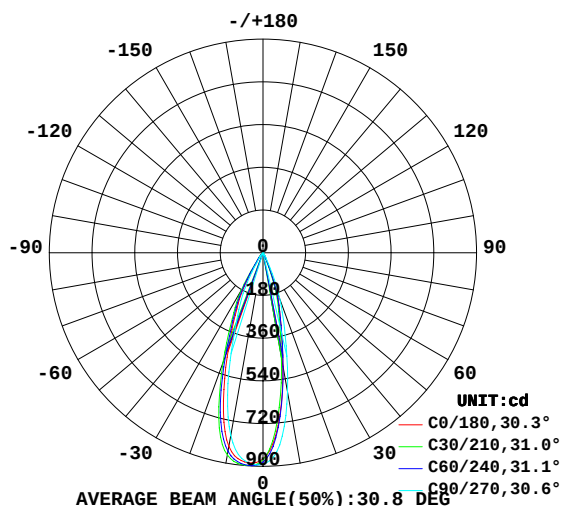


LUMINAIRE PHOTOMETRIC TEST REPORT

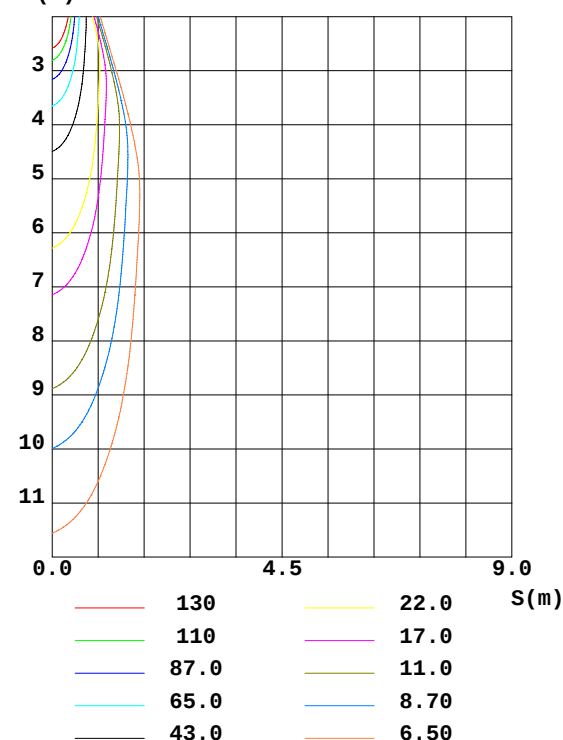
NAME:CL-Dot03-D9 3000K-RA90-4W-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.74 lm/W			
MODEL		I _{max} (cd)	899.8	S/MH(C0/180)	0.37
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	298.52	η UP, DN(C0-180)	0.2, 39.4
NOMINAL FLUX(lm)	298.524	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 60.2
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.7	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	484.9	459.7	596.4	749.5	828.6	862.4	781.5	657.7	0- 10	74.68	74.68	25,25
20	161.4	125.4	209.9	317.2	423.7	491.1	346.6	242.3	10- 20	129.9	204.6	68.5,68.5
30	19.14	15.48	27.02	52.36	131.8	180.7	93.85	33.63	20- 30	72.49	277.1	92.8,92.8
40	0.3989	0.5287	0.7483	8.743	22.93	27.94	13.44	4.063	30- 40	17.54	294.6	98.7,98.7
50	0.0001	0	0	0.2506	0.7819	2.044	0.7274	0.3138	40- 50	2.624	297.3	99.6,99.6
60	0	0	0	0.0119	0.2781	0.4671	0.3778	0.0756	50- 60	0.2249	297.5	99.7,99.7
70	0	0	0	0	0	0.1320	0	0	60- 70	0.0708	297.6	99.7,99.7
80	0	0	0	0	0	0	0	0	70- 80	0.0009	297.6	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	0	297.6	99.7,99.7
100	0	0	0	0	0	0	0	0	90-100	0	297.6	99.7,99.7
110	0	0	0	0	0	0	0	0	100-110	0	297.6	99.7,99.7
120	0	0	0	0	0	0	0	0	110-120	0	297.6	99.7,99.7
130	0	0	0	0	0	0	0	0	120-130	0	297.6	99.7,99.7
140	0.1506	0.2359	0.1277	0.0142	0	0	0	0.0591	130-140	0.0139	297.6	99.7,99.7
150	0.6554	0.7692	0.5857	0.3563	0.2222	0.1512	0.2639	0.4721	140-150	0.1369	297.7	99.7,99.7
160	1.198	1.331	1.176	0.9367	0.7367	0.6537	0.8112	1.027	150-160	0.3189	298.0	99.8,99.8
170	1.515	1.607	1.572	1.432	1.270	1.213	1.321	1.463	160-170	0.3402	298.4	100,100
180	1.600	1.619	1.642	1.649	1.581	1.590	1.623	1.649	170-180	0.1448	298.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

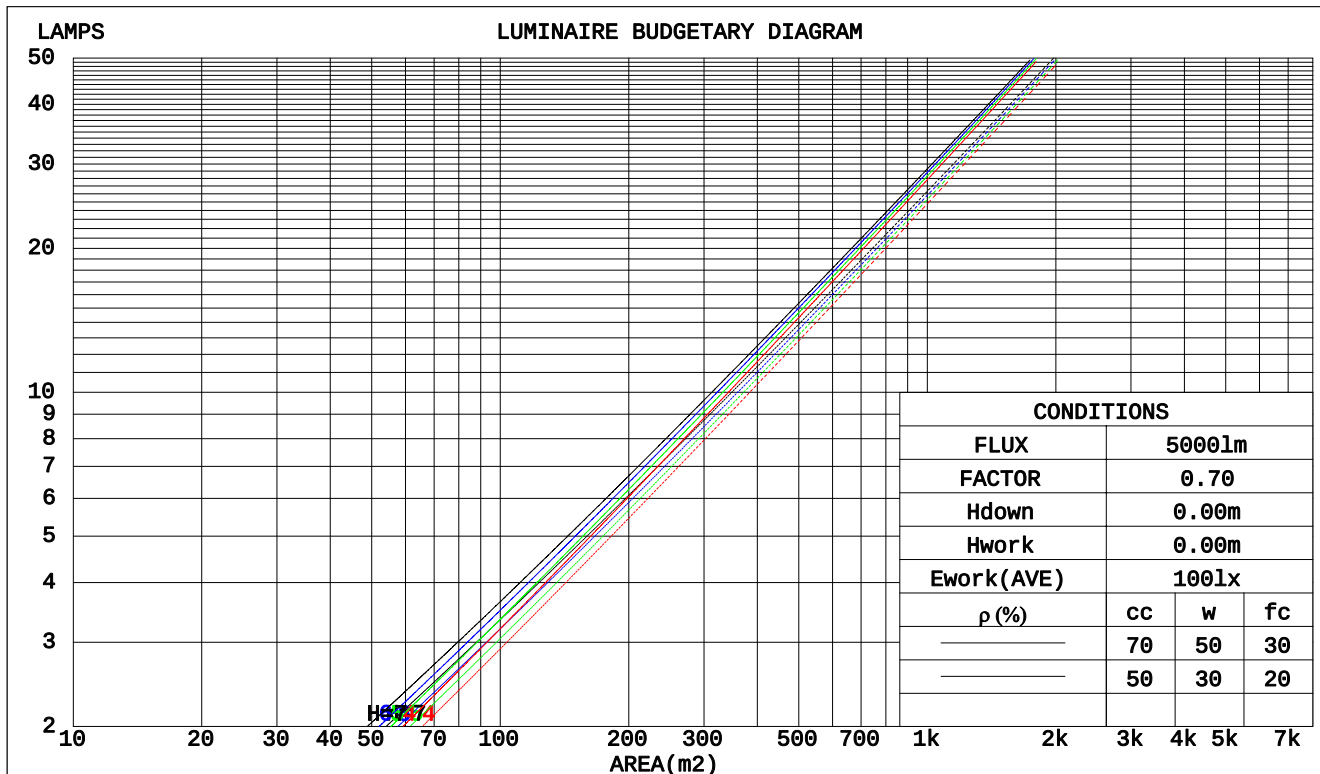
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-20

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: Dot03-D9-3000K-RA90-4W-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	.94	.97	.94	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.87	.86	.84
5.0	.93	.88	.85	.92	.87	.84	.90	.86	.84	.88	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.85	.82	.79	.84	.81	.79	.78
7.0	.85	.81	.77	.85	.80	.77	.83	.80	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.77	.74	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
9.0	.79	.75	.71	.79	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.71	.70
10.0	.76	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.74	.71	.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: Dot03-D9-3000K-RA90-4W-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						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	.131	.072	.022	.121	.067	.021	.111	.062	.020	.102	.058	.018		
3.0	.129	.069	.021	.124	.066	.020	.115	.062	.019	.107	.059	.018	.100	.055	.017		
4.0	.121	.063	.019	.118	.061	.018	.110	.058	.017	.103	.055	.017	.097	.052	.016		
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015		
6.0	.109	.055	.016	.107	.054	.015	.101	.052	.015	.096	.050	.015	.091	.048	.014		
7.0	.104	.052	.015	.102	.051	.014	.097	.049	.014	.092	.047	.014	.088	.046	.013		
8.0	.100	.049	.014	.098	.048	.014	.093	.047	.013	.089	.045	.013	.085	.044	.013		
9.0	.096	.046	.013	.094	.046	.013	.090	.044	.013	.086	.043	.012	.083	.042	.012		
10.0	.092	.044	.012	.090	.044	.012	.087	.043	.012	.084	.041	.012	.080	.040	.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	.171	.160	.150	.147	.137	.129	.100	.094	.089	.058	.055	.052	.019	.018	.017	
2.0	.154	.135	.119	.132	.116	.103	.090	.080	.072	.052	.047	.042	.017	.015	.014	
3.0	.140	.116	.097	.120	.100	.084	.082	.069	.059	.048	.041	.035	.015	.013	.011	
4.0	.128	.101	.080	.110	.087	.069	.075	.061	.049	.044	.035	.029	.014	.012	.009	
5.0	.118	.089	.067	.101	.077	.058	.070	.053	.041	.040	.031	.024	.013	.010	.008	
6.0	.109	.079	.057	.094	.068	.049	.065	.048	.035	.038	.028	.021	.012	.009	.007	
7.0	.102	.071	.049	.088	.061	.042	.061	.043	.030	.035	.025	.018	.011	.008	.006	
8.0	.096	.064	.042	.083	.056	.037	.057	.039	.026	.033	.023	.016	.011	.008	.005	
9.0	.091	.059	.037	.078	.051	.032	.054	.036	.023	.032	.021	.014	.010	.007	.005	
10.0	.086	.054	.033	.074	.047	.029	.051	.033	.020	.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: Dot03-D9-3000K-RA90-4W-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	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	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	0.2	0.2	0.2	0.2	0.2
Room dimensions						Viewed crosswise					Viewed endwise				
x = 2H y = 2H						-17.2	-16.5	-17.0	-16.3	-16.1	-13.4	-12.7	-13.2	-12.6	-12.4
3H						-17.3	-16.7	-17.1	-16.5	-16.3	-13.6	-12.9	-13.3	-12.7	-12.5
4H						-17.4	-16.8	-17.2	-16.6	-16.4	-13.7	-13.0	-13.4	-12.8	-12.6
6H						-17.5	-16.9	-17.2	-16.7	-16.4	-13.8	-13.2	-13.5	-12.9	-12.7
8H						-17.6	-17.0	-17.3	-16.7	-16.5	-13.8	-13.2	-13.5	-13.0	-12.7
12H						-17.6	-17.0	-17.3	-16.8	-16.5	-13.9	-13.3	-13.5	-13.0	-12.8
4H 2H						-17.4	-16.8	-17.2	-16.6	-16.4	-13.7	-13.0	-13.4	-12.8	-12.6
3H						-17.6	-17.0	-17.3	-16.8	-16.5	-13.9	-13.3	-13.5	-13.0	-12.8
4H						-17.7	-17.2	-17.4	-16.9	-16.6	-13.9	-13.4	-13.6	-13.1	-12.8
6H						-17.8	-17.4	-17.4	-17.0	-16.7	-14.0	-13.6	-13.7	-13.3	-12.9
8H						-17.9	-17.4	-17.5	-17.1	-16.7	-14.1	-13.7	-13.7	-13.3	-13.0
12H						-17.9	-17.5	-17.5	-17.2	-16.8	-14.2	-13.8	-13.7	-13.4	-13.0
8H 4H						-17.9	-17.4	-17.5	-17.1	-16.7	-14.1	-13.7	-13.7	-13.3	-13.0
6H						-18.0	-17.6	-17.5	-17.2	-16.8	-14.2	-13.9	-13.8	-13.5	-13.1
8H						-18.0	-17.7	-17.6	-17.3	-16.9	-14.3	-14.0	-13.8	-13.5	-13.1
12H						-18.1	-17.8	-17.6	-17.4	-16.9	-14.3	-14.1	-13.9	-13.6	-13.2
12H 4H						-17.9	-17.5	-17.5	-17.2	-16.8	-14.2	-13.8	-13.7	-13.4	-13.0
6H						-18.0	-17.7	-17.6	-17.3	-16.9	-14.3	-14.0	-13.8	-13.5	-13.1
8H						-18.1	-17.8	-17.6	-17.4	-16.9	-14.3	-14.1	-13.9	-13.6	-13.2
Variations with the observer position at spacings:															
S = 1.0H						+ 5.4 / - 1.\$					+ 6.4 / - 1.\$				
1.5H						+ 8.2 / - 1.\$					+ 9.2 / - 1.\$				
2.0H						+11.3 / - 1.\$					+ 8.4 / - 1.\$				

CIE Pub.117 Corrected 298.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.2)

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: Dot03-D9-3000K-RA90-4W-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

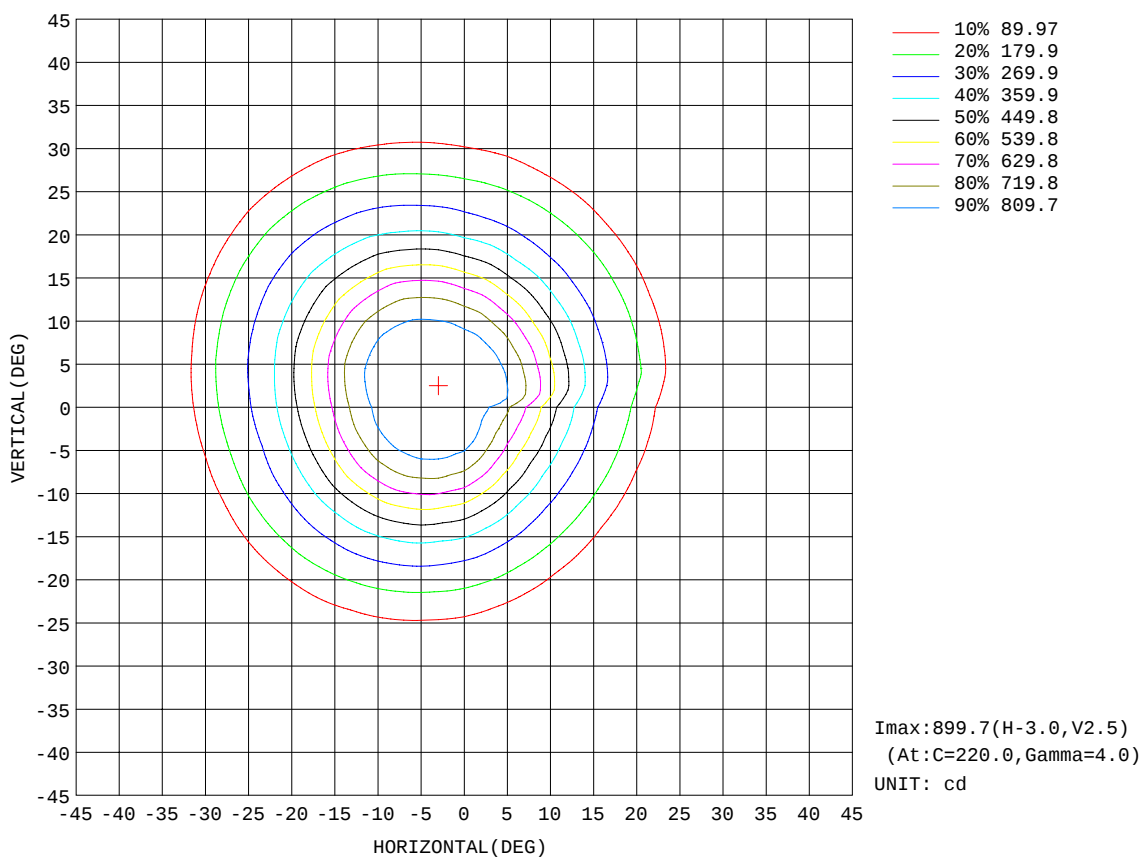
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	91	85	82	90	85	82	90	85	81	78
0.80	98	93	89	97	92	89	96	92	89	85
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	107	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	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: 2022-04-20

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: Dot03-D9-3000K-RA90-4W-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

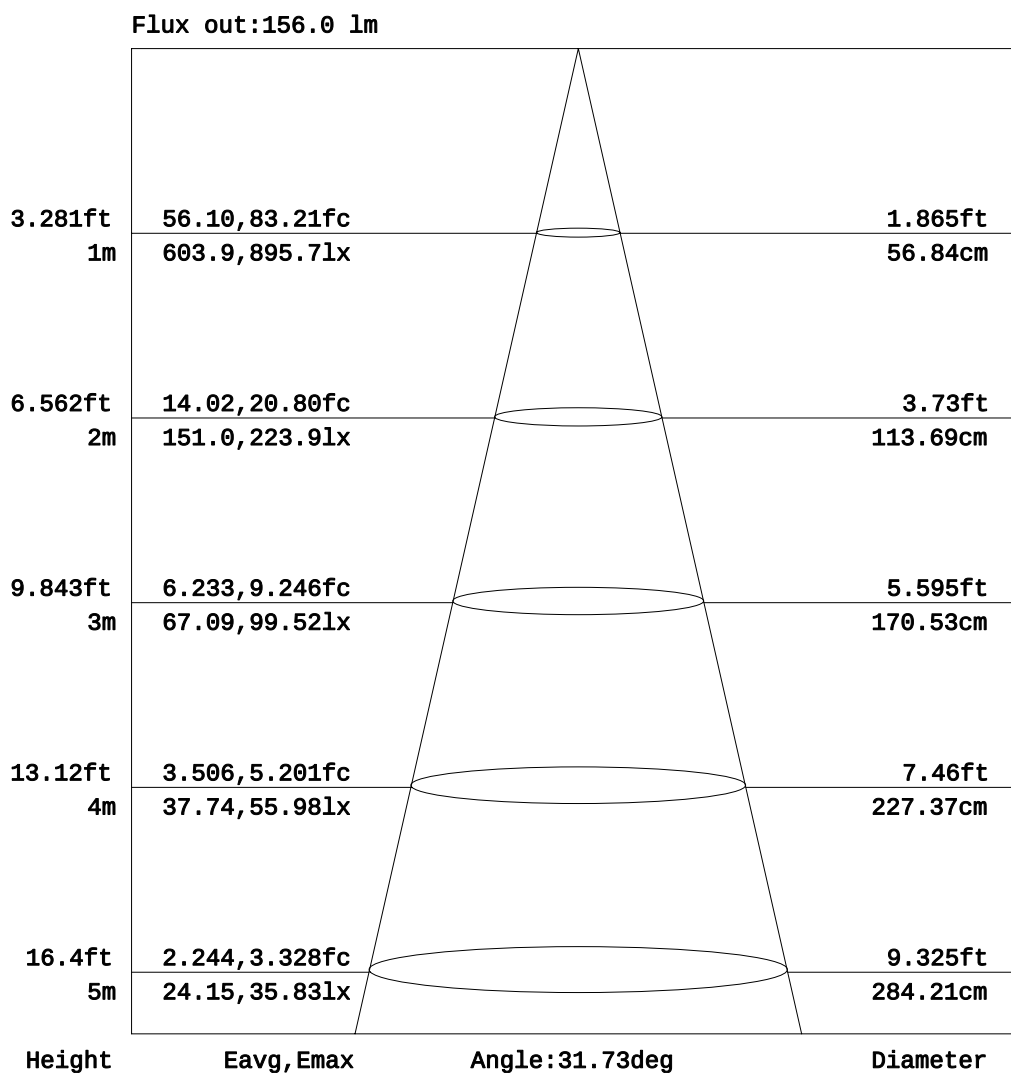


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-20

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: Dot03-D9-3000K-RA90-4W-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



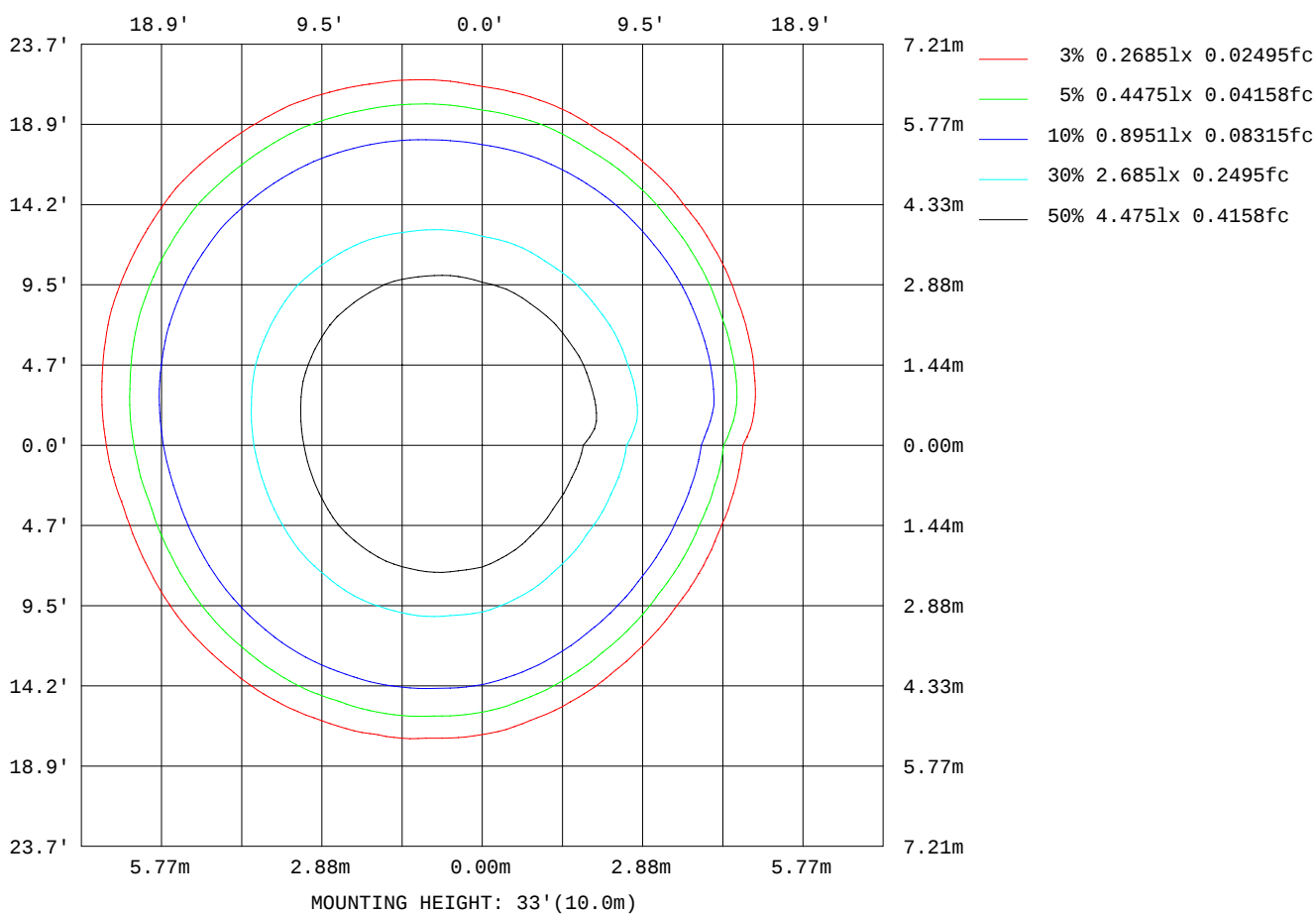
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: Dot03-D9-3000K-RA90-4W-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: Dot03-D9-3000K-RA90-4W-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	298.524	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	2	3	5	6	8
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
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	8	200	---	500
Category 2	65 to 90	4	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: Dot03-D9-3000K-RA90-4W-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	298.524	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	2	3	5	6	8
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
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	8	1000	1500	200	500
65 to 90	4	1000	1500	200	500

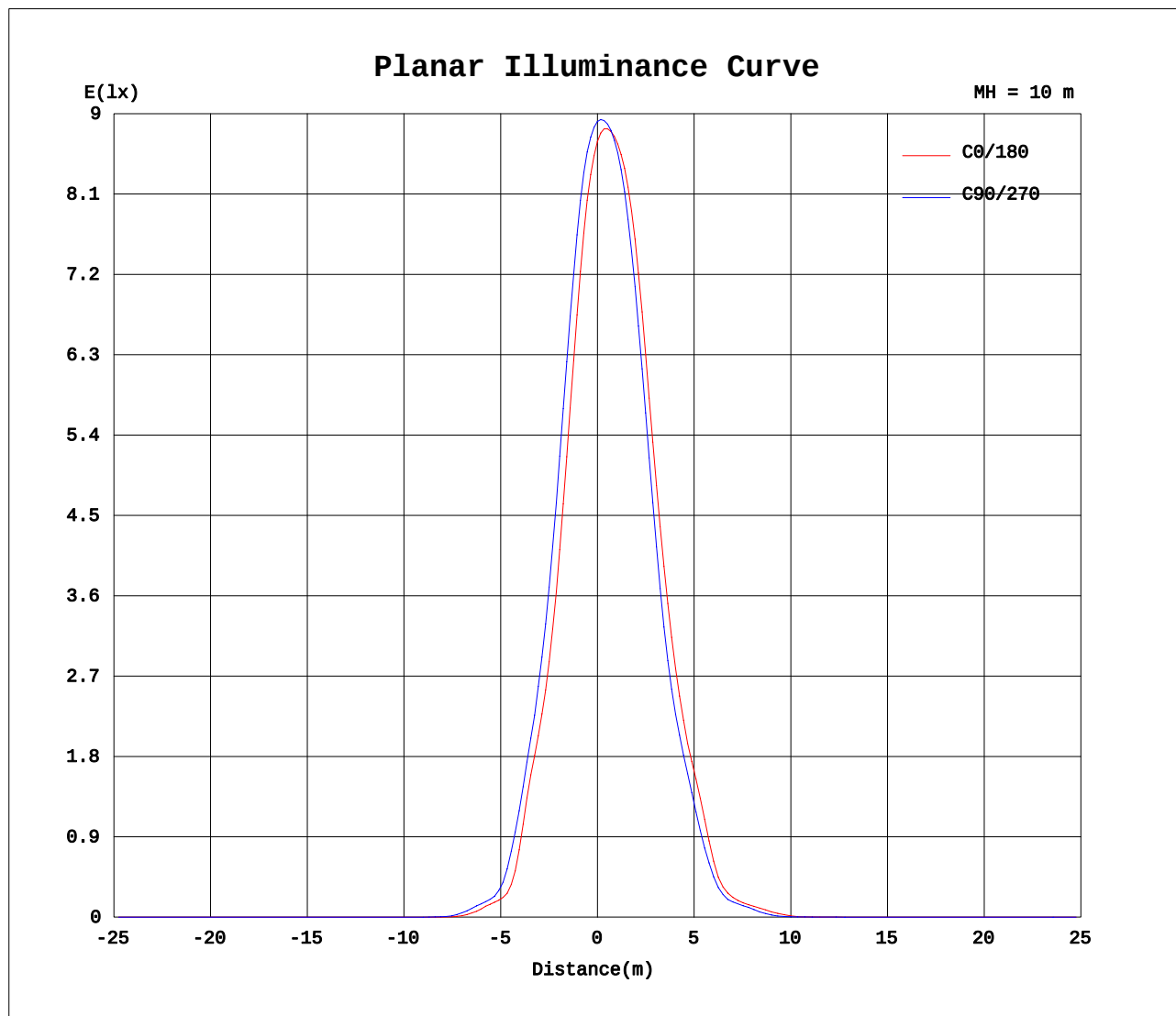
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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: Dot03-D9-3000K-RA90-4W-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	869	870	870	872	873	879	882	887	889	891	891	892	892	892	891	891	890	889	869
5	732	720	707	706	707	724	739	766	788	812	824	843	855	867	874	880	884	887	885
10	485	468	451	450	450	469	488	523	556	596	623	666	698	736	763	789	807	823	829
15	282	269	263	257	261	268	284	308	332	365	388	428	463	507	540	575	597	622	645
20	161	143	128	122	121	129	143	162	187	210	230	254	280	307	328	354	374	398	424
25	36.1	33.3	31.6	31.6	31.7	33.7	37.3	44.3	54.9	72.8	89.9	113	137	164	192	214	231	243	262
30	19.1	17.1	15.2	14.7	14.7	16.3	18.5	21.4	24.2	27.0	29.4	33.8	39.1	47.5	57.2	71.0	84.1	103	132
35	3.21	2.85	2.78	3.11	3.20	3.68	4.33	5.44	6.76	9.08	11.4	16.3	20.8	23.8	26.7	29.5	32.0	35.0	40.6
40	0.40	0.31	0.36	0.36	0.50	0.56	0.58	0.54	0.64	0.75	0.96	1.61	3.77	7.41	10.1	13.2	16.0	19.0	22.9
45	0.10	0.03	0.08	0.04	0.09	0.05	0.11	0.05	0.10	0.08	0.17	0.23	0.47	0.81	1.45	2.25	2.69	2.80	4.27
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.11	0.15	0.35	0.43	0.53	0.59	0.78
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	0.01	0.12	0.15	0.27	0.34	0.45
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	0.02	0.03	0.16	0.20	0.28
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	0.08	0.10	0.15
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	0.06	0.03	0.08	0.04	0.08	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.15	0.23	0.20	0.26	0.22	0.26	0.18	0.19	0.11	0.13	0.05	0.07	0.01	0.03	0.00	0.00	0.00	0.00	0.00
145	0.38	0.46	0.45	0.51	0.46	0.50	0.41	0.42	0.32	0.33	0.24	0.25	0.16	0.18	0.10	0.13	0.06	0.09	0.06
150	0.66	0.75	0.74	0.80	0.75	0.78	0.70	0.70	0.59	0.59	0.49	0.49	0.40	0.40	0.32	0.33	0.25	0.28	0.22
155	0.94	1.03	1.03	1.10	1.05	1.09	1.00	1.01	0.89	0.88	0.79	0.78	0.68	0.68	0.59	0.60	0.53	0.55	0.46
160	1.20	1.29	1.29	1.35	1.31	1.35	1.27	1.28	1.17	1.18	1.08	1.08	0.98	0.98	0.89	0.90	0.82	0.84	0.74
165	1.40	1.48	1.47	1.53	1.49	1.53	1.47	1.50	1.41	1.41	1.33	1.34	1.24	1.26	1.17	1.18	1.11	1.13	1.01
170	1.51	1.58	1.57	1.61	1.60	1.61	1.59	1.61	1.55	1.57	1.50	1.52	1.45	1.47	1.40	1.42	1.35	1.38	1.27
175	1.59	1.60	1.62	1.63	1.65	1.64	1.64	1.63	1.63	1.65	1.60	1.64	1.58	1.60	1.55	1.58	1.51	1.55	1.47
180	1.60	1.60	1.62	1.60	1.62	1.62	1.64	1.63	1.64	1.64	1.64	1.65	1.65	1.66	1.64	1.65	1.64	1.65	1.58

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: Dot03-D9-3000K-RA90-4W-34D.	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	870	870	872	873	879	882	887	889	891	891	892	892	892	891	891	890	889		
5	892	896	898	899	898	896	892	887	880	876	868	862	851	843	831	823	809		
10	848	862	866	866	859	850	829	809	781	762	729	703	670	646	617	598	572		
15	678	709	721	727	713	696	658	619	571	540	494	461	424	398	368	351	330		
20	452	482	493	500	482	463	421	385	347	324	293	269	251	234	221	209	199		
25	282	300	307	312	299	285	262	238	216	198	178	157	134	113	89.1	72.7	57.7		
30	158	176	186	186	175	158	136	114	93.8	78.5	56.6	44.3	35.8	31.5	28.6	26.3	23.8		
35	46.2	52.7	55.8	57.6	53.7	49.5	42.3	35.9	31.3	28.4	25.7	23.0	19.8	16.7	12.9	10.1	7.41		
40	25.1	27.1	28.0	28.5	27.4	25.9	23.0	19.6	13.4	10.6	7.90	6.35	4.66	3.47	2.20	1.22	0.79		
45	6.38	9.77	11.8	12.2	11.0	8.80	5.08	2.54	1.54	1.25	1.03	0.95	0.89	0.68	0.46	0.24	0.18		
50	1.03	1.28	1.69	2.18	1.91	1.37	0.97	0.73	0.73	0.56	0.51	0.40	0.40	0.23	0.18	0.06	0.05		
55	0.59	0.65	0.76	0.75	0.74	0.57	0.54	0.44	0.54	0.34	0.34	0.24	0.25	0.09	0.07	0.00	0.00		
60	0.43	0.44	0.53	0.48	0.46	0.35	0.38	0.32	0.38	0.23	0.24	0.13	0.15	0.00	0.00	0.00	0.00		
65	0.28	0.28	0.37	0.30	0.30	0.22	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
70	0.00	0.00	0.09	0.13	0.13	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	0.01	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	0.04	0.03	0.09	0.08	0.14	0.11		
145	0.00	0.03	0.00	0.02	0.00	0.04	0.02	0.09	0.07	0.14	0.13	0.21	0.20	0.27	0.26	0.34	0.31		
150	0.16	0.18	0.13	0.17	0.14	0.20	0.19	0.26	0.26	0.34	0.34	0.43	0.43	0.52	0.51	0.58	0.58		
155	0.39	0.41	0.34	0.38	0.37	0.43	0.43	0.51	0.52	0.60	0.62	0.70	0.71	0.80	0.79	0.86	0.86		
160	0.65	0.67	0.62	0.67	0.64	0.71	0.71	0.78	0.81	0.89	0.90	0.99	0.98	1.07	1.07	1.14	1.12		
165	0.94	0.95	0.91	0.95	0.93	1.00	1.00	1.08	1.08	1.16	1.16	1.25	1.24	1.32	1.30	1.37	1.35		
170	1.20	1.24	1.18	1.23	1.20	1.27	1.25	1.33	1.32	1.39	1.37	1.45	1.42	1.50	1.47	1.53	1.50		
175	1.42	1.46	1.40	1.45	1.42	1.48	1.46	1.52	1.50	1.55	1.53	1.60	1.57	1.63	1.60	1.65	1.61		
180	1.58	1.59	1.58	1.59	1.59	1.60	1.60	1.62	1.62	1.64	1.64	1.65	1.65	1.65	1.64	1.65	1.65		

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: