01	3.06	3.01	3.05	3.01	3.04	2.98	3.00	2.94		
170	3.35	3.41	3.37	3.44	3.41	3.47	3.43	3.50	3.46	3.51	3.46	3.51	3.45	3.49	3.44	3.46	3.40		
175	3.77	3.82	3.77	3.83	3.78	3.84	3.79	3.86	3.81	3.86	3.81	3.87	3.80	3.85	3.79	3.82	3.77		
180	4.03	4.03	4.01	4.01	3.98	3.98	3.96	3.97	3.95	3.95	3.95	3.95	3.94	3.94	3.93	3.93	3.94		

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: