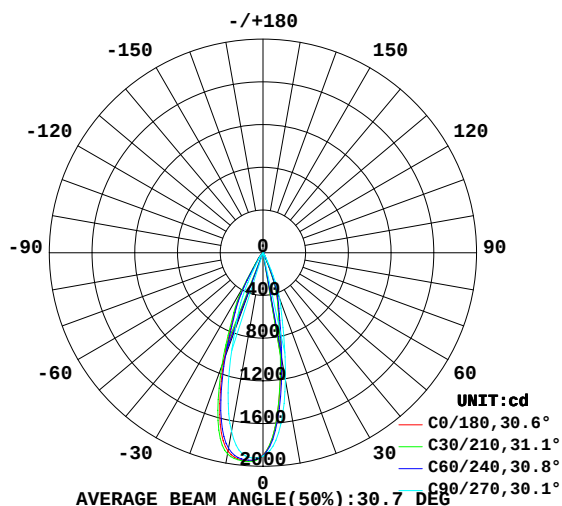


LUMINAIRE PHOTOMETRIC TEST REPORT

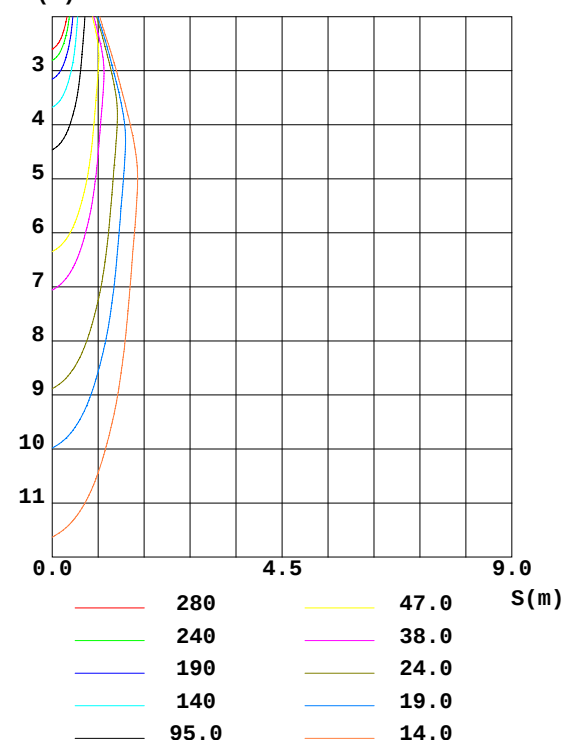
NAME: CL-Dot06-D9 3000K-RA90-8W-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.60 lm/W			
MODEL		I _{max} (cd)	1961	S/MH(C0/180)	0.34
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.42
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	644.51	η UP, DN(C0-180)	0.2, 40.5
NOMINAL FLUX(lm)	644.507	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 59.1
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:2022-04-20

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	952.5	962.2	1212	1610	1888	1895	1699	1295	0- 10	158.6	158.6	24.6, 24.6
20	337.6	338.0	457.0	695.3	1065	1099	761.1	478.5	10- 20	280.7	439.3	68.2, 68.2
30	39.48	42.91	58.30	135.9	324.4	347.7	151.1	64.69	20- 30	160.4	599.7	93, 93
40	1.005	1.624	1.958	23.46	58.56	60.49	24.02	5.676	30- 40	36.74	636.4	98.7, 98.7
50	0.1326	0.1747	0.1788	0.6900	1.260	2.230	0.4685	0.3161	40- 50	5.491	641.9	99.6, 99.6
60	0	0	0	0.0332	0.0421	0.1250	0.0096	0.0000	50- 60	0.1890	642.1	99.6, 99.6
70	0	0	0	0	0	0	0	0	60- 70	0.0039	642.1	99.6, 99.6
80	0	0	0	0	0	0	0	0	70- 80	0	642.1	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	0	642.1	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0	642.1	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	642.1	99.6, 99.6
120	0	0	0	0	0	0	0	0	110-120	0	642.1	99.6, 99.6
130	0.0140	0.0519	0	0	0	0	0	0.0001	120-130	0.0010	642.1	99.6, 99.6
140	0.6360	0.6723	0.4207	0.1345	0.0570	0.0355	0.0941	0.3494	130-140	0.0870	642.2	99.6, 99.6
150	1.797	1.855	1.431	0.8731	0.5815	0.5523	0.7685	1.251	140-150	0.4121	642.6	99.7, 99.7
160	2.967	3.070	2.681	2.090	1.663	1.619	1.901	2.440	150-160	0.7755	643.4	99.8, 99.8
170	3.595	3.707	3.530	3.197	2.885	2.855	3.043	3.370	160-170	0.7847	644.2	99.9, 99.9
180	3.714	3.738	3.738	3.712	3.681	3.702	3.705	3.714	170-180	0.3321	644.5	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

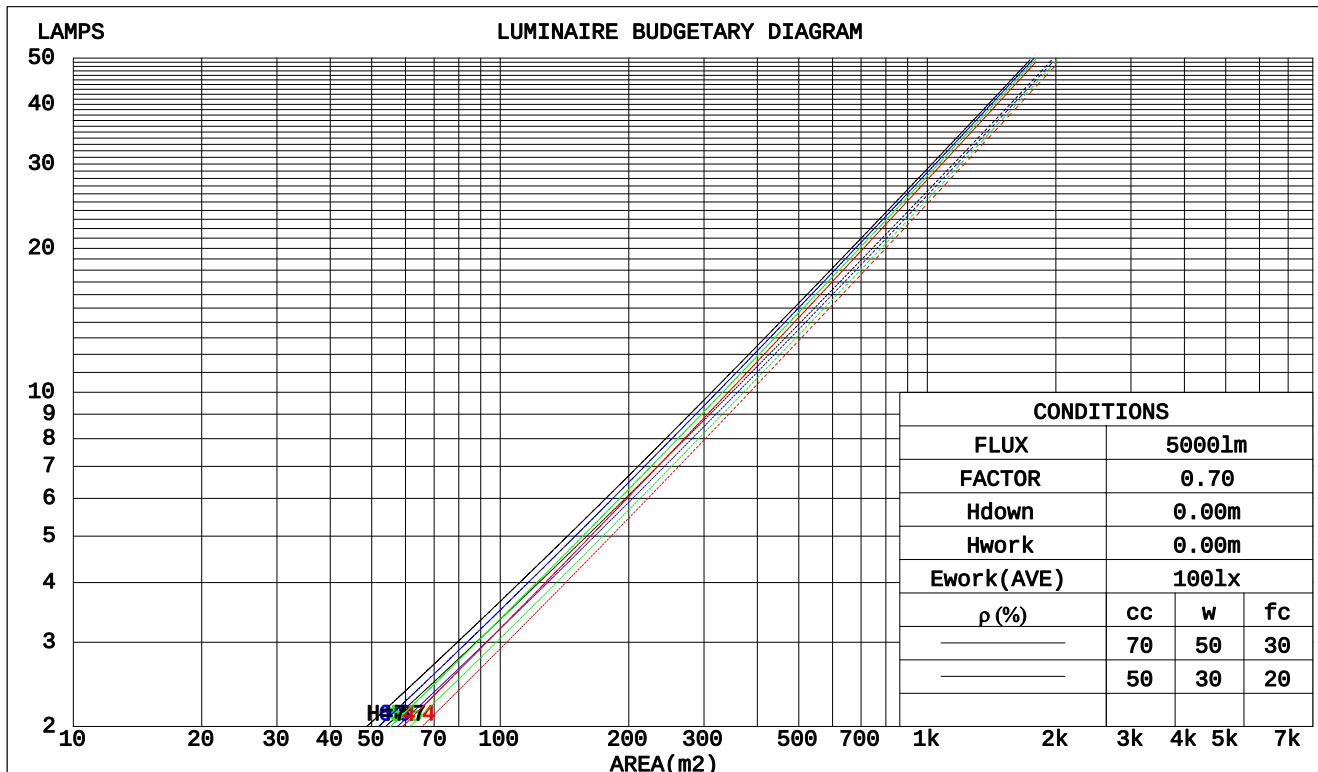
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 0
 Test Date: 2022-04-20

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-34D.	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	1.12	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	1.06	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.87	.92	.89	.86	.90	.87	.85	.84
5.0	.92	.88	.85	.92	.87	.84	.90	.86	.83	.88	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.78
7.0	.85	.81	.77	.85	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.79	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.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:0
Test Date:2022-04-20

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-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.147	.083	.026	.140	.080	.025	.127	.073	.023	.116	.067	.021	.105	.061	.020		
2.0	.137	.075	.023	.132	.072	.022	.121	.067	.021	.111	.063	.020	.102	.058	.018		
3.0	.129	.069	.021	.124	.067	.020	.115	.063	.019	.107	.059	.018	.100	.055	.017		
4.0	.122	.063	.019	.118	.062	.018	.110	.058	.017	.103	.055	.017	.097	.053	.016		
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015		
6.0	.110	.055	.016	.107	.054	.016	.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	.089	.045	.013	.086	.044	.013		
9.0	.096	.046	.013	.094	.046	.013	.090	.045	.013	.087	.043	.012	.083	.042	.012		
10.0	.092	.044	.012	.090	.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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.172	.160	.150	.147	.138	.129	.101	.095	.089	.058	.055	.052	.019	.018	.017		
2.0	.154	.136	.120	.132	.117	.103	.091	.081	.072	.052	.047	.042	.017	.015	.014		
3.0	.140	.116	.097	.120	.100	.084	.083	.070	.059	.048	.041	.035	.015	.013	.011		
4.0	.128	.101	.080	.110	.087	.070	.076	.061	.049	.044	.036	.029	.014	.012	.010		
5.0	.118	.089	.067	.102	.077	.058	.070	.054	.041	.041	.032	.024	.013	.010	.008		
6.0	.110	.079	.057	.095	.069	.050	.065	.048	.035	.038	.028	.021	.012	.009	.007		
7.0	.103	.071	.049	.088	.062	.043	.061	.043	.030	.035	.025	.018	.011	.008	.006		
8.0	.097	.065	.043	.083	.056	.037	.058	.039	.026	.033	.023	.016	.011	.008	.005		
9.0	.091	.059	.037	.079	.051	.033	.054	.036	.023	.032	.021	.014	.010	.007	.005		
10.0	.087	.054	.033	.075	.047	.029	.052	.033	.021	.030	.020	.012	.010	.006	.004		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-20

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-34D.					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					-14.6	-13.9	-14.4	-13.7	-13.6	-10.1	-9.4	-9.9	-9.2	-9.0
3H					-14.8	-14.1	-14.5	-13.9	-13.7	-10.2	-9.6	-10.0	-9.4	-9.2
4H					-14.9	-14.2	-14.6	-14.0	-13.8	-10.3	-9.7	-10.1	-9.5	-9.2
6H					-15.0	-14.4	-14.7	-14.1	-13.9	-10.4	-9.8	-10.1	-9.6	-9.3
8H					-15.0	-14.4	-14.7	-14.2	-13.9	-10.5	-9.9	-10.1	-9.6	-9.4
12H					-15.0	-14.5	-14.7	-14.2	-13.9	-10.5	-9.9	-10.2	-9.7	-9.4
4H 2H					-14.9	-14.2	-14.6	-14.0	-13.8	-10.3	-9.7	-10.1	-9.5	-9.2
3H					-15.0	-14.5	-14.7	-14.2	-13.9	-10.5	-9.9	-10.2	-9.7	-9.4
4H					-15.1	-14.6	-14.8	-14.3	-14.0	-10.6	-10.1	-10.2	-9.8	-9.5
6H					-15.2	-14.8	-14.9	-14.5	-14.1	-10.7	-10.2	-10.3	-9.9	-9.6
8H					-15.3	-14.9	-14.9	-14.5	-14.2	-10.7	-10.3	-10.4	-10.0	-9.6
12H					-15.4	-15.0	-14.9	-14.6	-14.2	-10.8	-10.4	-10.4	-10.0	-9.7
8H 4H					-15.3	-14.9	-14.9	-14.5	-14.2	-10.7	-10.3	-10.4	-10.0	-9.6
6H					-15.4	-15.1	-15.0	-14.7	-14.3	-10.9	-10.5	-10.4	-10.1	-9.7
8H					-15.5	-15.2	-15.0	-14.7	-14.3	-10.9	-10.6	-10.5	-10.2	-9.7
12H					-15.5	-15.3	-15.1	-14.8	-14.3	-11.0	-10.7	-10.5	-10.3	-9.8
12H 4H					-15.4	-15.0	-14.9	-14.6	-14.2	-10.8	-10.4	-10.4	-10.0	-9.7
6H					-15.5	-15.2	-15.0	-14.7	-14.3	-10.9	-10.6	-10.5	-10.2	-9.7
8H					-15.5	-15.3	-15.1	-14.8	-14.3	-11.0	-10.7	-10.5	-10.3	-9.8
Variations with the observer position at spacings:														
S = 1.0H					+ 4.5 / - 1.\$					+ 6.2 / - 1.\$				
1.5H					+ 7.0 / -42.8					+ 8.9 / -26.4				
2.0H					+ 7.9 / - 1.\$					+ 7.3 / - 1.\$				

CIE Pub.117 Corrected 644.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.5)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-20

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-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

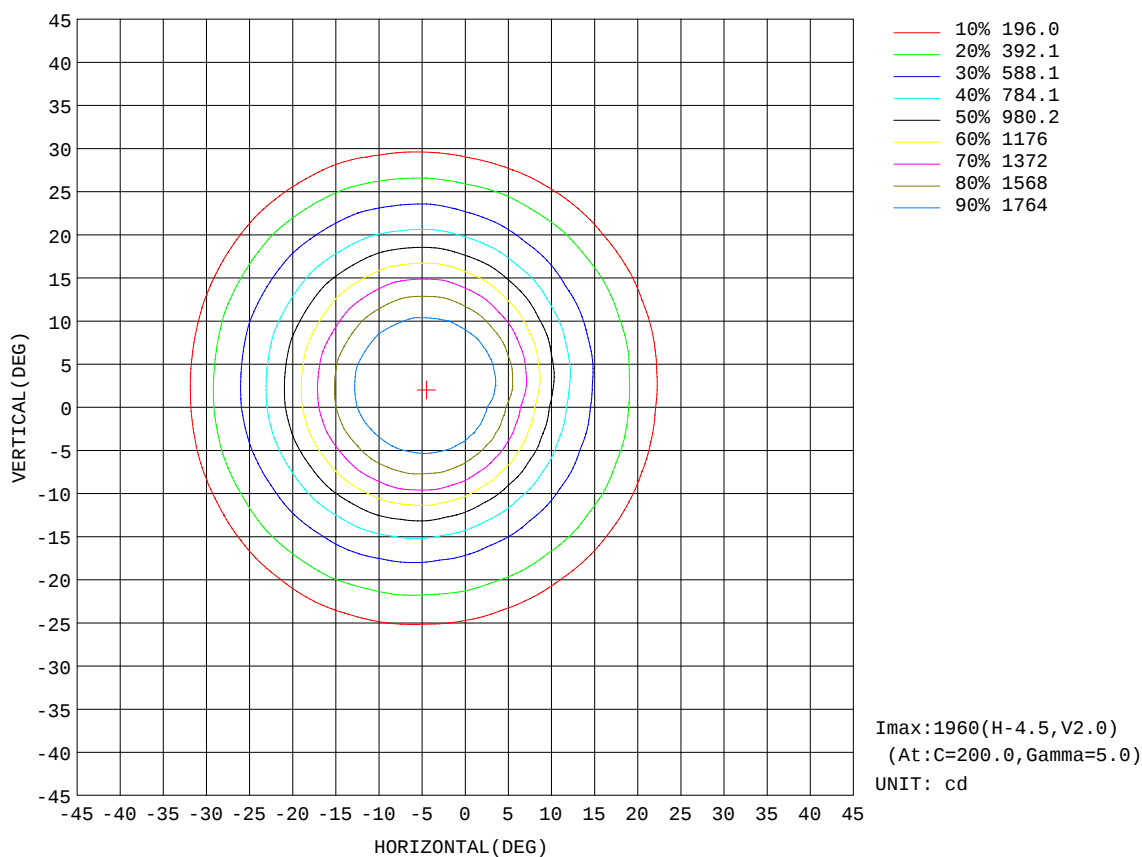
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	81	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	102	97	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	108	103	100	106	103	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	106	104	102	96
3.00	113	109	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	113	112	110	109	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: 2022-04-20

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-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

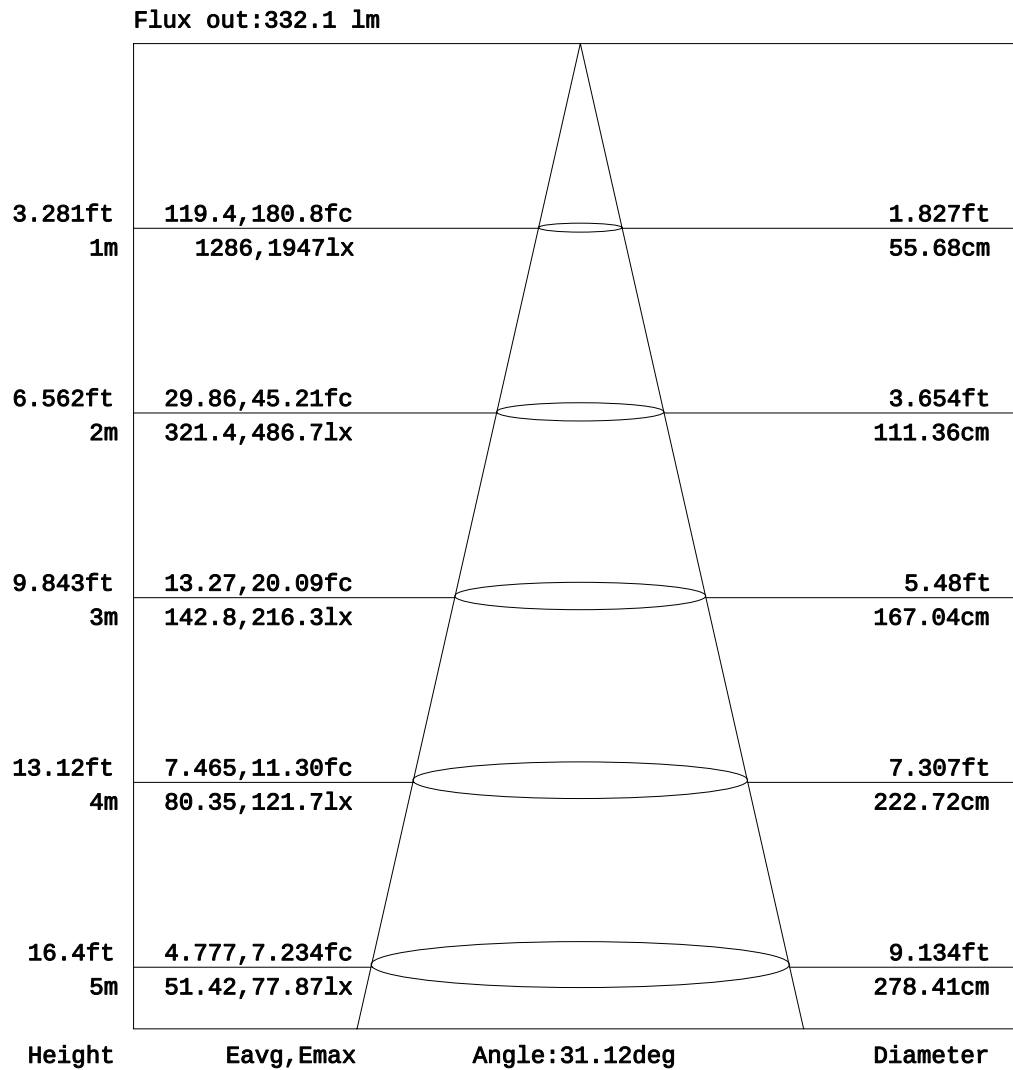


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-20

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-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



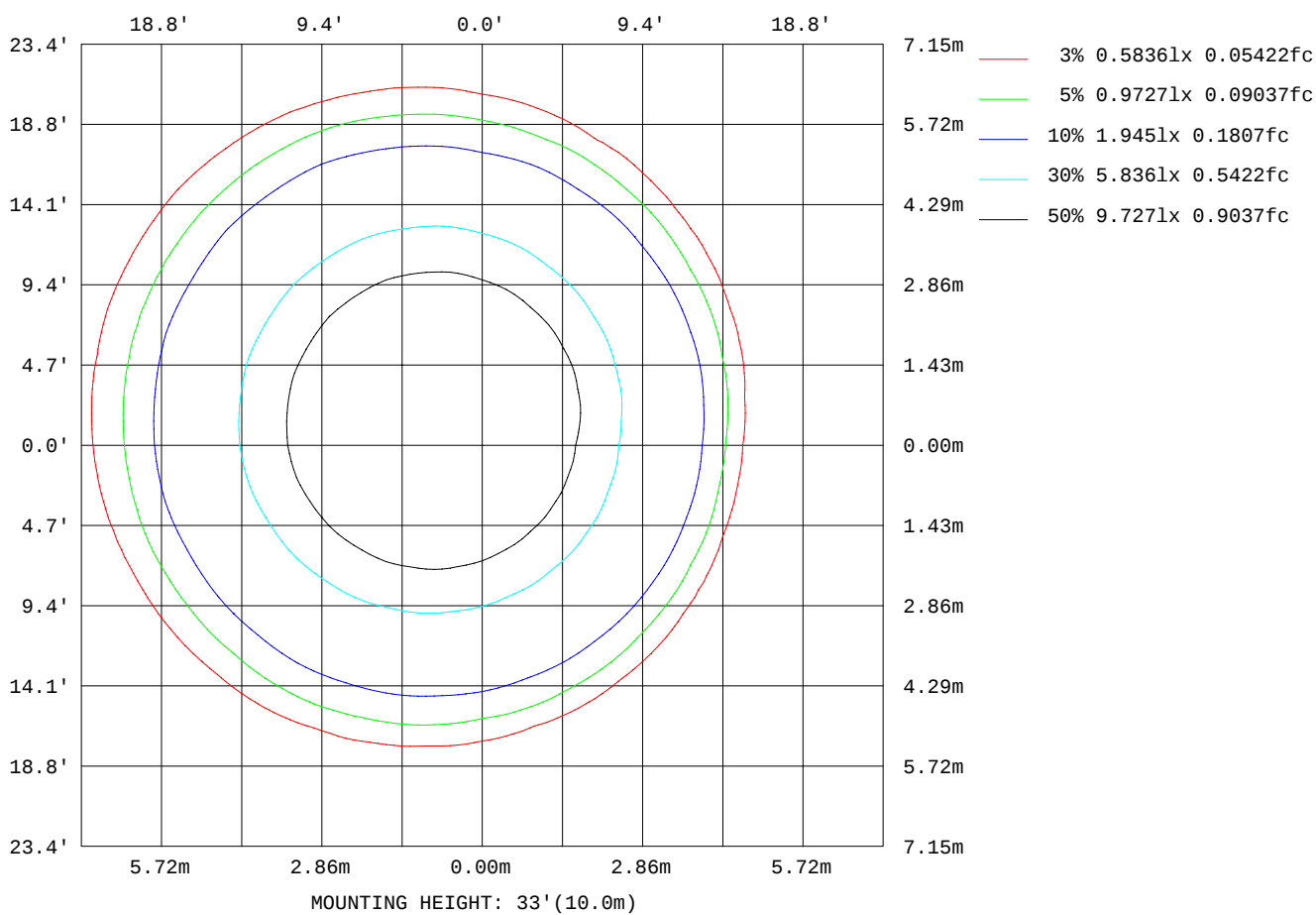
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-20

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-34D.	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: 2022-04-20

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-34D.	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	644.507	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	2	3	5	5	6	5	5
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	6	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:2022-04-20

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-34D.	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	644.507	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	2	3	5	5	6	5	5
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	6	1000	1500	200	500
65 to 90	0	1000	1500	200	500

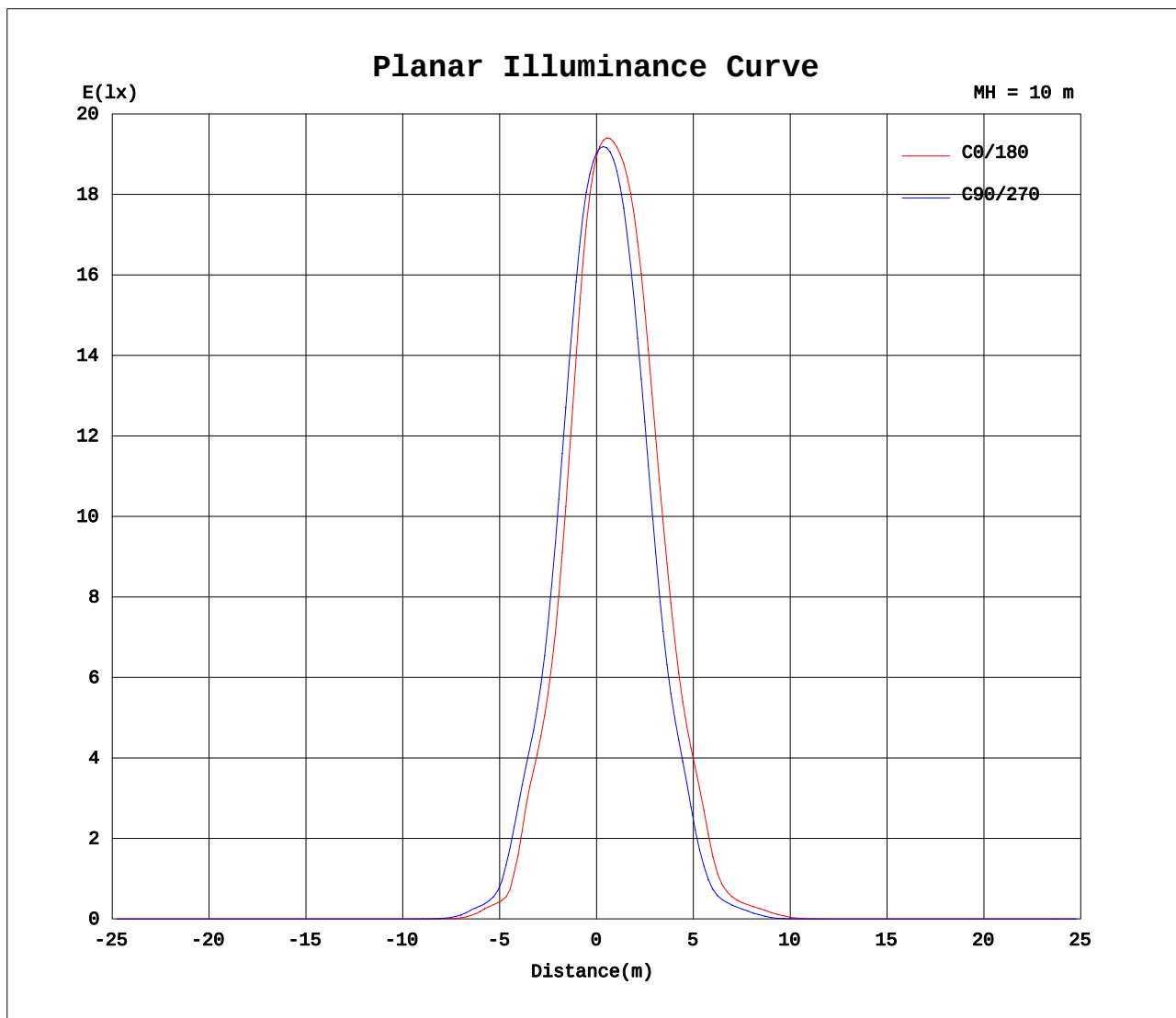
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:2022-04-20

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: 2022-04-20

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-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	1894	1897	1895	1900	1899	1902	1900	1903	1901	1903	1902	1902	1901	1900	1899	1896	1894	1887	1894
5	1535	1528	1512	1527	1529	1557	1572	1612	1641	1690	1727	1773	1808	1846	1873	1895	1911	1922	1953
10	952	939	922	937	944	980	1010	1071	1125	1212	1287	1387	1471	1571	1649	1730	1790	1841	1888
15	561	553	544	551	557	576	593	630	665	726	788	883	973	1091	1190	1309	1402	1501	1568
20	338	329	317	317	328	348	361	392	419	457	492	541	591	660	731	823	903	998	1065
25	74.3	71.5	69.8	74.0	78.2	87.7	96.7	117	148	181	224	277	327	392	445	503	549	601	643
30	39.5	38.0	37.0	38.8	40.7	45.1	47.8	51.1	52.9	58.3	65.8	78.4	95.1	122	149	188	229	288	324
35	5.46	5.30	5.69	7.46	9.04	10.3	10.9	12.5	14.0	18.6	24.5	36.1	48.5	57.9	65.6	74.6	82.2	91.7	101
40	1.00	0.93	1.01	1.25	1.52	1.73	1.78	1.78	1.74	1.96	2.52	4.46	8.57	18.6	28.3	37.8	44.8	52.9	58.6
45	0.38	0.31	0.38	0.38	0.48	0.48	0.55	0.49	0.52	0.50	0.62	0.77	1.20	2.27	4.07	6.66	9.12	11.3	13.1
50	0.13	0.08	0.14	0.12	0.19	0.16	0.21	0.17	0.21	0.18	0.24	0.25	0.39	0.53	0.85	1.12	1.24	1.23	1.26
55	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.05	0.01	0.08	0.04	0.14	0.17	0.28	0.30	0.35	0.30	0.29
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	0.07	0.05	0.10	0.04
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	0.01	0.08	0.04	0.09	0.04	0.07	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.25	0.32	0.29	0.33	0.28	0.30	0.23	0.23	0.14	0.14	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.64	0.71	0.69	0.73	0.67	0.68	0.59	0.56	0.45	0.42	0.31	0.29	0.18	0.18	0.09	0.09	0.03	0.05	0.06
145	1.16	1.26	1.24	1.28	1.22	1.20	1.10	1.06	0.92	0.86	0.71	0.66	0.52	0.48	0.36	0.35	0.26	0.26	0.25
150	1.80	1.89	1.89	1.93	1.86	1.85	1.73	1.67	1.51	1.43	1.27	1.17	1.01	0.94	0.81	0.76	0.65	0.62	0.58
155	2.42	2.53	2.53	2.57	2.51	2.50	2.38	2.32	2.17	2.07	1.90	1.79	1.62	1.53	1.39	1.31	1.18	1.14	1.07
160	2.97	3.08	3.09	3.13	3.07	3.07	2.96	2.91	2.76	2.68	2.52	2.42	2.25	2.16	2.02	1.94	1.82	1.76	1.66
165	3.35	3.46	3.44	3.51	3.45	3.47	3.38	3.37	3.24	3.19	3.04	2.98	2.83	2.76	2.62	2.56	2.44	2.40	2.27
170	3.60	3.70	3.67	3.73	3.69	3.72	3.64	3.64	3.54	3.53	3.43	3.39	3.28	3.26	3.14	3.11	3.01	2.99	2.88
175	3.75	3.76	3.80	3.80	3.81	3.79	3.76	3.74	3.72	3.74	3.65	3.66	3.57	3.59	3.51	3.52	3.43	3.44	3.37
180	3.71	3.71	3.74	3.74	3.74	3.73	3.74	3.73	3.74	3.74	3.72	3.72	3.71	3.71	3.71	3.72	3.70	3.71	3.68

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-20

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-34D.	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 (°)	1897	1895	1900	1899	1902	1900	1903	1901	1903	1902	1902	1901	1900	1899	1896	1894	1887		
0	1897	1895	1900	1899	1902	1900	1903	1901	1903	1902	1902	1901	1900	1899	1896	1894	1887		
5	1959	1961	1960	1956	1951	1946	1938	1927	1909	1887	1856	1825	1781	1743	1690	1647	1589		
10	1908	1918	1913	1906	1884	1859	1817	1770	1699	1630	1533	1446	1337	1252	1155	1088	1010		
15	1606	1637	1627	1618	1574	1530	1447	1366	1250	1148	1024	926	819	746	674	630	584		
20	1104	1138	1130	1124	1074	1025	936	856	761	688	609	554	497	460	421	395	361		
25	665	689	684	680	650	621	570	521	453	398	330	280	218	173	141	108	84.6		
30	352	378	370	365	330	300	239	194	151	119	93.3	79.0	68.2	61.2	54.6	49.3	44.1		
35	107	114	113	112	104	96.1	83.8	73.8	62.9	55.0	47.9	42.4	33.9	26.9	19.8	14.5	8.61		
40	61.6	64.2	63.4	63.0	58.0	51.5	42.7	34.4	24.0	17.0	11.3	8.95	6.50	4.85	3.05	1.91	1.27		
45	15.1	19.7	21.6	21.7	17.5	13.9	8.22	4.11	2.10	1.59	1.30	1.17	1.10	0.98	0.75	0.52	0.43		
50	1.31	1.60	1.90	2.28	2.18	1.75	1.04	0.64	0.47	0.34	0.35	0.32	0.35	0.28	0.28	0.19	0.17		
55	0.35	0.34	0.43	0.47	0.52	0.38	0.28	0.16	0.16	0.07	0.10	0.07	0.11	0.04	0.08	0.00	0.01		
60	0.09	0.07	0.14	0.11	0.14	0.06	0.07	0.00	0.01	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	0.05	0.02		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.06	0.15	0.14	0.22	0.22		
140	0.00	0.04	0.00	0.06	0.01	0.08	0.05	0.11	0.09	0.18	0.19	0.28	0.30	0.40	0.43	0.53	0.55		
145	0.19	0.23	0.19	0.25	0.21	0.28	0.27	0.35	0.36	0.47	0.50	0.61	0.67	0.80	0.86	0.98	1.03		
150	0.52	0.55	0.51	0.56	0.54	0.62	0.63	0.72	0.77	0.89	0.96	1.10	1.18	1.32	1.41	1.55	1.63		
155	1.00	1.02	0.98	1.03	1.03	1.11	1.14	1.24	1.31	1.44	1.52	1.67	1.77	1.93	2.02	2.17	2.24		
160	1.59	1.61	1.57	1.62	1.62	1.70	1.73	1.84	1.90	2.04	2.12	2.27	2.36	2.52	2.59	2.73	2.79		
165	2.21	2.23	2.19	2.25	2.25	2.32	2.35	2.46	2.50	2.63	2.69	2.83	2.91	3.04	3.09	3.21	3.23		
170	2.83	2.86	2.82	2.87	2.84	2.92	2.93	3.03	3.04	3.14	3.18	3.29	3.31	3.43	3.45	3.54	3.53		
175	3.32	3.37	3.33	3.37	3.33	3.41	3.38	3.46	3.45	3.53	3.52	3.60	3.60	3.68	3.67	3.75	3.71		
180	3.69	3.71	3.72	3.71	3.69	3.70	3.70	3.71	3.70	3.71	3.71	3.71	3.71	3.71	3.74	3.74	3.74		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-20

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: