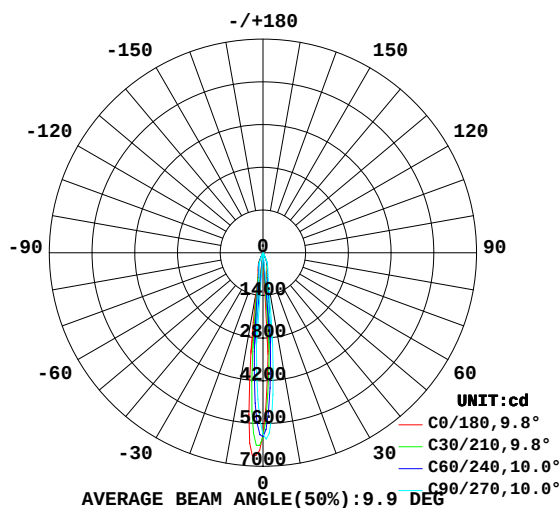


LUMINAIRE PHOTOMETRIC TEST REPORT

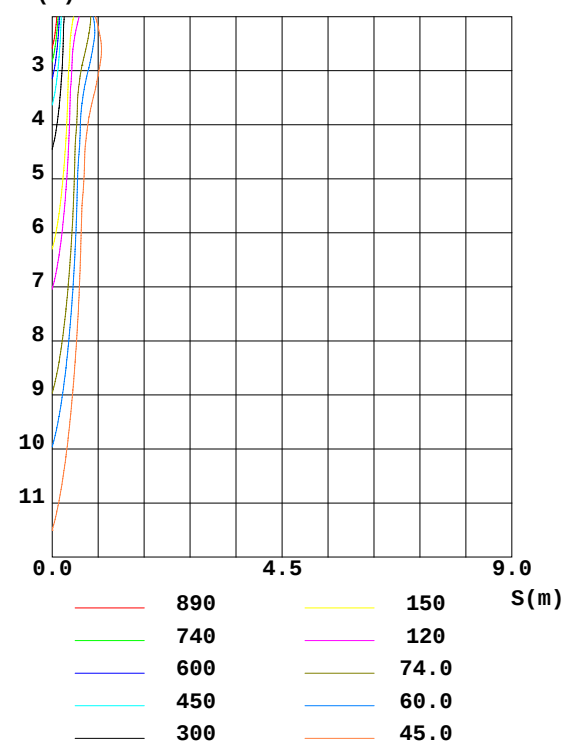
NAME:CL-Dot06-D9 3000K-RA90-8W-12D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.67 lm/W			
MODEL		Imax(cd)	6672	S/MH(C0/180)	0.12
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.21
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	498.27	η UP, DN(C0-180)	0.2, 54.9
NOMINAL FLUX(lm)	498.272	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 44.7
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:2022-05-04

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	744.9	845.1	1044	1358	1249	945.3	767.5	702.8	0- 10	232.3	232.3	46.6, 46.6
20	381.9	411.7	446.9	463.9	457.3	414.6	368.3	353.3	10- 20	163.3	395.6	79.4, 79.4
30	32.79	41.58	64.05	72.28	60.13	44.40	36.67	32.19	20- 30	88.03	483.6	97.1, 97.1
40	0.6106	3.636	3.681	8.765	5.805	4.966	0.9188	1.812	30- 40	12.08	495.7	99.5, 99.5
50	0.1134	0.1558	0.0989	0.2243	0.1413	0.1793	0.1086	0.1392	40- 50	0.7059	496.4	99.6, 99.6
60	0	0	0	0.0143	0	0.0071	0	0	50- 60	0.0534	496.5	99.6, 99.6
70	0	0	0	0	0	0	0	0	60- 70	0.0002	496.5	99.6, 99.6
80	0	0	0	0	0	0	0	0	70- 80	0	496.5	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	0	496.5	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0	496.5	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	496.5	99.6, 99.6
120	0	0	0	0	0	0	0	0	110-120	0	496.5	99.6, 99.6
130	0	0	0	0	0	0	0	0	120-130	0	496.5	99.6, 99.6
140	0.1127	0.0778	0.0569	0.0237	0.0806	0.0945	0.1223	0.1676	130-140	0.0130	496.5	99.6, 99.6
150	0.8010	0.6560	0.5530	0.4672	0.5389	0.6138	0.7496	0.8569	140-150	0.1940	496.7	99.7, 99.7
160	2.420	2.256	2.059	1.904	1.880	2.011	2.151	2.265	150-160	0.6035	497.3	99.8, 99.8
170	3.058	2.987	2.926	2.862	2.922	2.926	2.935	2.947	160-170	0.7211	498.0	99.9, 99.9
180	3.039	3.053	3.044	3.041	3.086	3.082	3.025	3.006	170-180	0.2869	498.3	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

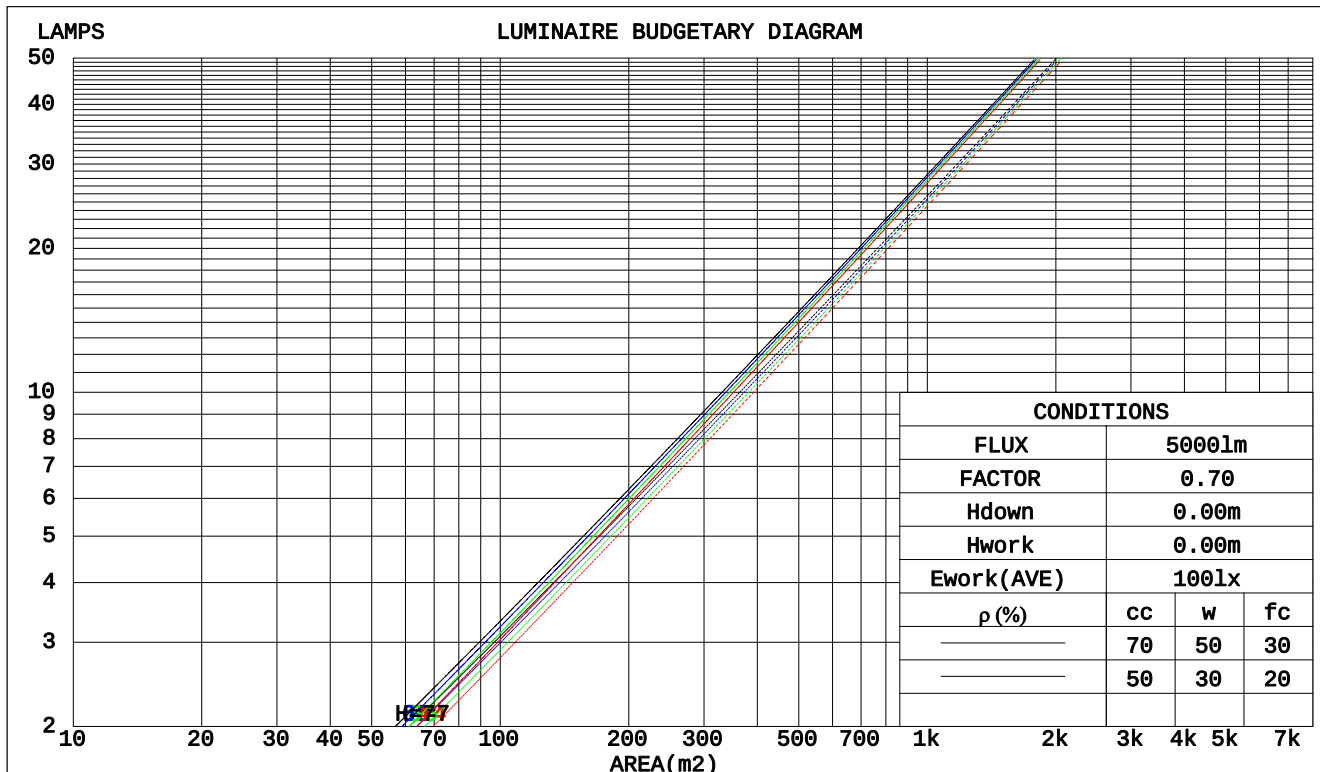
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-04

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-12D-RA90	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	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.02	.00	.99	.99	.97
2.0	1.08	1.06	1.03	1.07	1.04	1.02	1.04	1.02	.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.04	1.01	.98	1.03	.00	.97	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.92
4.0	1.01	.97	.94	.99	.96	.94	.97	.95	.92	.96	.93	.91	.94	.92	.90	.89
5.0	.97	.94	.91	.96	.93	.90	.95	.92	.90	.93	.91	.89	.92	.90	.88	.87
6.0	.94	.91	.88	.94	.90	.88	.92	.89	.87	.91	.88	.86	.90	.88	.86	.85
7.0	.92	.88	.85	.91	.88	.85	.90	.87	.85	.89	.86	.84	.88	.86	.84	.83
8.0	.89	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.86	.84	.82	.81
9.0	.87	.83	.81	.87	.83	.81	.86	.83	.81	.85	.82	.80	.84	.82	.80	.79
10.0	.85	.81	.79	.85	.81	.79	.84	.81	.79	.83	.81	.79	.83	.80	.78	.77



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-04

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-12D-RA90	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	.129	.073	.023	.122	.070	.022	.110	.063	.020	.098	.057	.018	.088	.051	.016		
2.0	.119	.065	.020	.113	.062	.019	.103	.057	.018	.094	.052	.016	.085	.048	.015		
3.0	.110	.059	.018	.106	.057	.017	.097	.053	.016	.089	.049	.015	.082	.045	.014		
4.0	.103	.054	.016	.099	.052	.015	.092	.049	.015	.085	.046	.014	.079	.043	.013		
5.0	.097	.049	.014	.093	.048	.014	.087	.045	.013	.082	.043	.013	.076	.041	.012		
6.0	.091	.046	.013	.088	.045	.013	.083	.043	.012	.078	.041	.012	.074	.039	.012		
7.0	.086	.043	.012	.084	.042	.012	.079	.040	.012	.075	.039	.011	.071	.037	.011		
8.0	.082	.040	.011	.080	.039	.011	.076	.038	.011	.072	.037	.011	.069	.035	.010		
9.0	.078	.038	.011	.077	.037	.010	.073	.036	.010	.070	.035	.010	.067	.034	.010		
10.0	.075	.036	.010	.073	.035	.010	.070	.034	.010	.067	.033	.009	.064	.032	.009		

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	.146	.138	.130	.100	.095	.090	.057	.055	.052	.018	.018	.017		
2.0	.152	.136	.122	.130	.117	.105	.089	.081	.073	.051	.047	.043	.017	.015	.014		
3.0	.137	.116	.100	.117	.100	.086	.080	.070	.061	.046	.041	.036	.015	.013	.012		
4.0	.124	.101	.083	.106	.087	.072	.073	.061	.051	.042	.035	.030	.014	.012	.010		
5.0	.113	.088	.070	.097	.076	.061	.067	.053	.043	.039	.031	.025	.012	.010	.008		
6.0	.104	.078	.060	.089	.068	.052	.061	.047	.037	.036	.028	.022	.012	.009	.007		
7.0	.096	.070	.051	.082	.060	.045	.057	.042	.032	.033	.025	.019	.011	.008	.006		
8.0	.089	.063	.045	.077	.055	.039	.053	.038	.028	.031	.023	.017	.010	.007	.005		
9.0	.083	.057	.039	.072	.050	.034	.050	.035	.024	.029	.021	.015	.009	.007	.005		
10.0	.078	.052	.035	.068	.045	.030	.047	.032	.022	.027	.019	.013	.009	.006	.004		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-04

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-12D-RA90					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				
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					-11.8	-11.2	-11.6	-11.1	-10.9	-9.0	-8.4	-8.8	-8.3	-8.1
3H					-12.0	-11.4	-11.7	-11.2	-11.0	-9.1	-8.6	-8.9	-8.4	-8.2
4H					-12.1	-11.5	-11.8	-11.3	-11.1	-9.2	-8.7	-9.0	-8.5	-8.3
6H					-12.1	-11.6	-11.9	-11.4	-11.2	-9.3	-8.8	-9.0	-8.6	-8.3
8H					-12.2	-11.7	-11.9	-11.5	-11.2	-9.4	-8.9	-9.1	-8.6	-8.4
12H					-12.2	-11.8	-11.9	-11.5	-11.2	-9.4	-8.9	-9.1	-8.7	-8.4
4H 2H					-12.1	-11.5	-11.8	-11.3	-11.1	-9.2	-8.7	-9.0	-8.5	-8.3
3H					-12.2	-11.8	-11.9	-11.5	-11.2	-9.4	-8.9	-9.1	-8.7	-8.4
4H					-12.3	-11.9	-12.0	-11.6	-11.3	-9.5	-9.1	-9.2	-8.8	-8.5
6H					-12.4	-12.1	-12.1	-11.7	-11.4	-9.6	-9.2	-9.2	-8.9	-8.5
8H					-12.5	-12.1	-12.1	-11.8	-11.4	-9.7	-9.3	-9.3	-8.9	-8.6
12H					-12.6	-12.2	-12.1	-11.8	-11.5	-9.7	-9.4	-9.3	-9.0	-8.6
8H 4H					-12.5	-12.1	-12.1	-11.8	-11.4	-9.7	-9.3	-9.3	-8.9	-8.6
6H					-12.6	-12.3	-12.2	-11.9	-11.5	-9.8	-9.5	-9.3	-9.1	-8.7
8H					-12.7	-12.4	-12.2	-12.0	-11.5	-9.8	-9.6	-9.4	-9.2	-8.7
12H					-12.7	-12.5	-12.3	-12.1	-11.6	-9.9	-9.7	-9.4	-9.2	-8.8
12H 4H					-12.6	-12.2	-12.1	-11.8	-11.5	-9.7	-9.4	-9.3	-9.0	-8.6
6H					-12.7	-12.4	-12.2	-12.0	-11.5	-9.8	-9.6	-9.4	-9.2	-8.7
8H					-12.7	-12.5	-12.3	-12.1	-11.6	-9.9	-9.7	-9.4	-9.2	-8.8
Variations with the observer position at spacings:														
S = 1.0H					+ 3.2 / - 1.\$					+ 5.5 / - 1.\$				
1.5H					+ 5.9 / -33.9					+ 8.3 / -24.4				
2.0H					+ 5.7 / - 1.\$					+ 5.7 / - 1.\$				

CIE Pub.117 Corrected 498.3 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-04

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-12D-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

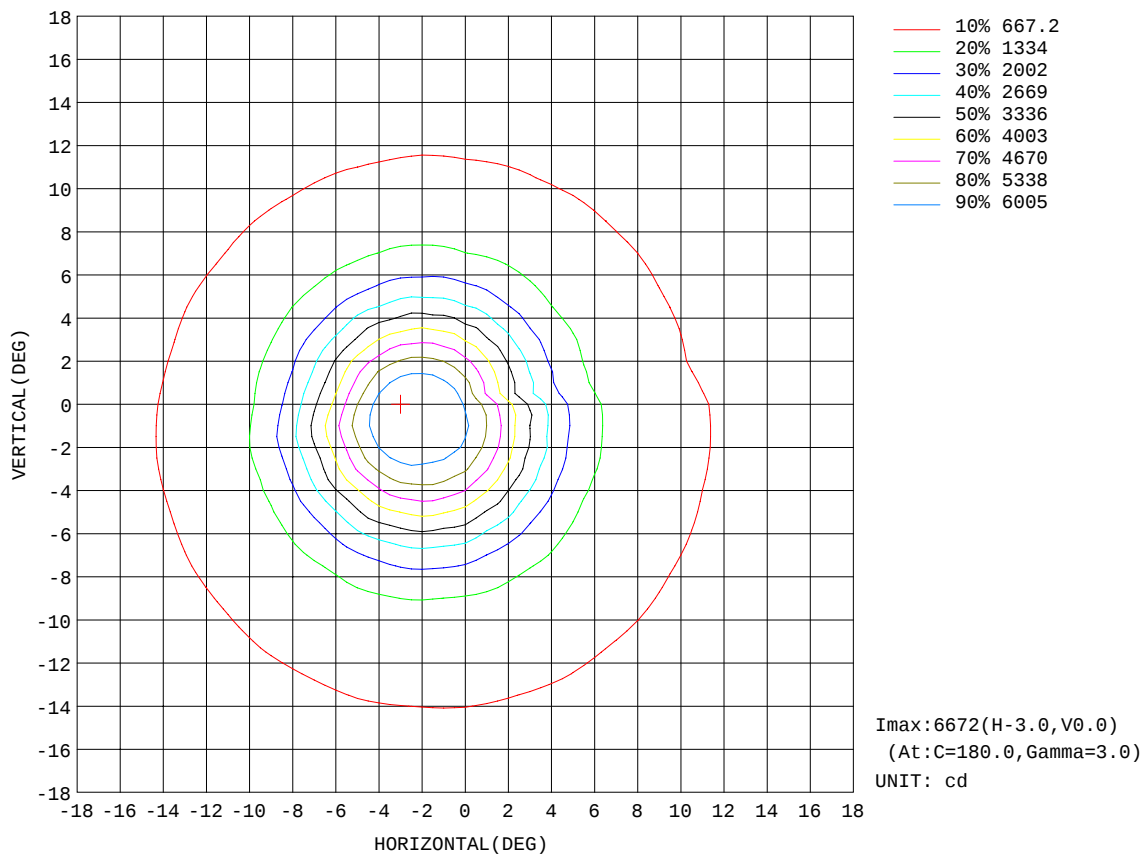
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	91	86	82	91	85	82	90	85	82	79
0.80	98	93	90	98	93	90	96	92	89	86
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	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: 2022-05-04

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-12D-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

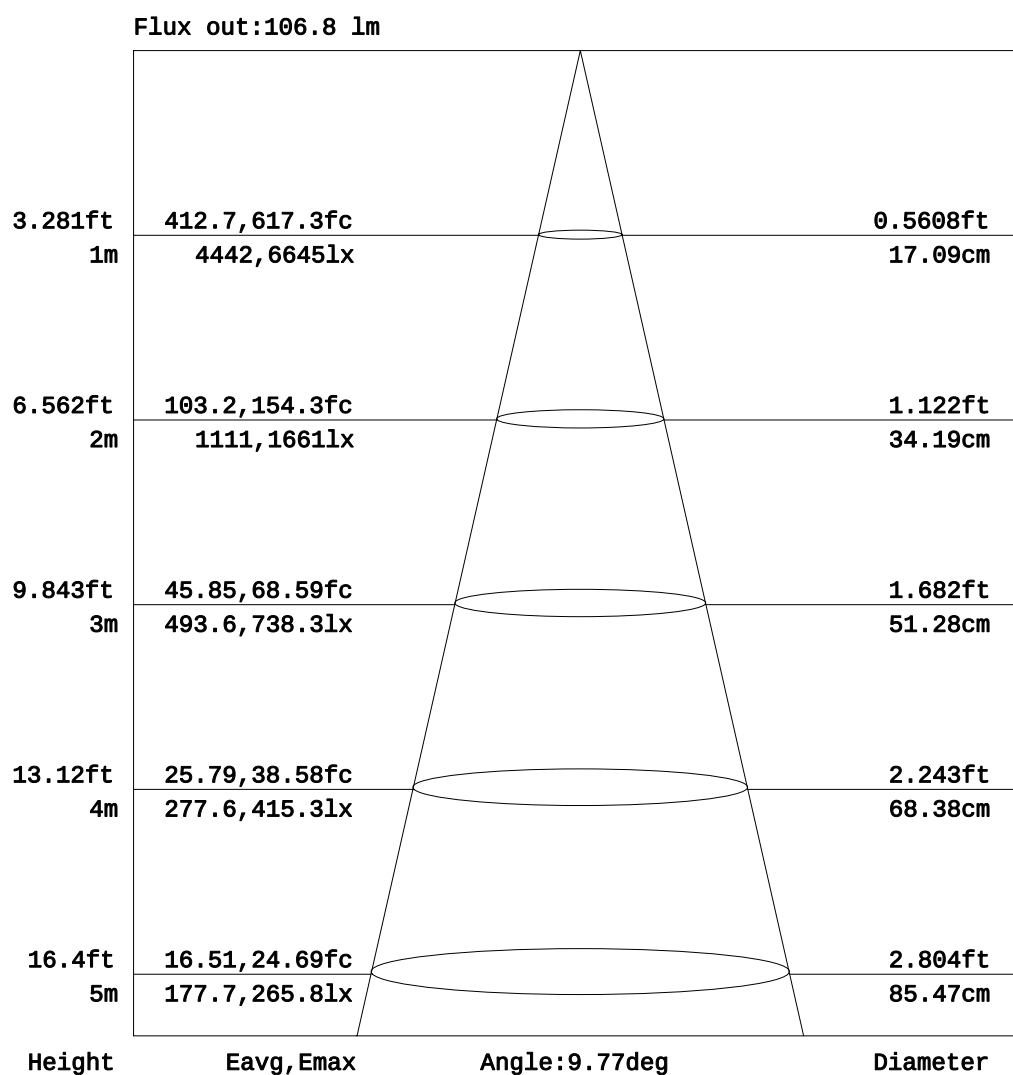


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-04

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-12D-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



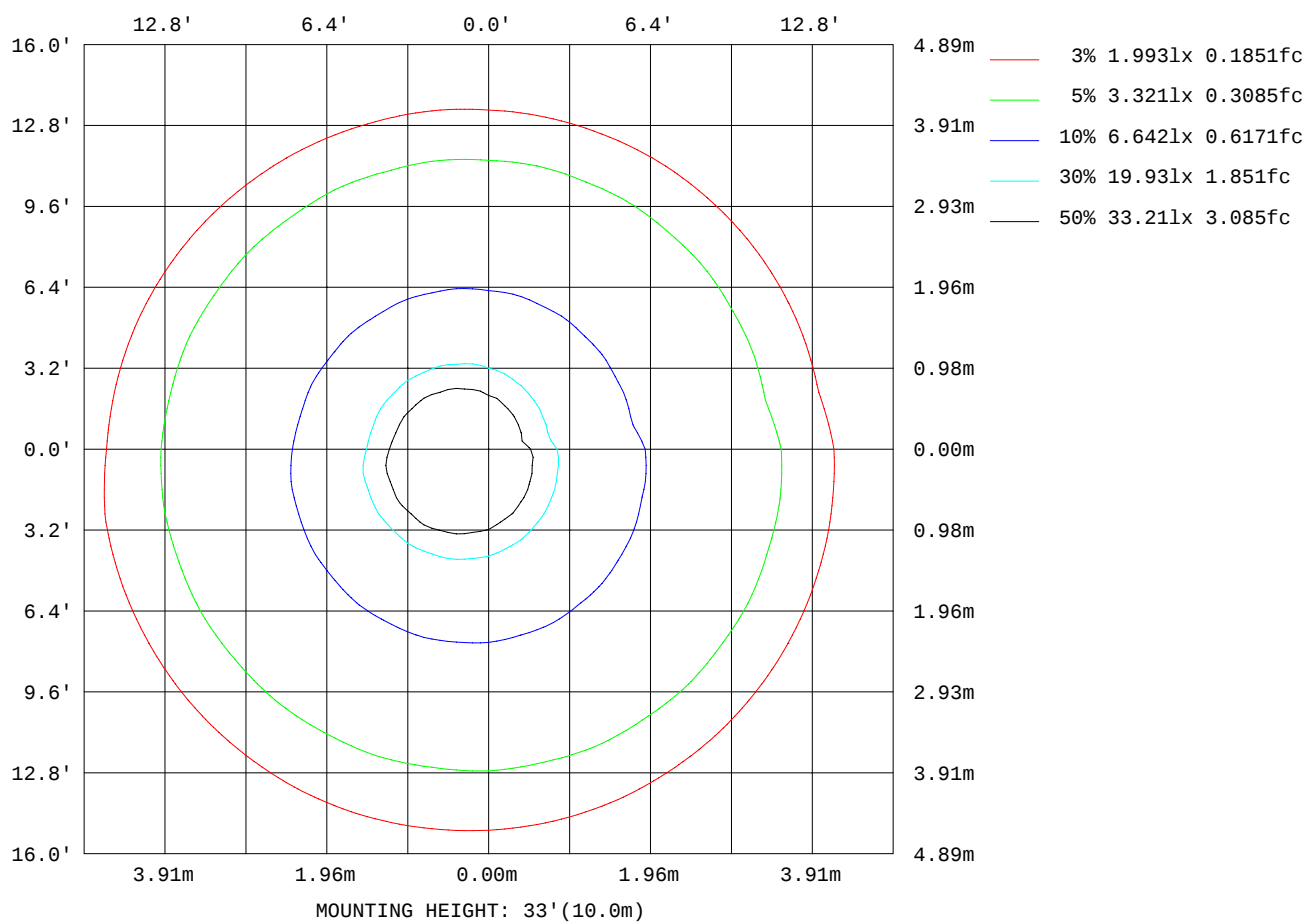
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-04

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-12D-RA90	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: 2022-05-04

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-12D-RA90	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	498.272	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	0	1	0	1	0	1	1	3	2	3	2	2	1	1
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	3	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:2022-05-04

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-12D-RA90	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	498.272	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	0	1	0	1	0	1	1	3	2	3	2	2	1	1
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	3	1000	1500	200	500
65 to 90	0	1000	1500	200	500

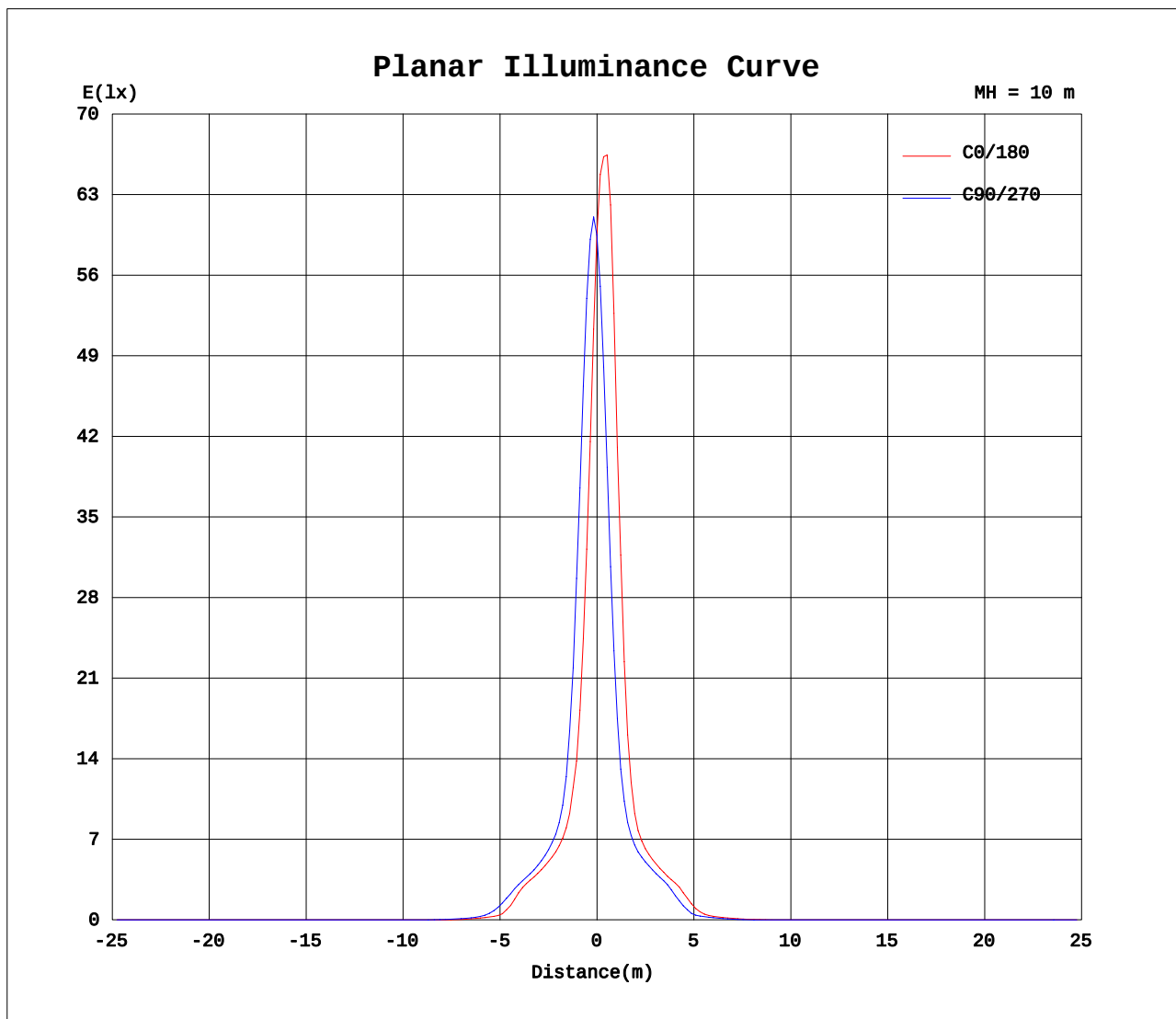
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:2022-05-04

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: 2022-05-04

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-12D-RA90	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
γ (°)	5953	6026	5986	6034	6017	6043	6026	6016	6001	5948	5932	5847	5828	5708	5697	5571	5566	5444	5953
5	1844	1953	2002	2190	2315	2592	2785	3186	3387	3796	4074	4503	4768	5145	5340	5629	5654	5705	5330
10	745	763	774	804	825	865	892	943	978	1044	1148	1171	1293	1302	1415	1383	1365	1392	1249
15	524	532	536	549	556	572	581	597	606	622	628	642	643	652	648	651	643	641	633
20	382	389	392	401	407	417	423	433	438	447	451	458	459	464	464	466	462	463	457
25	120	125	144	156	174	193	209	227	241	253	263	273	281	284	287	286	285	280	254
30	32.8	33.9	34.6	37.0	39.3	43.8	47.5	53.6	57.8	64.1	66.6	71.1	71.3	73.2	71.4	71.5	68.5	67.6	60.1
35	9.12	10.7	11.9	13.0	13.9	15.3	16.5	18.3	19.7	21.6	23.0	24.7	25.8	27.2	27.6	28.3	28.0	27.9	25.7
40	0.61	1.11	2.04	2.93	3.43	3.84	3.77	3.53	3.06	3.68	4.91	6.75	7.83	8.63	8.90	9.11	8.13	7.24	5.80
45	0.21	0.17	0.27	0.35	0.48	0.37	0.40	0.31	0.31	0.28	0.44	0.93	1.35	1.55	1.31	0.77	0.57	0.43	0.38
50	0.11	0.08	0.16	0.14	0.18	0.13	0.18	0.14	0.17	0.10	0.16	0.13	0.22	0.20	0.25	0.18	0.21	0.16	0.14
55	0.00	0.00	0.02	0.00	0.06	0.01	0.08	0.02	0.05	0.00	0.07	0.05	0.15	0.12	0.16	0.09	0.12	0.07	0.07
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	0.11	0.14	0.09	0.12	0.06	0.09	0.03	0.08	0.02	0.06	0.01	0.05	0.00	0.05	0.00	0.04	0.00	0.04	0.08
145	0.34	0.37	0.31	0.34	0.27	0.30	0.24	0.27	0.21	0.24	0.19	0.23	0.17	0.22	0.17	0.22	0.17	0.22	0.26
150	0.80	0.80	0.73	0.73	0.65	0.66	0.59	0.60	0.54	0.55	0.49	0.52	0.46	0.49	0.44	0.48	0.44	0.48	0.54
155	1.70	1.68	1.60	1.56	1.46	1.42	1.33	1.29	1.21	1.19	1.12	1.11	1.04	1.04	0.99	1.00	0.97	1.00	1.08
160	2.42	2.43	2.35	2.35	2.26	2.25	2.17	2.15	2.07	2.06	1.99	1.99	1.92	1.93	1.88	1.89	1.86	1.89	1.88
165	2.79	2.82	2.75	2.77	2.69	2.71	2.63	2.65	2.58	2.60	2.54	2.56	2.51	2.53	2.49	2.53	2.48	2.53	2.50
170	3.06	3.10	3.02	3.01	2.97	3.00	2.93	2.96	2.90	2.93	2.87	2.90	2.84	2.88	2.84	2.87	2.83	2.88	2.92
175	3.09	3.04	3.05	3.05	3.05	3.04	3.04	3.04	3.04	3.03	3.05	3.04	3.06	3.07	3.06	3.04	3.06	3.07	3.08
180	3.04	3.05	3.05	3.06	3.05	3.05	3.04	3.04	3.04	3.04	3.05	3.05	3.05	3.04	3.04	3.02	3.02	3.00	3.09

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-04

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-12D-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	6026	5986	6034	6017	6043	6026	6016	6001	5948	5932	5847	5828	5708	5697	5571	5566	5444		
5	4961	4709	4234	3912	3458	3250	2833	2637	2365	2233	2027	1936	1788	1739	1637	1629	1569		
10	1228	1120	1029	980	910	874	825	803	768	755	729	721	704	702	692	696	691		
15	615	605	587	577	562	554	540	533	522	517	509	506	499	499	494	496	493		
20	446	441	428	421	408	401	387	380	368	365	356	357	352	355	352	356	355		
25	236	220	199	182	164	151	140	125	120	105	96.2	92.8	87.3	86.3	83.3	84.7	84.4		
30	55.8	53.0	48.9	46.1	42.7	41.1	39.2	38.2	36.7	35.9	34.5	33.8	32.5	31.9	30.7	30.4	29.6		
35	24.1	22.8	20.8	19.3	17.5	16.3	14.5	13.3	12.0	11.9	11.5	11.1	10.5	10.3	9.56	8.55	7.31		
40	5.93	6.38	6.03	5.48	4.45	3.27	1.70	1.14	0.92	1.18	1.68	2.10	1.97	1.66	0.89	0.59	0.47		
45	0.49	0.73	0.77	0.62	0.39	0.25	0.26	0.18	0.22	0.17	0.23	0.21	0.28	0.22	0.25	0.16	0.20		
50	0.20	0.16	0.22	0.16	0.19	0.13	0.17	0.08	0.11	0.05	0.13	0.09	0.17	0.11	0.16	0.08	0.11		
55	0.12	0.08	0.14	0.08	0.13	0.06	0.07	0.00	0.01	0.00	0.03	0.00	0.04	0.00	0.04	0.00	0.00		
60	0.01	0.00	0.02	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		
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	0.01	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.03	0.00		
140	0.04	0.09	0.06	0.11	0.08	0.13	0.10	0.16	0.12	0.17	0.13	0.18	0.14	0.19	0.15	0.19	0.14		
145	0.23	0.28	0.25	0.30	0.28	0.35	0.32	0.37	0.35	0.40	0.36	0.42	0.38	0.43	0.38	0.42	0.37		
150	0.50	0.57	0.55	0.61	0.61	0.68	0.68	0.75	0.75	0.81	0.80	0.86	0.84	0.87	0.85	0.88	0.84		
155	1.07	1.14	1.15	1.23	1.25	1.34	1.37	1.45	1.46	1.53	1.53	1.59	1.58	1.63	1.62	1.65	1.61		
160	1.86	1.93	1.93	2.01	2.01	2.09	2.09	2.16	2.15	2.22	2.20	2.27	2.24	2.29	2.25	2.29	2.24		
165	2.47	2.53	2.51	2.57	2.55	2.62	2.60	2.66	2.63	2.69	2.66	2.70	2.67	2.71	2.68	2.71	2.67		
170	2.87	2.92	2.88	2.95	2.90	2.97	2.93	2.99	2.93	2.99	2.94	2.95	2.94	2.96	2.93	2.95	2.93		
175	3.10	3.08	3.10	3.08	3.09	3.06	3.06	3.05	3.02	3.02	2.99	2.97	2.95	2.94	2.91	2.87	2.91		
180	3.08	3.08	3.09	3.09	3.08	3.08	3.06	3.06	3.02	3.02	3.01	3.02	3.01	3.01	2.98	2.99	2.97		

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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