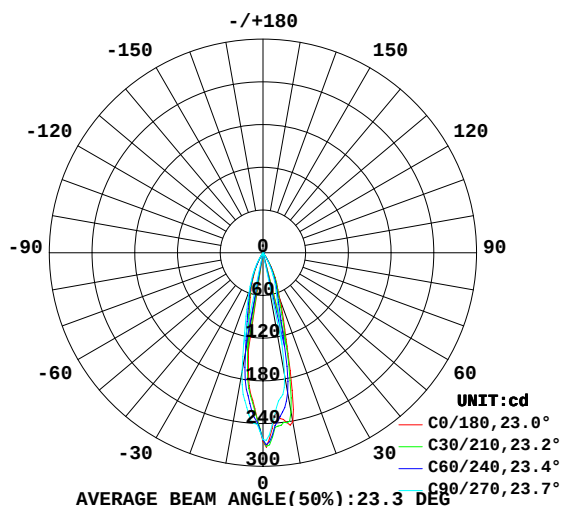


LUMINAIRE PHOTOMETRIC TEST REPORT

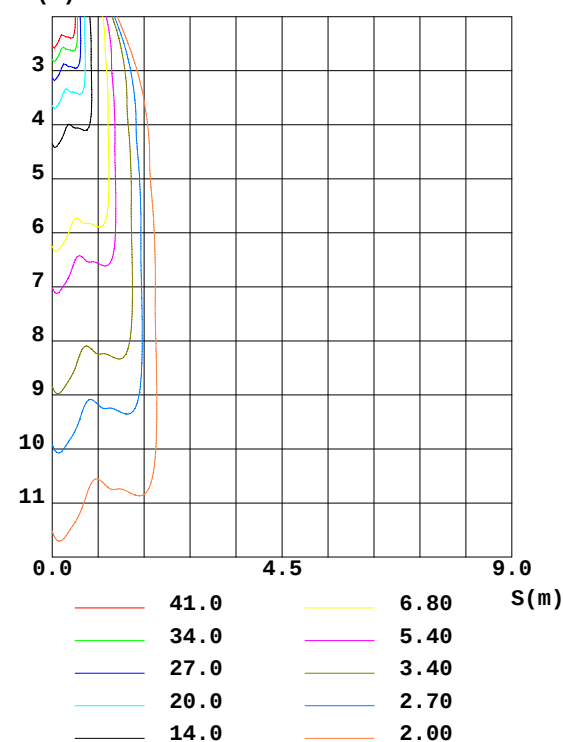
NAME: CL-Dot01-3000k-Ra90-12D-2w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 30.15 lm/W			
MODEL		Imax(cd)	273.1	S/MH(C0/180)	0.49
NOMINAL POWER(W)	2	LOR(%)	100.0	S/MH(C90/270)	0.41
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	65.130	η UP, DN(C0-180)	0.1, 50.4
NOMINAL FLUX(lm)	65.1301	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.5
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η down(%)	99.9	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: 2022-05-09

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	241.1	212.0	175.6	128.9	115.9	130.7	169.8	204.9	0- 10	19.91	19.91	30.6, 30.6
20	69.46	60.78	52.53	47.15	45.70	49.19	56.21	62.05	10- 20	26.93	46.83	71.9, 71.9
30	22.76	19.06	13.08	9.627	8.443	10.90	14.92	20.07	20- 30	15.05	61.89	95, 95
40	1.677	1.568	0.4883	0.5382	0	0.4152	0.4513	1.710	30- 40	2.997	64.88	99.6, 99.6
50	0	0.0001	0	0	0	0	0	0	40- 50	0.1545	65.04	99.9, 99.9
60	0	0	0	0	0	0	0	0	50- 60	0.0000	65.04	99.9, 99.9
70	0	0	0	0	0	0	0	0	60- 70	0	65.04	99.9, 99.9
80	0	0	0	0	0	0	0	0	70- 80	0	65.04	99.9, 99.9
90	0	0	0	0	0	0	0	0	80- 90	0	65.04	99.9, 99.9
100	0	0	0	0	0	0	0	0	90-100	0	65.04	99.9, 99.9
110	0	0	0	0	0	0	0	0	100-110	0	65.04	99.9, 99.9
120	0	0	0	0	0	0	0	0	110-120	0	65.04	99.9, 99.9
130	0	0	0	0	0	0	0	0	120-130	0	65.04	99.9, 99.9
140	0	0	0	0	0	0	0	0	130-140	0	65.04	99.9, 99.9
150	0	0	0.0001	0.0142	0.0286	0.0119	0	0	140-150	0.0004	65.04	99.9, 99.9
160	0.0612	0.1014	0.1465	0.1486	0.1794	0.1368	0.0895	0.0873	150-160	0.0224	65.06	99.9, 99.9
170	0.2028	0.2121	0.2344	0.2172	0.2450	0.2154	0.1888	0.2041	160-170	0.0481	65.11	100, 100
180	0.2407	0.2360	0.2454	0.2336	0.2454	0.2360	0.2312	0.2336	170-180	0.0213	65.13	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

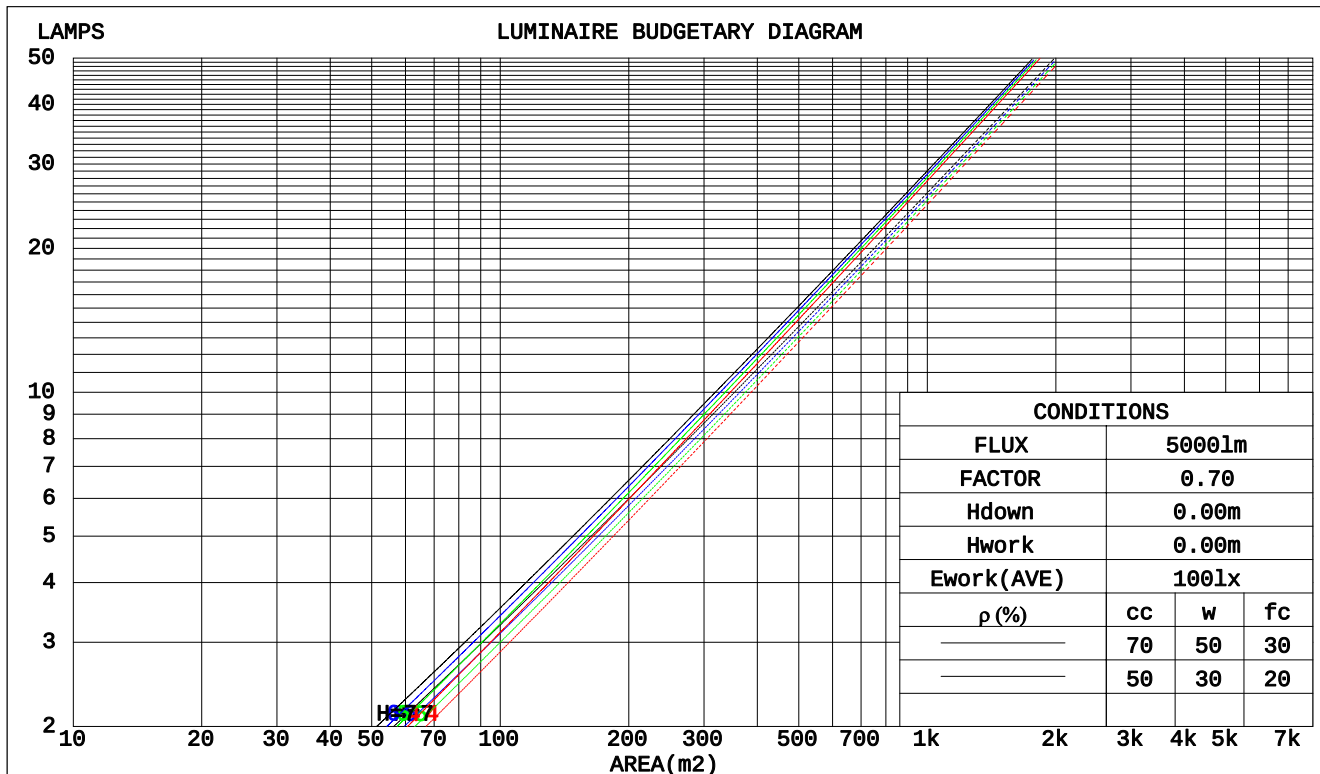
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-09

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-Ra90-12D-2w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.13	1.11	1.09	1.11	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.01	1.05	1.03	1.00	1.02	1.00	.98	.99	.98	.96	.97	.95	.94	.93
3.0	1.02	.99	.96	1.01	.98	.95	.98	.96	.93	.96	.94	.92	.94	.92	.90	.89
4.0	.98	.94	.91	.97	.93	.90	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.94	.90	.87	.93	.89	.86	.92	.88	.85	.90	.87	.85	.89	.86	.84	.83
6.0	.91	.86	.83	.90	.86	.83	.88	.85	.82	.87	.84	.82	.86	.83	.81	.80
7.0	.87	.83	.80	.87	.83	.80	.86	.82	.79	.84	.81	.79	.83	.81	.78	.77
8.0	.84	.80	.77	.84	.80	.77	.83	.79	.76	.82	.79	.76	.81	.78	.76	.75
9.0	.81	.77	.74	.81	.77	.74	.80	.77	.74	.79	.76	.74	.79	.76	.74	.73
10.0	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.77	.73	.71	.70



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-09

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-Ra90-12D-2w	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	.141	.080	.025	.134	.077	.024	.122	.070	.022	.110	.064	.020	.100	.058	.019		
2.0	.131	.072	.022	.126	.069	.021	.116	.064	.020	.106	.059	.019	.097	.055	.017		
3.0	.123	.065	.020	.118	.063	.019	.110	.059	.018	.102	.056	.017	.094	.052	.016		
4.0	.116	.060	.018	.112	.059	.017	.105	.055	.017	.098	.052	.016	.091	.050	.015		
5.0	.109	.056	.016	.106	.054	.016	.100	.052	.015	.094	.050	.015	.089	.047	.014		
6.0	.104	.052	.015	.101	.051	.015	.096	.049	.014	.091	.047	.014	.086	.045	.013		
7.0	.099	.049	.014	.097	.048	.014	.092	.046	.013	.087	.045	.013	.083	.043	.013		
8.0	.095	.046	.013	.092	.046	.013	.088	.044	.013	.084	.043	.012	.081	.041	.012		
9.0	.091	.044	.012	.089	.043	.012	.085	.042	.012	.082	.041	.012	.078	.040	.011		
10.0	.087	.042	.012	.085	.041	.011	.082	.040	.011	.079	.039	.011	.076	.038	.011		

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	.145	.136	.128	.099	.094	.089	.057	.054	.052	.018	.017	.017	
2.0	.152	.134	.119	.130	.115	.102	.089	.080	.071	.051	.046	.042	.016	.015	.014	
3.0	.137	.114	.096	.118	.099	.083	.081	.069	.058	.047	.040	.034	.015	.013	.011	
4.0	.125	.099	.079	.107	.086	.069	.074	.060	.049	.043	.035	.029	.014	.011	.009	
5.0	.115	.087	.066	.099	.075	.058	.068	.053	.041	.039	.031	.024	.013	.010	.008	
6.0	.106	.077	.056	.091	.067	.049	.063	.047	.035	.037	.027	.021	.012	.009	.007	
7.0	.099	.069	.048	.085	.060	.042	.059	.042	.030	.034	.025	.018	.011	.008	.006	
8.0	.093	.062	.041	.080	.054	.036	.055	.038	.026	.032	.022	.015	.010	.007	.005	
9.0	.087	.057	.036	.075	.049	.032	.052	.035	.022	.030	.020	.013	.010	.007	.004	
10.0	.082	.052	.032	.071	.045	.028	.049	.032	.020	.029	.019	.012	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-09

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: Dot01-3000k-Ra90-12D-2w						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	-8.2	-7.5	-8.0	-7.4	-7.2	-12.4	-11.8	-12.2	-11.6	-11.4					
3H	-8.4	-7.7	-8.1	-7.5	-7.3	-12.6	-12.0	-12.3	-11.8	-11.6					
4H	-8.4	-7.8	-8.2	-7.6	-7.4	-12.7	-12.1	-12.4	-11.9	-11.6					
6H	-8.5	-7.9	-8.2	-7.7	-7.5	-12.8	-12.2	-12.5	-12.0	-11.7					
8H	-8.6	-8.0	-8.3	-7.8	-7.5	-12.8	-12.3	-12.5	-12.0	-11.7					
12H	-8.6	-8.1	-8.3	-7.8	-7.5	-12.8	-12.3	-12.5	-12.1	-11.8					
4H 2H	-8.4	-7.8	-8.2	-7.6	-7.4	-12.7	-12.1	-12.4	-11.9	-11.6					
3H	-8.6	-8.1	-8.3	-7.8	-7.5	-12.8	-12.3	-12.5	-12.1	-11.8					
4H	-8.7	-8.2	-8.4	-7.9	-7.6	-12.9	-12.5	-12.6	-12.2	-11.9					
6H	-8.8	-8.4	-8.4	-8.0	-7.7	-13.0	-12.6	-12.7	-12.3	-11.9					
8H	-8.9	-8.5	-8.5	-8.1	-7.7	-13.1	-12.7	-12.7	-12.4	-12.0					
12H	-8.9	-8.5	-8.5	-8.2	-7.8	-13.2	-12.8	-12.7	-12.4	-12.0					
8H 4H	-8.9	-8.5	-8.5	-8.1	-7.7	-13.1	-12.7	-12.7	-12.4	-12.0					
6H	-9.0	-8.6	-8.5	-8.2	-7.8	-13.2	-12.9	-12.8	-12.5	-12.1					
8H	-9.0	-8.7	-8.6	-8.3	-7.9	-13.3	-13.0	-12.8	-12.6	-12.1					
12H	-9.1	-8.8	-8.6	-8.4	-7.9	-13.3	-13.1	-12.9	-12.6	-12.2					
12H 4H	-8.9	-8.5	-8.5	-8.2	-7.8	-13.2	-12.8	-12.7	-12.4	-12.0					
6H	-9.0	-8.7	-8.6	-8.3	-7.9	-13.3	-13.0	-12.8	-12.6	-12.1					
8H	-9.1	-8.8	-8.6	-8.4	-7.9	-13.3	-13.1	-12.9	-12.6	-12.2					
Variations with the observer position at spacings:															
S = 1.0H	+ 4.6 / - 1.\$					+ 2.9 / - 1.\$									
1.5H	+ 7.5 / - 1.\$					+ 5.7 / - 1.\$									
2.0H	+ 8.4 / - 1.\$					+ 0.0 / - 0.0									

CIE Pub.117 Corrected 65.13 lm Total Lamp Luminous Flux.(8log(F/F0) = -9.5)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-09

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-Ra90-12D-2w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

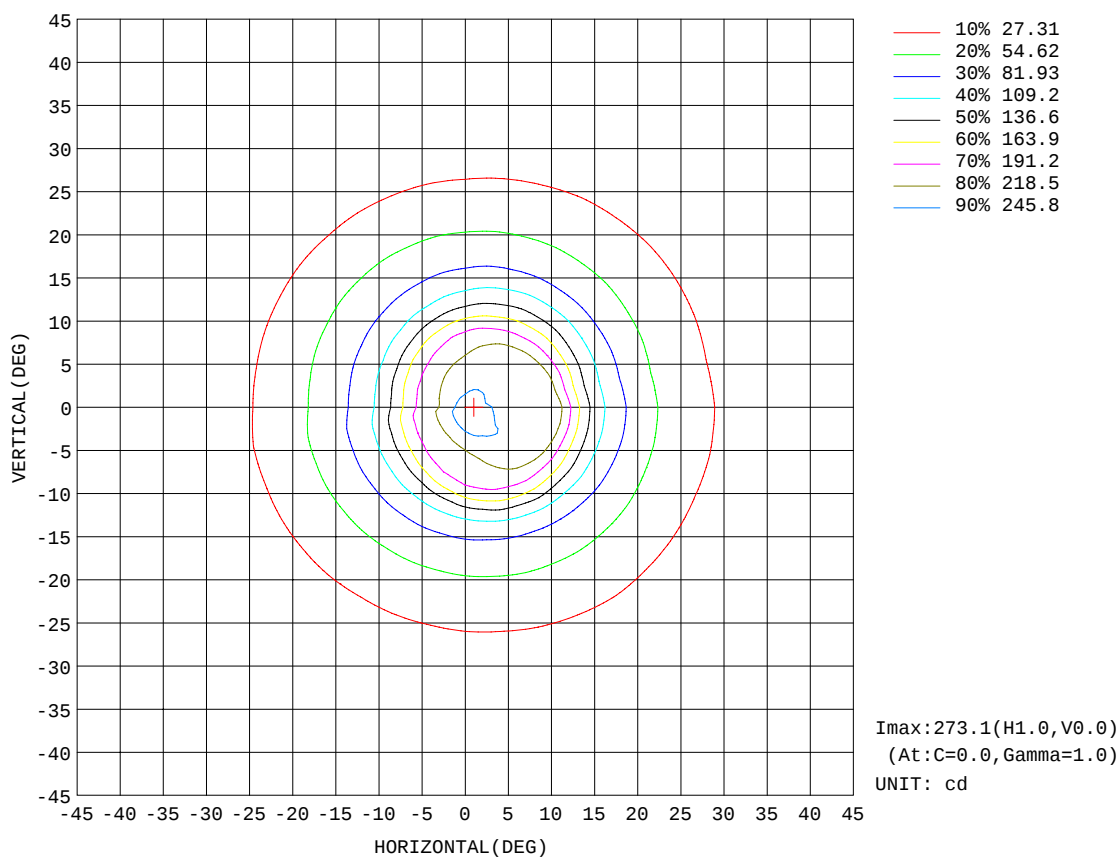
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	86	82	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	96	92	89	86
1.00	102	97	94	101	97	94	100	96	93	89
1.25	105	101	98	104	100	97	103	99	97	93
1.50	108	104	101	107	103	100	104	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	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	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: 0
Test Date: 2022-05-09

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-Ra90-12D-2w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

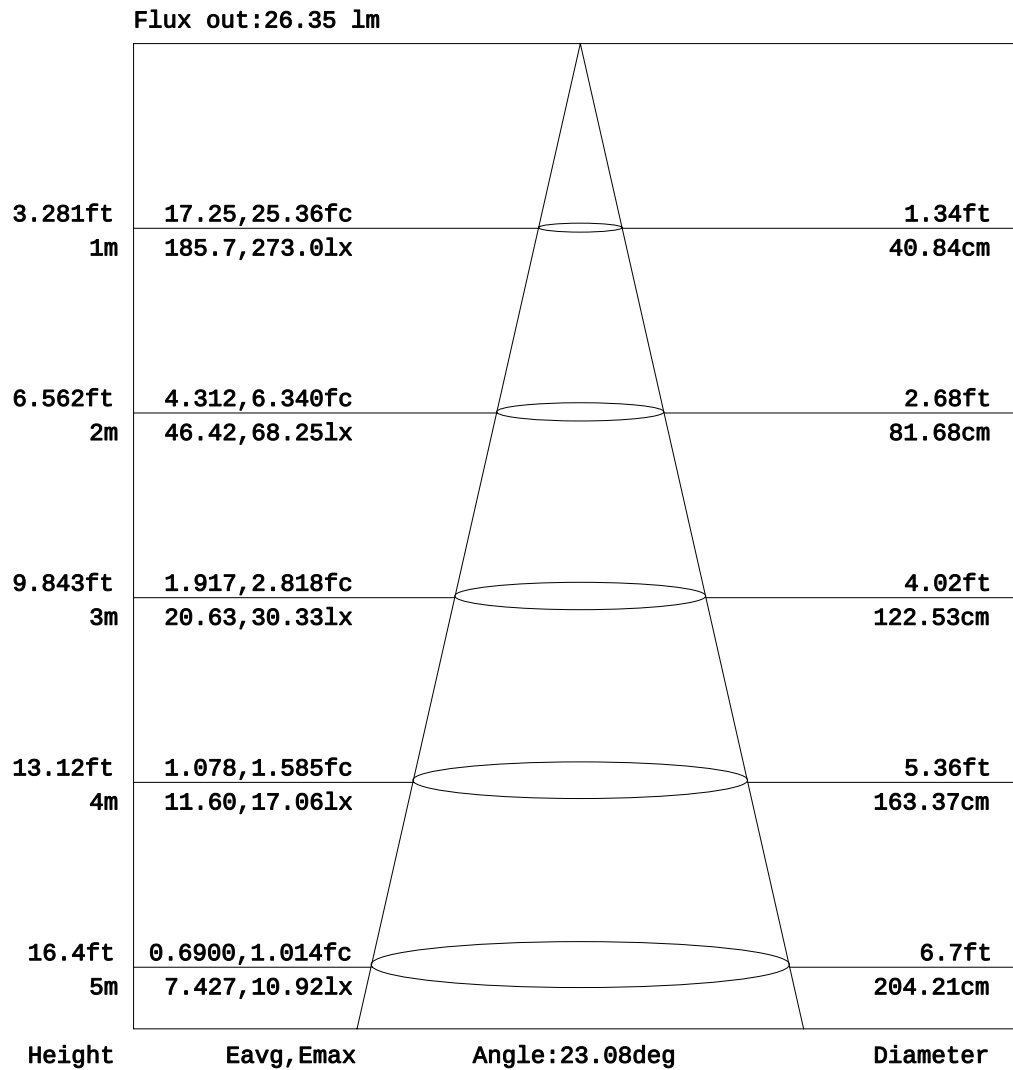


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-09

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-Ra90-12D-2w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



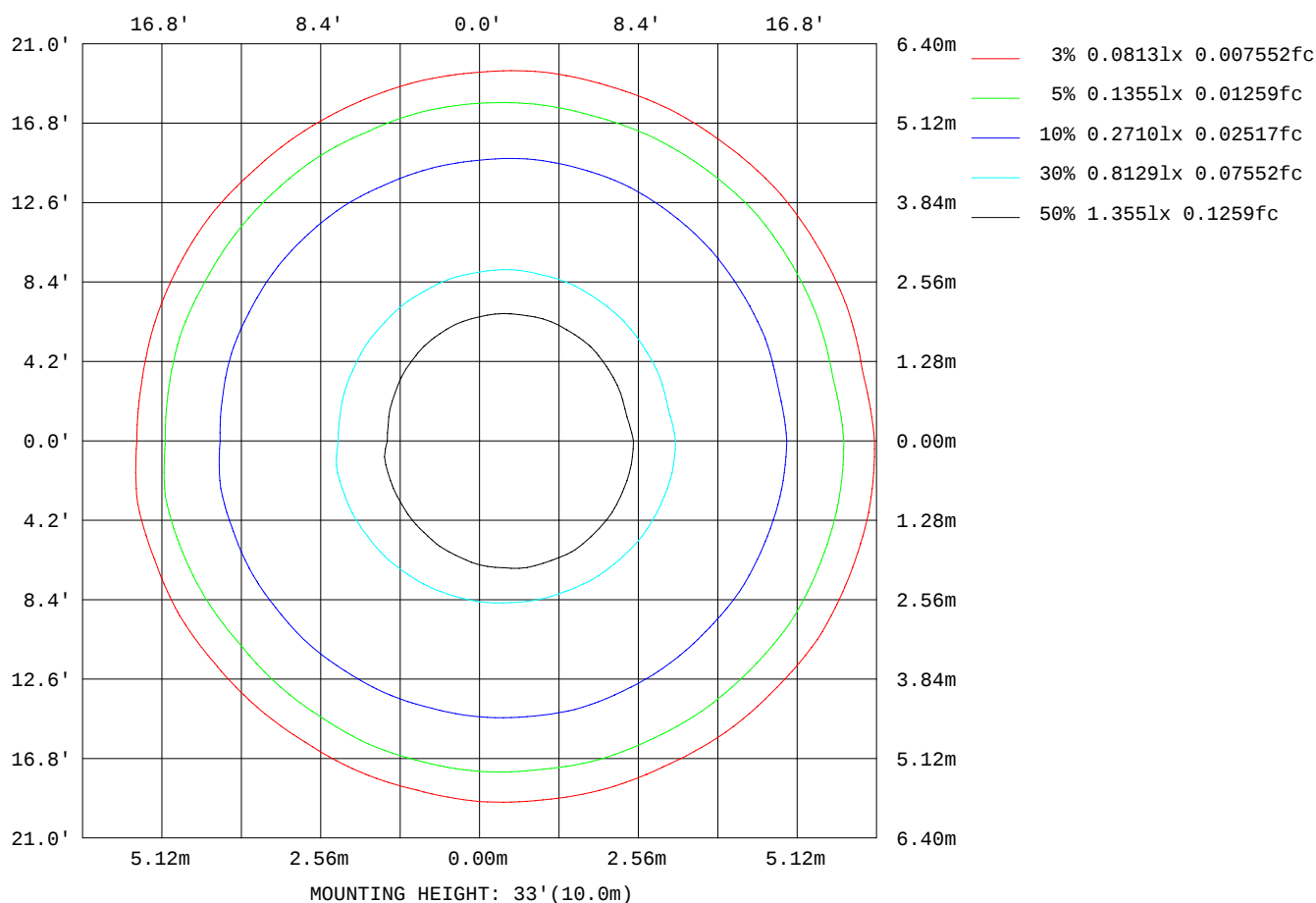
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-09

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-Ra90-12D-2w	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: 2022-05-09

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-Ra90-12D-2w	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	65.1301	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:0
Test Date:2022-05-09

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-Ra90-12D-2w	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	65.1301	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

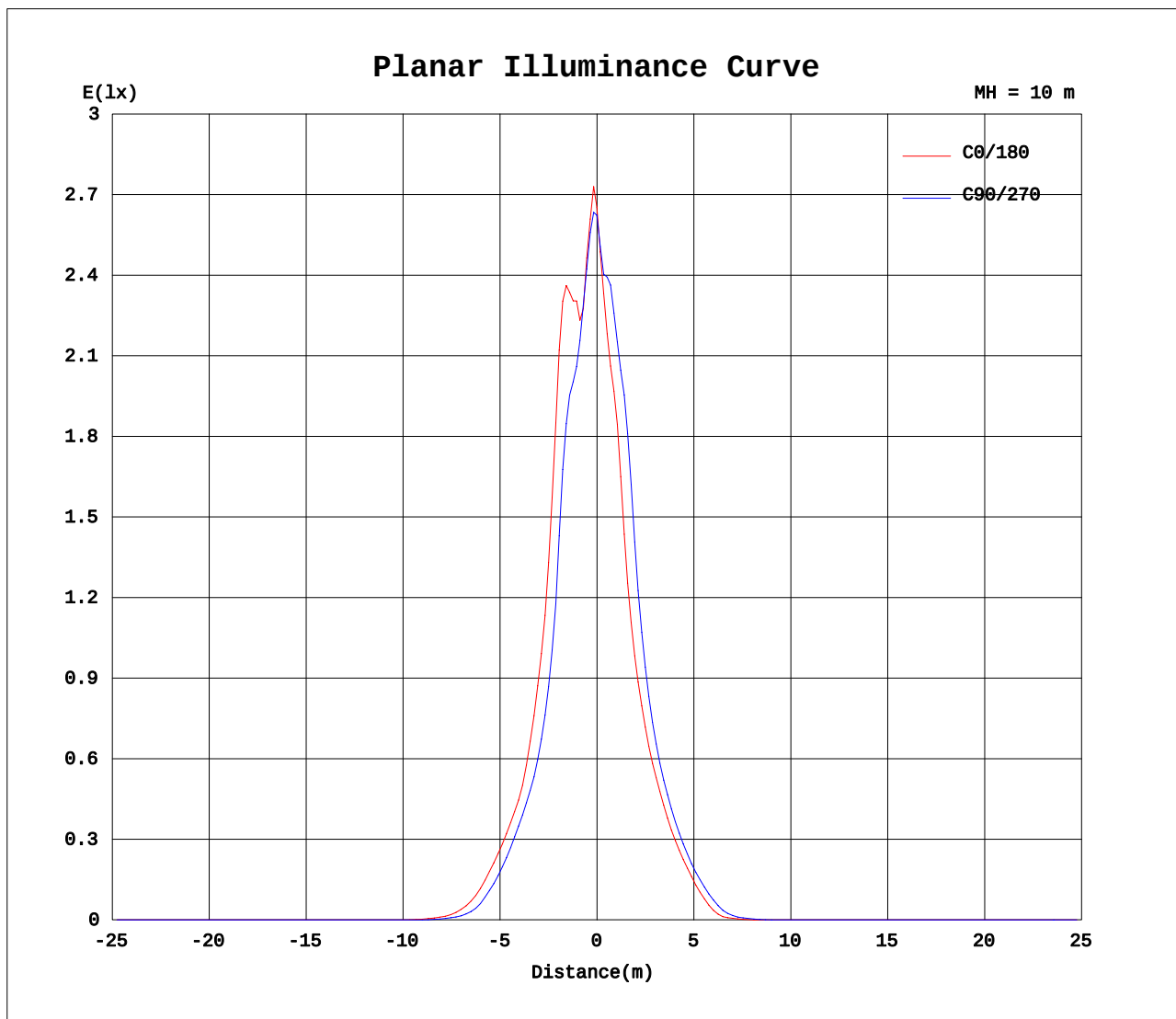
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:0
Test Date:2022-05-09

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: 2022-05-09

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-Ra90-12D-2w	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	265	264	264	263	263	262	263	262	262	262	263	263	264	264	265	265	265	266	265
5	226	233	242	244	245	241	238	232	225	218	212	209	207	206	204	204	203	203	199
10	241	240	234	227	216	208	199	194	185	176	161	149	137	132	126	124	122	122	116
15	126	125	121	118	112	106	98.6	93.0	87.5	84.7	81.0	79.2	77.1	76.0	74.4	74.3	73.6	74.2	71.7
20	69.5	68.5	66.0	64.2	61.7	59.9	57.7	56.1	54.1	52.5	50.6	49.4	48.0	47.4	46.9	47.0	47.0	47.5	45.7
25	43.2	42.8	41.3	40.4	38.8	37.5	36.0	34.9	32.7	31.2	29.6	28.4	27.1	27.0	26.4	26.4	26.3	27.1	25.9
30	22.8	22.6	21.9	21.4	19.8	18.3	16.4	15.5	14.0	13.1	11.5	10.8	10.1	9.87	9.38	9.62	9.48	9.79	8.44
35	7.22	7.17	6.77	6.52	5.84	5.33	4.56	3.98	3.34	2.85	2.37	2.15	1.95	1.80	1.68	1.56	1.48	1.37	1.14
40	1.68	1.77	1.83	1.78	1.64	1.49	1.35	1.01	0.67	0.49	0.49	0.56	0.63	0.55	0.53	0.39	0.22	0.05	0.00
45	0.02	0.01	0.20	0.39	0.47	0.39	0.20	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	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	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	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	0.03	0.00	0.04	0.00	0.03
155	0.00	0.04	0.00	0.05	0.00	0.06	0.01	0.06	0.02	0.08	0.03	0.09	0.04	0.10	0.05	0.10	0.06	0.11	0.11
160	0.06	0.11	0.07	0.12	0.08	0.13	0.08	0.13	0.09	0.15	0.11	0.16	0.11	0.17	0.13	0.17	0.13	0.17	0.18
165	0.13	0.18	0.14	0.18	0.15	0.19	0.15	0.21	0.16	0.21	0.17	0.22	0.18	0.22	0.18	0.23	0.18	0.24	0.23
170	0.20	0.24	0.20	0.23	0.20	0.23	0.20	0.25	0.20	0.23	0.20	0.22	0.21	0.23	0.21	0.23	0.21	0.24	0.24
175	0.22	0.24	0.22	0.24	0.23	0.23	0.23	0.25	0.22	0.24	0.22	0.23	0.22	0.23	0.23	0.24	0.22	0.24	0.25
180	0.24	0.25	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.24	0.24	0.23	0.24	0.23	0.24	0.24	0.24	0.25

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-09

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-Ra90-12D-2w	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	264	264	263	263	262	263	262	262	262	263	263	264	264	265	265	265	266		
5	199	200	202	205	208	213	218	223	229	235	239	239	237	234	234	232	231		
10	116	119	122	128	134	142	150	161	170	179	186	193	200	210	218	228	232		
15	72.1	73.6	74.8	77.1	78.8	81.5	84.3	88.5	92.4	97.9	102	108	112	117	118	120	119		
20	45.9	46.9	47.3	48.7	49.7	51.6	52.9	55.0	56.2	57.9	58.8	60.5	61.3	62.8	63.6	65.0	65.3		
25	25.8	26.3	26.8	27.6	28.2	29.7	30.4	31.7	33.0	35.1	36.6	38.4	39.3	40.4	41.0	41.7	41.4		
30	8.61	9.41	10.1	10.8	11.0	11.8	12.8	13.9	14.9	16.4	17.3	18.3	19.5	20.7	20.9	21.2	21.0		
35	1.15	1.21	1.29	1.36	1.50	1.70	1.96	2.51	3.01	3.77	4.49	5.32	5.87	6.40	6.50	6.66	6.41		
40	0.03	0.13	0.30	0.37	0.46	0.49	0.52	0.46	0.45	0.59	0.93	1.42	1.64	1.78	1.85	1.82	1.56		
45	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.40	0.46	0.41	0.12	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	0.00		
150	0.00	0.03	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		
155	0.06	0.10	0.05	0.09	0.04	0.08	0.02	0.07	0.02	0.05	0.00	0.05	0.00	0.04	0.00	0.03	0.00		
160	0.13	0.17	0.12	0.16	0.11	0.15	0.09	0.14	0.09	0.13	0.07	0.12	0.07	0.11	0.06	0.11	0.06		
165	0.18	0.22	0.17	0.21	0.16	0.20	0.15	0.19	0.15	0.19	0.14	0.18	0.13	0.17	0.13	0.17	0.13		
170	0.20	0.24	0.20	0.23	0.20	0.23	0.19	0.22	0.19	0.22	0.19	0.22	0.19	0.22	0.19	0.22	0.19		
175	0.24	0.24	0.22	0.24	0.21	0.23	0.21	0.23	0.21	0.23	0.21	0.23	0.22	0.23	0.21	0.23	0.22		
180	0.24	0.25	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-09

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: