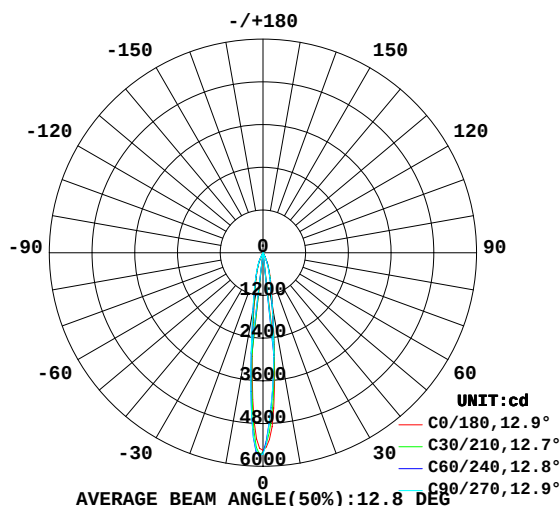


LUMINAIRE PHOTOMETRIC TEST REPORT

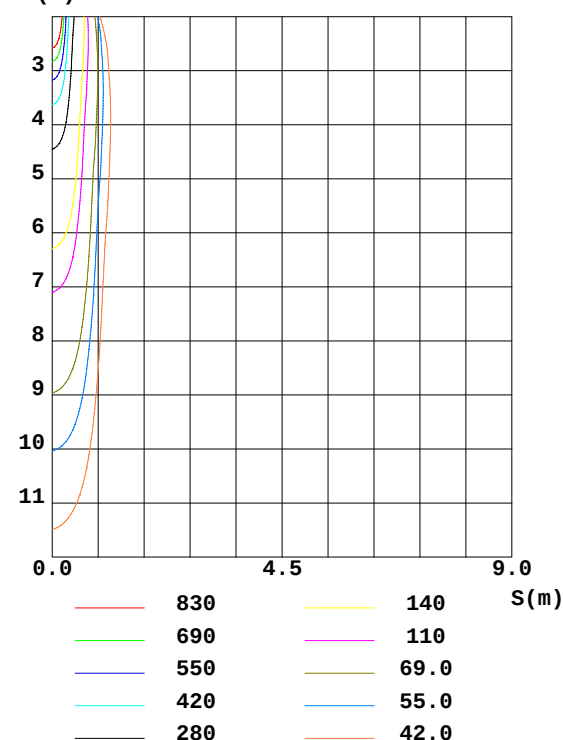
NAME: CL-Dot06 3000k-Ra90-12D-8W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.32 lm/W			
MODEL		I _{max} (cd)	5726	S/MH(C0/180)	0.23
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.22
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	599.05	η UP, DN(C0-180)	0.2, 48.0
NOMINAL FLUX(lm)	599.054	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 51.6
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:2022-04-19

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	1563	1474	1491	1479	1447	1545	1636	1590	0- 10	274.2	274.2	45.8, 45.8
20	472.1	435.7	413.5	417.9	420.2	454.2	474.8	479.5	10- 20	229.6	503.8	84.1, 84.1
30	25.67	19.38	14.21	15.78	12.56	17.52	15.25	24.00	20- 30	90.46	594.3	99.2, 99.2
40	0.6339	0.8662	0.6359	0.8639	0.4850	0.8140	0.5062	0.7314	30- 40	2.275	596.5	99.6, 99.6
50	0.0665	0.1537	0.0708	0.1395	0	0.0873	0.0475	0.0944	40- 50	0.2209	596.8	99.6, 99.6
60	0	0	0	0	0	0	0	0	50- 60	0.0135	596.8	99.6, 99.6
70	0	0	0	0	0	0	0	0	60- 70	0	596.8	99.6, 99.6
80	0	0	0	0	0	0	0	0	70- 80	0	596.8	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	0	596.8	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0	596.8	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	596.8	99.6, 99.6
120	0	0	0	0	0	0	0	0	110-120	0	596.8	99.6, 99.6
130	0	0	0	0	0	0	0	0	120-130	0	596.8	99.6, 99.6
140	0.0373	0.0802	0.1278	0.1061	0.1515	0.0968	0.0515	0.0779	130-140	0.0088	596.8	99.6, 99.6
150	0.7869	0.8895	0.9735	0.9344	0.9221	0.8333	0.7685	0.7885	140-150	0.2431	597.0	99.7, 99.7
160	2.650	2.751	2.819	2.782	2.649	2.513	2.439	2.471	150-160	0.7703	597.8	99.8, 99.8
170	3.746	3.733	3.729	3.766	3.748	3.624	3.544	3.584	160-170	0.9050	598.7	99.9, 99.9
180	3.860	3.775	3.775	3.804	3.832	3.766	3.756	3.775	170-180	0.3585	599.1	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

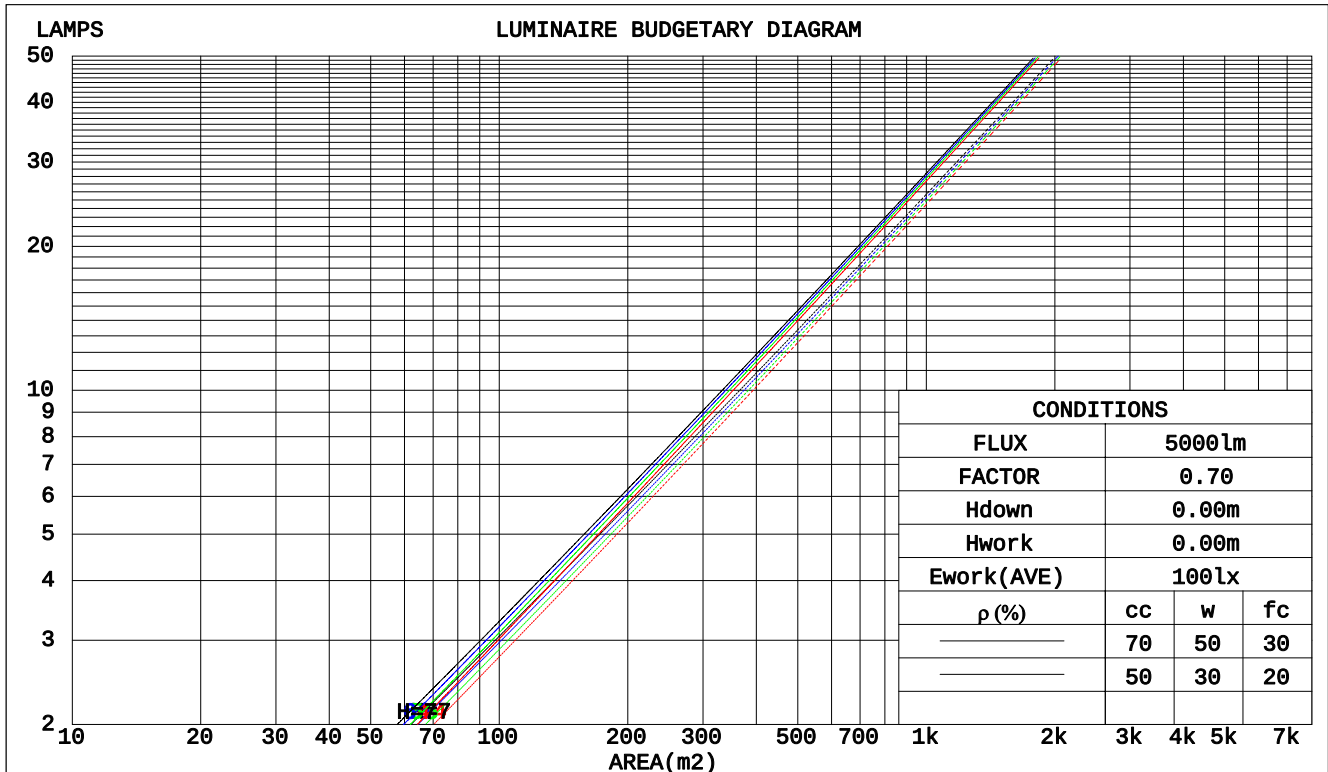
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	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	1.12	1.10	1.11	1.10	1.08	1.07	1.06	1.05	1.03	1.03	1.02	1.00	.99	.99	.97
2.0	1.09	1.06	1.04	1.07	1.04	1.02	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.95
3.0	1.05	1.01	.99	1.03	1.00	.98	1.01	.98	.96	.98	.96	.95	.96	.95	.93	.92
4.0	1.01	.97	.95	.99	.97	.94	.98	.95	.93	.96	.94	.92	.94	.93	.91	.90
5.0	.98	.94	.91	.97	.94	.91	.95	.93	.90	.94	.91	.90	.93	.90	.89	.88
6.0	.95	.91	.89	.94	.91	.88	.93	.90	.88	.92	.89	.87	.91	.88	.87	.86
7.0	.93	.89	.86	.92	.88	.86	.91	.88	.86	.90	.87	.85	.89	.87	.85	.84
8.0	.90	.87	.84	.90	.86	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.82
9.0	.88	.84	.82	.88	.84	.82	.87	.84	.82	.86	.83	.81	.85	.83	.81	.80
10.0	.86	.83	.80	.86	.82	.80	.85	.82	.80	.84	.82	.80	.84	.81	.79	.79



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	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	.127	.072	.023	.120	.069	.022	.108	.062	.020	.096	.055	.018	.086	.050	.016		
2.0	.117	.064	.020	.111	.061	.019	.101	.056	.017	.091	.051	.016	.082	.047	.015		
3.0	.108	.057	.017	.103	.055	.017	.095	.051	.016	.087	.048	.015	.079	.044	.014		
4.0	.101	.052	.015	.097	.051	.015	.089	.047	.014	.083	.044	.013	.077	.042	.013		
5.0	.094	.048	.014	.091	.047	.014	.085	.044	.013	.079	.042	.012	.074	.039	.012		
6.0	.089	.045	.013	.086	.043	.013	.081	.041	.012	.076	.039	.012	.071	.038	.011		
7.0	.084	.042	.012	.082	.041	.012	.077	.039	.011	.073	.037	.011	.069	.036	.011		
8.0	.080	.039	.011	.078	.038	.011	.074	.037	.011	.070	.036	.010	.067	.034	.010		
9.0	.076	.037	.010	.074	.036	.010	.071	.035	.010	.068	.034	.010	.065	.033	.009		
10.0	.073	.035	.010	.071	.034	.010	.068	.033	.009	.065	.032	.009	.063	.031	.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	.152	.146	.138	.131	.100	.095	.090	.057	.055	.053	.018	.018	.017		
2.0	.152	.136	.122	.130	.117	.106	.089	.081	.074	.051	.047	.043	.016	.015	.014		
3.0	.136	.116	.100	.117	.100	.087	.080	.070	.061	.046	.041	.036	.015	.013	.012		
4.0	.123	.101	.083	.106	.087	.072	.073	.061	.051	.042	.036	.030	.014	.012	.010		
5.0	.112	.088	.070	.096	.076	.061	.066	.053	.043	.038	.031	.026	.012	.010	.008		
6.0	.103	.078	.060	.089	.068	.052	.061	.047	.037	.035	.028	.022	.011	.009	.007		
7.0	.095	.070	.052	.082	.060	.045	.057	.042	.032	.033	.025	.019	.011	.008	.006		
8.0	.088	.063	.045	.076	.054	.039	.053	.038	.028	.031	.023	.017	.010	.007	.006		
9.0	.083	.057	.040	.071	.049	.035	.049	.035	.025	.029	.021	.015	.009	.007	.005		
10.0	.078	.052	.035	.067	.045	.031	.046	.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: 2022-04-19

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:

Uncorrected UGR Table

NAME: 5010293012 OLD(8W-3000K-12D-90RA)					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					-23.0	-22.4	-22.8	-22.3	-22.1	-22.7	-22.1	-22.5	-22.0	-21.8
3H					-23.1	-22.6	-22.9	-22.4	-22.2	-22.8	-22.3	-22.6	-22.1	-21.9
4H					-23.2	-22.7	-22.9	-22.5	-22.3	-22.9	-22.4	-22.6	-22.2	-22.0
6H					-23.3	-22.8	-23.0	-22.6	-22.3	-23.0	-22.5	-22.7	-22.3	-22.0
8H					-23.3	-22.9	-23.0	-22.6	-22.4	-23.0	-22.6	-22.7	-22.3	-22.1
12H					-23.4	-22.9	-23.1	-22.7	-22.4	-23.1	-22.6	-22.8	-22.4	-22.1
4H 2H					-23.2	-22.7	-22.9	-22.5	-22.3	-22.9	-22.4	-22.6	-22.2	-22.0
3H					-23.4	-22.9	-23.1	-22.7	-22.4	-23.1	-22.6	-22.8	-22.4	-22.1
4H					-23.5	-23.1	-23.1	-22.8	-22.5	-23.2	-22.8	-22.8	-22.5	-22.2
6H					-23.6	-23.2	-23.2	-22.9	-22.5	-23.3	-22.9	-22.9	-22.6	-22.2
8H					-23.6	-23.3	-23.2	-22.9	-22.6	-23.3	-23.0	-22.9	-22.6	-22.3
12H					-23.7	-23.4	-23.3	-23.0	-22.6	-23.4	-23.1	-23.0	-22.7	-22.3
8H 4H					-23.6	-23.3	-23.2	-22.9	-22.6	-23.3	-23.0	-22.9	-22.6	-22.3
6H					-23.8	-23.5	-23.3	-23.1	-22.6	-23.5	-23.2	-23.0	-22.8	-22.3
8H					-23.8	-23.6	-23.4	-23.1	-22.7	-23.5	-23.3	-23.1	-22.8	-22.4
12H					-23.9	-23.7	-23.4	-23.2	-22.7	-23.6	-23.4	-23.1	-22.9	-22.4
12H 4H					-23.7	-23.4	-23.3	-23.0	-22.6	-23.4	-23.1	-23.0	-22.7	-22.3
6H					-23.8	-23.6	-23.4	-23.1	-22.7	-23.5	-23.3	-23.1	-22.8	-22.4
8H					-23.9	-23.7	-23.4	-23.2	-22.7	-23.6	-23.4	-23.1	-22.9	-22.4
Variations with the observer position at spacings:														
S = 1.0H					+ 3.4 / - 1.\$					+ 3.8 / - 1.\$				
1.5H					+ 5.7 / - 57.4					+ 6.2 / - 1.\$				
2.0H					+ 7.7 / - 1.\$					+ 6.5 / - 1.\$				

CIE Pub.117 Corrected 599.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.8)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

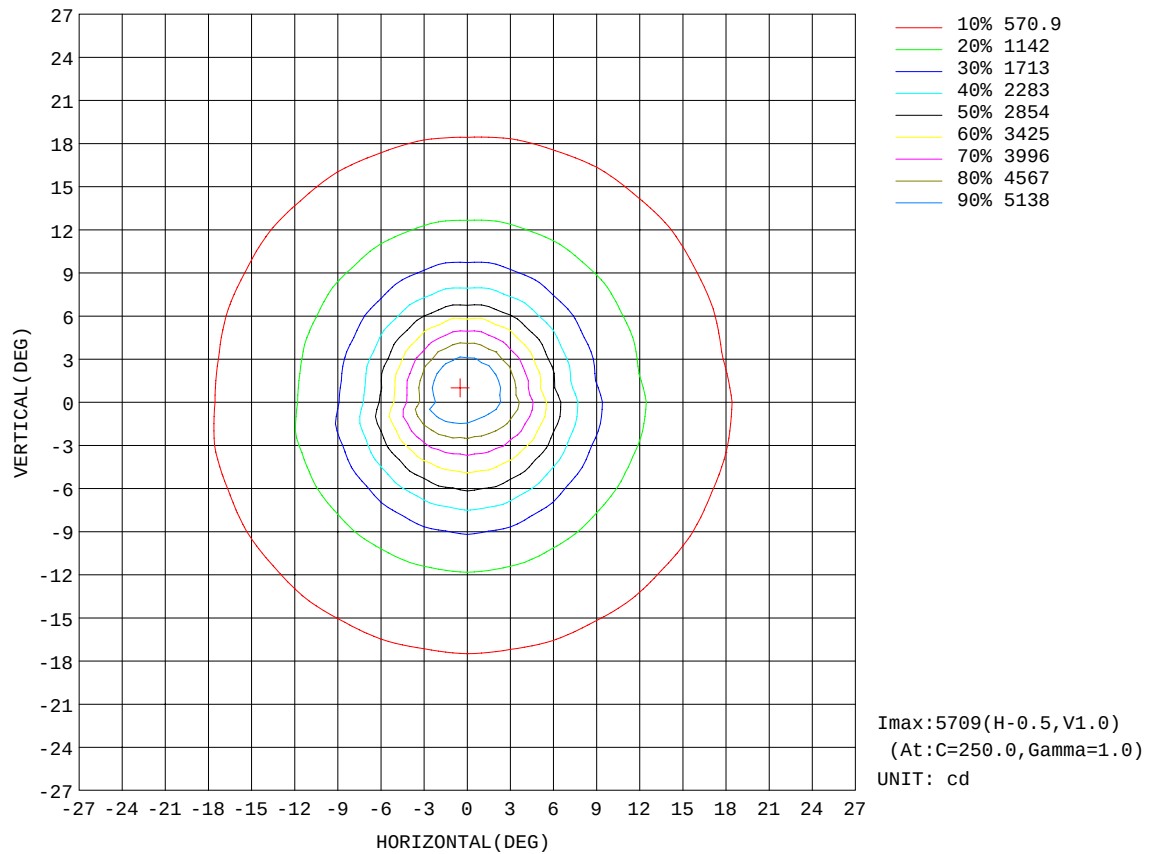
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	86	82	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	96	92	89	86
1.00	102	97	94	101	96	93	100	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	108	105	104	98
4.00	115	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

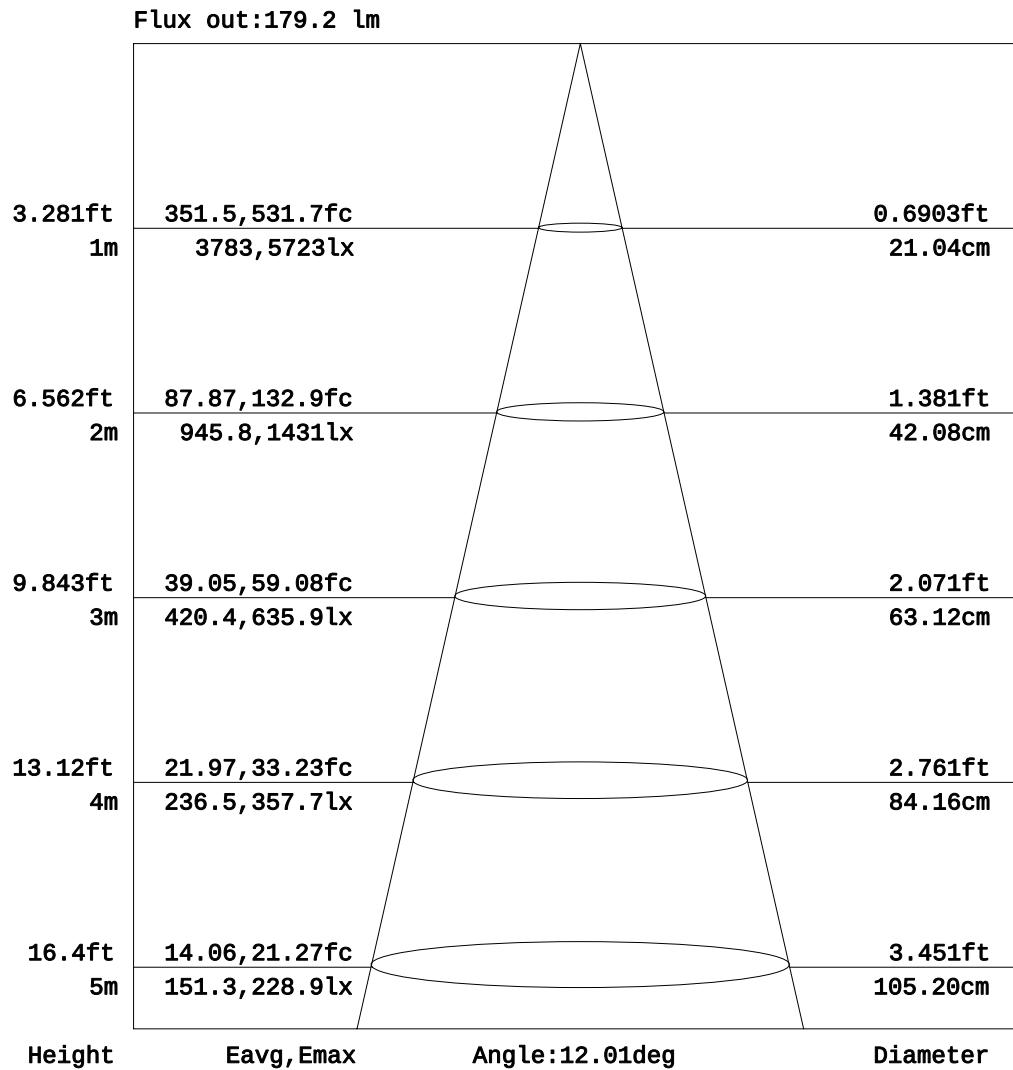


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



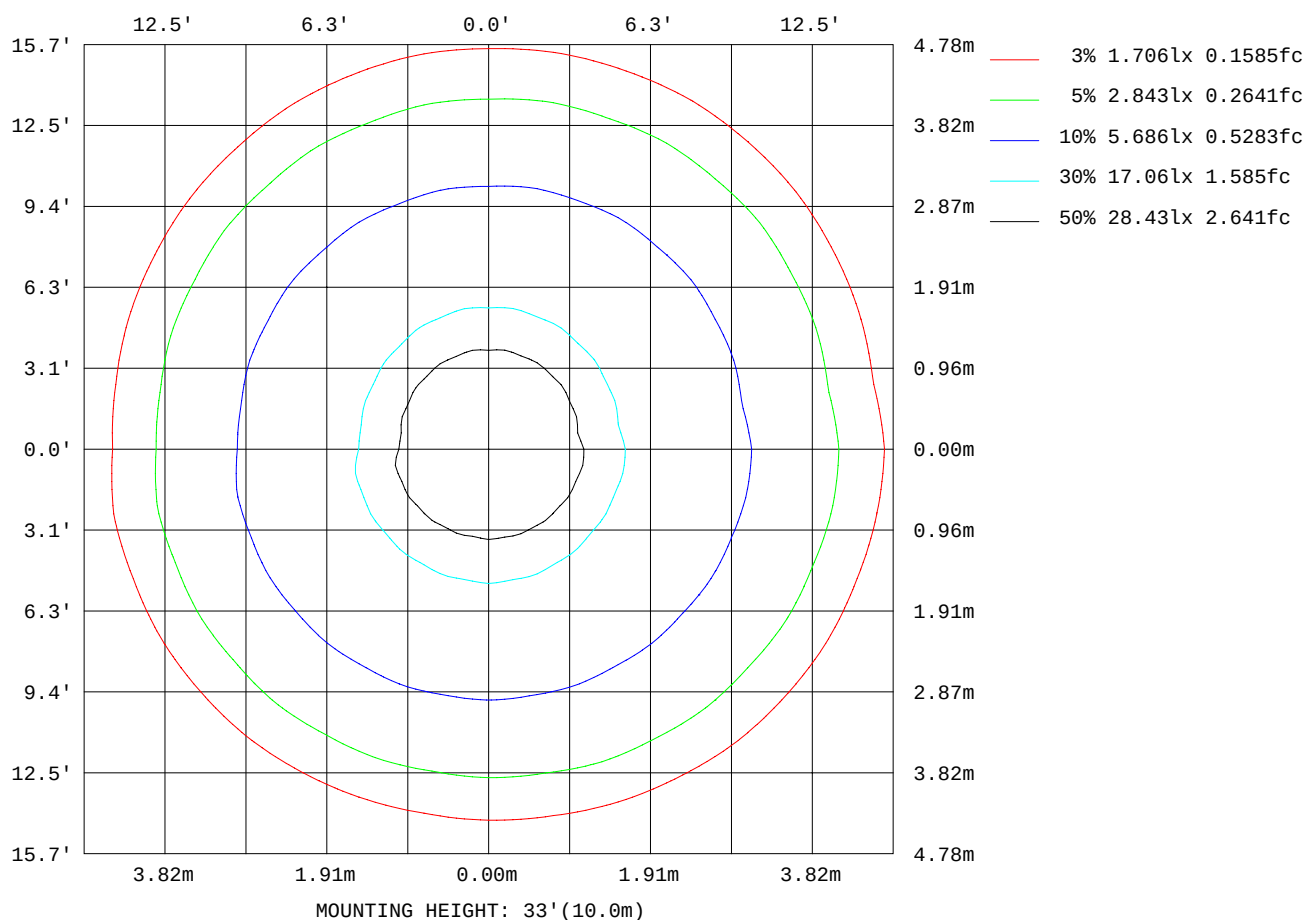
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	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: 2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	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	599.054	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	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	1	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:2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	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	599.054	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	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	1	1000	1500	200	500
65 to 90	0	1000	1500	200	500

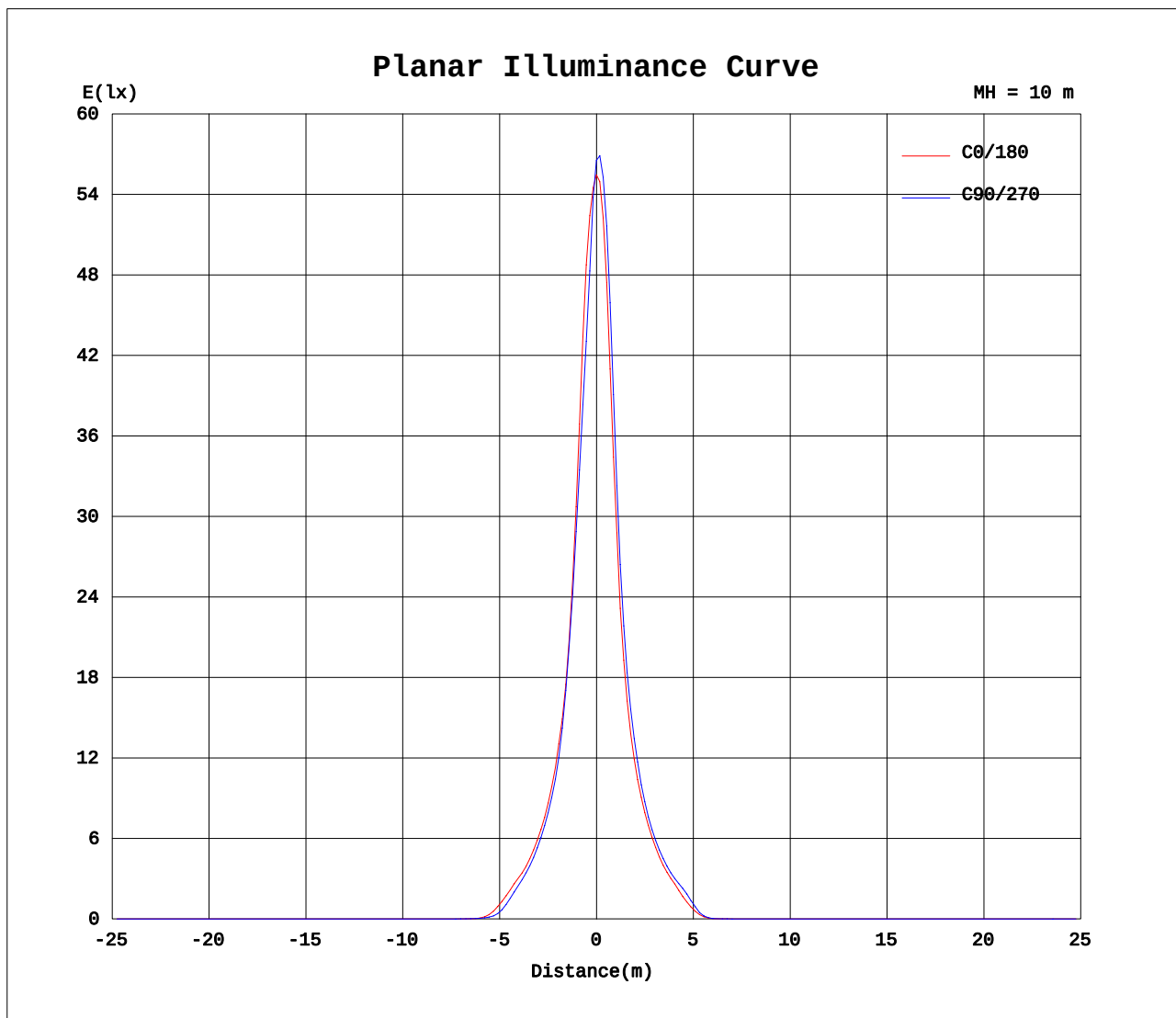
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:2022-04-19

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: 2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	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	5546	5568	5575	5604	5602	5631	5624	5649	5639	5655	5644	5653	5643	5644	5637	5630	5627	5615	5546
5	3732	3712	3579	3574	3458	3468	3381	3411	3348	3387	3338	3402	3388	3488	3488	3609	3614	3752	3484
10	1563	1554	1497	1500	1461	1486	1458	1491	1464	1491	1461	1484	1454	1487	1471	1507	1491	1533	1447
15	842	834	810	803	783	782	767	773	764	773	765	777	771	783	777	791	788	804	774
20	472	467	454	451	437	434	423	422	412	414	407	413	410	418	417	426	425	435	420
25	233	225	215	211	200	190	173	163	150	147	144	147	153	165	169	176	177	185	171
30	25.7	24.8	22.3	22.8	19.9	18.9	16.2	15.5	14.0	14.2	13.8	14.8	14.7	15.9	15.6	16.4	15.3	16.8	12.6
35	1.95	2.08	2.06	2.36	2.49	2.70	2.63	2.57	2.33	2.44	2.48	2.77	2.79	2.87	2.61	2.57	2.32	2.25	1.82
40	0.63	0.62	0.71	0.79	0.87	0.86	0.88	0.72	0.69	0.64	0.69	0.71	0.83	0.83	0.89	0.78	0.66	0.55	0.48
45	0.26	0.21	0.27	0.26	0.39	0.38	0.36	0.26	0.27	0.22	0.27	0.23	0.33	0.36	0.41	0.27	0.24	0.17	0.15
50	0.07	0.02	0.09	0.08	0.15	0.16	0.13	0.11	0.09	0.07	0.07	0.08	0.12	0.15	0.13	0.05	0.05	0.00	0.00
55	0.00	0.00	0.00	0.00	0.03	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	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	0.04	0.08	0.05	0.09	0.06	0.10	0.07	0.12	0.08	0.13	0.09	0.13	0.09	0.13	0.08	0.12	0.07	0.11	0.15
145	0.30	0.35	0.32	0.37	0.34	0.40	0.37	0.42	0.38	0.43	0.39	0.43	0.39	0.43	0.38	0.41	0.36	0.39	0.43
150	0.79	0.84	0.82	0.87	0.86	0.92	0.90	0.95	0.94	0.97	0.95	0.97	0.93	0.95	0.91	0.93	0.88	0.89	0.92
155	1.66	1.71	1.72	1.77	1.78	1.81	1.82	1.85	1.86	1.88	1.87	1.88	1.86	1.86	1.82	1.82	1.77	1.76	1.75
160	2.65	2.71	2.70	2.74	2.73	2.77	2.76	2.80	2.77	2.82	2.79	2.81	2.79	2.80	2.76	2.78	2.74	2.74	2.65
165	3.33	3.38	3.35	3.40	3.37	3.41	3.38	3.42	3.39	3.44	3.40	3.44	3.40	3.43	3.40	3.43	3.39	3.42	3.34
170	3.75	3.79	3.74	3.79	3.74	3.73	3.71	3.76	3.71	3.73	3.72	3.77	3.73	3.79	3.75	3.80	3.75	3.80	3.75
175	3.88	3.86	3.86	3.83	3.83	3.78	3.78	3.77	3.78	3.78	3.79	3.79	3.81	3.81	3.84	3.83	3.87	3.88	3.81
180	3.86	3.86	3.83	3.81	3.78	3.78	3.78	3.78	3.78	3.78	3.79	3.79	3.80	3.79	3.81	3.81	3.84	3.84	3.83

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-19

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: 5010293012 OLD(8W-3000K-12D-90RA)	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	5568	5575	5604	5602	5631	5624	5649	5639	5655	5644	5653	5643	5644	5637	5630	5627	5615		
5	3482	3622	3625	3769	3778	3911	3897	4009	3954	4005	3906	3933	3820	3823	3689	3673	3524		
10	1440	1484	1485	1541	1550	1613	1613	1661	1636	1663	1624	1637	1588	1593	1541	1541	1483		
15	774	794	796	818	817	838	834	852	846	860	849	860	846	852	832	831	806		
20	421	435	438	453	455	469	468	479	475	483	479	485	479	480	468	466	451		
25	178	191	201	214	222	237	243	250	251	256	257	260	255	250	239	229	215		
30	13.1	15.8	16.4	17.9	17.1	18.4	16.9	17.1	15.2	17.8	18.7	22.8	23.0	25.0	24.0	23.4	19.7		
35	1.75	1.77	1.77	1.97	2.04	1.93	1.73	1.68	1.64	1.66	1.66	1.75	1.83	1.80	1.68	1.63	1.64		
40	0.54	0.53	0.67	0.75	0.87	0.76	0.61	0.49	0.51	0.49	0.58	0.62	0.76	0.71	0.66	0.55	0.55		
45	0.20	0.16	0.25	0.31	0.41	0.26	0.20	0.14	0.18	0.14	0.21	0.21	0.31	0.27	0.25	0.18	0.22		
50	0.02	0.00	0.06	0.05	0.13	0.02	0.05	0.00	0.05	0.00	0.06	0.03	0.12	0.07	0.09	0.03	0.06		
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	0.03	0.01	0.03	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	0.09	0.13	0.08	0.12	0.07	0.10	0.05	0.10	0.05	0.09	0.05	0.09	0.05	0.10	0.05	0.11	0.06		
145	0.38	0.41	0.35	0.38	0.33	0.36	0.32	0.35	0.31	0.35	0.30	0.35	0.31	0.35	0.32	0.37	0.33		
150	0.88	0.89	0.84	0.86	0.81	0.83	0.79	0.81	0.77	0.80	0.77	0.80	0.77	0.80	0.79	0.83	0.82		
155	1.70	1.69	1.65	1.64	1.59	1.59	1.57	1.58	1.55	1.56	1.54	1.56	1.56	1.58	1.58	1.62	1.63		
160	2.58	2.59	2.53	2.54	2.49	2.50	2.46	2.47	2.44	2.45	2.43	2.47	2.45	2.49	2.48	2.53	2.52		
165	3.26	3.28	3.21	3.22	3.17	3.21	3.15	3.17	3.13	3.16	3.12	3.16	3.14	3.19	3.17	3.22	3.21		
170	3.68	3.71	3.63	3.66	3.59	3.63	3.56	3.60	3.54	3.58	3.52	3.59	3.55	3.62	3.59	3.64	3.62		
175	3.83	3.81	3.77	3.76	3.74	3.76	3.71	3.75	3.69	3.74	3.69	3.73	3.69	3.75	3.73	3.79	3.76		
180	3.83	3.83	3.78	3.78	3.76	3.76	3.76	3.77	3.76	3.76	3.76	3.77	3.77	3.78	3.78	3.81	3.82		

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
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
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Remarks: