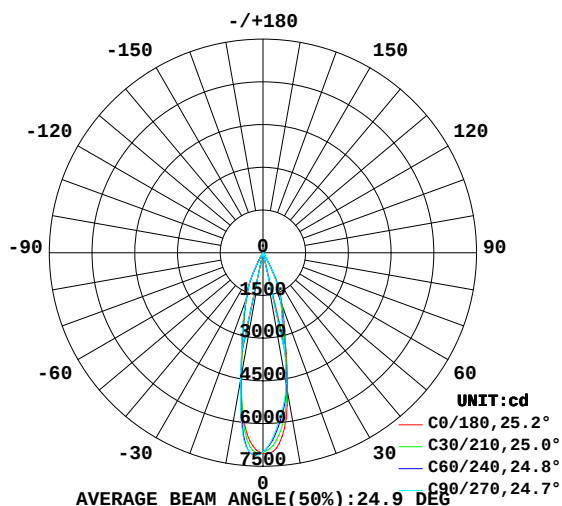


LUMINAIRE PHOTOMETRIC TEST REPORT

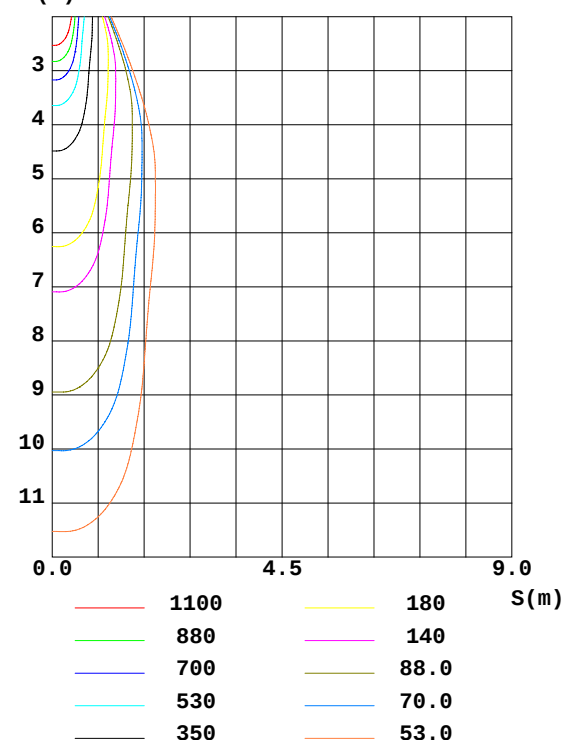
NAME:CL-Dot24-uls 3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.04 lm/W			
MODEL		I _{max} (cd)	7124	S/MH(C0/180)	0.45
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1873.0	η UP, DN(C0-180)	0.2, 50.4
NOMINAL FLUX(lm)	1873	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.2
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:tang
Test Date:2022-04-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.10m [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	4964	4793	4672	4522	4420	4434	4512	4694	0- 10	558.8	558.8	29.8, 29.8
20	1965	1888	1811	1763	1715	1722	1751	1850	10- 20	785.4	1344	71.8, 71.8
30	317.9	348.6	335.2	289.9	209.9	213.5	243.7	278.1	20- 30	459.8	1804	96.3, 96.3
40	16.37	20.20	24.05	19.43	8.122	5.197	5.387	8.337	30- 40	59.46	1863	99.5, 99.5
50	0.2365	0.3163	0.3864	0.3541	0.1365	0.1840	0.2317	0.2099	40- 50	1.921	1865	99.6, 99.6
60	0	0.0002	0	0.0000	0	0	0	0.0000	50- 60	0.0957	1865	99.6, 99.6
70	0	0	0	0	0	0	0	0	60- 70	0.0001	1865	99.6, 99.6
80	0	0	0	0	0	0	0	0	70- 80	0	1865	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	0	1865	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0	1865	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	1865	99.6, 99.6
120	0	0	0	0	0	0	0	0	110-120	0	1865	99.6, 99.6
130	0	0.0096	0.0428	0.0191	0.1610	0.1511	0.1317	0.1228	120-130	0.0120	1865	99.6, 99.6
140	0.8618	0.9013	0.9785	1.000	1.191	1.161	1.122	1.057	130-140	0.3442	1866	99.6, 99.6
150	3.253	3.334	3.491	3.551	3.742	3.642	3.537	3.389	140-150	1.290	1867	99.7, 99.7
160	7.174	7.222	7.356	7.425	7.536	7.344	7.180	7.032	150-160	2.422	1869	99.8, 99.8
170	10.44	10.33	10.34	10.36	10.60	10.37	10.23	10.13	160-170	2.488	1872	99.9, 99.9
180	11.74	11.56	11.50	11.47	11.77	11.57	11.49	11.47	170-180	1.037	1873	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

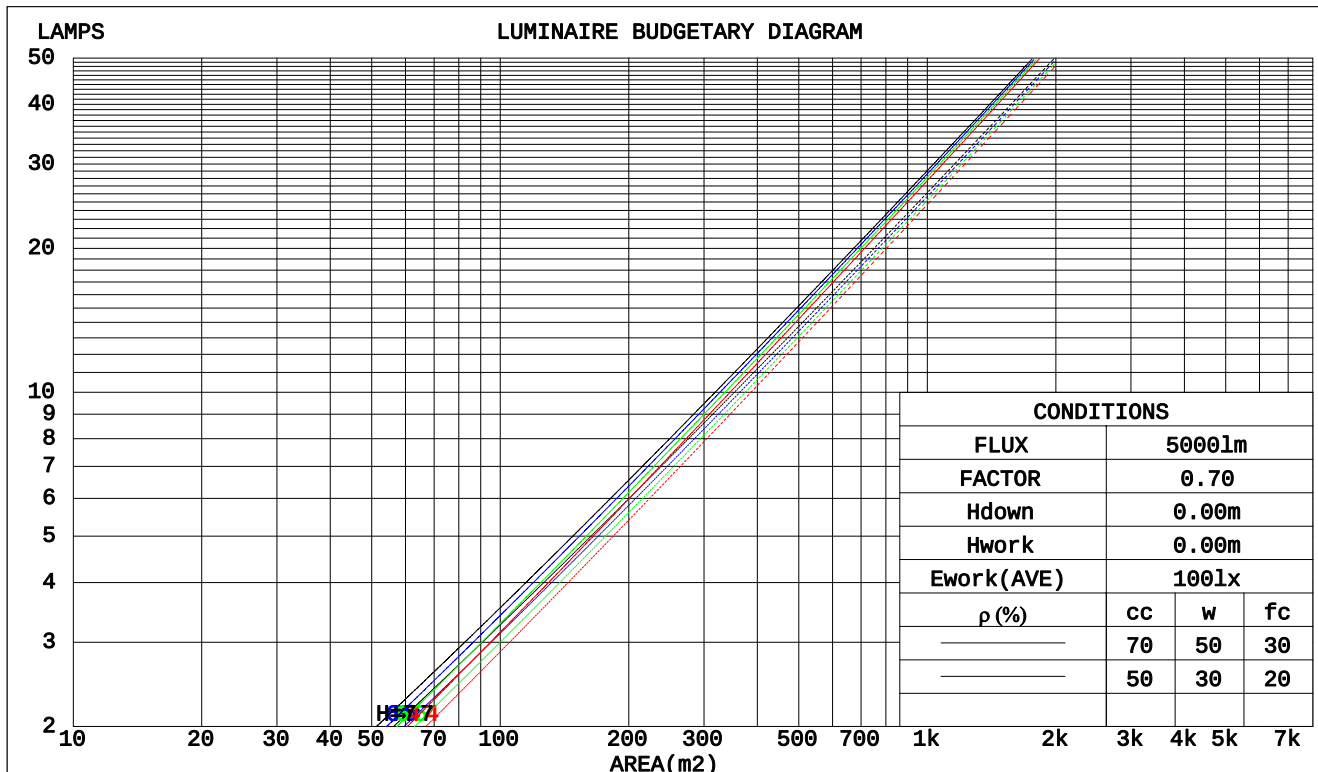
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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						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	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.98	.98	.96
2.0	1.07	1.04	1.01	1.05	1.03	1.00	1.02	.99	.98	.99	.97	.96	.97	.95	.94	.92
3.0	1.02	.98	.96	1.01	.97	.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	.91	.88	.85	.90	.87	.85	.88	.86	.84	.83
6.0	.90	.86	.83	.90	.86	.83	.88	.85	.82	.87	.84	.82	.86	.83	.81	.80
7.0	.87	.83	.80	.87	.83	.80	.85	.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	.76	.74	.79	.76	.74	.79	.76	.73	.72
10.0	.79	.75	.72	.79	.74	.72	.78	.74	.72	.77	.74	.71	.76	.73	.71	.70



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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 Coeffcients(WEC)										
0.0																	
1.0	.141	.080	.025	.134	.077	.024	.122	.070	.022	.110	.063	.020	.099	.058	.019		
2.0	.131	.072	.022	.126	.069	.021	.115	.064	.020	.106	.059	.019	.097	.055	.017		
3.0	.123	.065	.020	.118	.063	.019	.109	.059	.018	.101	.055	.017	.094	.052	.016		
4.0	.116	.060	.018	.112	.058	.017	.104	.055	.017	.097	.052	.016	.091	.049	.015		
5.0	.109	.056	.016	.106	.054	.016	.100	.052	.015	.094	.049	.015	.088	.047	.014		
6.0	.104	.052	.015	.101	.051	.015	.095	.049	.014	.090	.047	.014	.085	.045	.013		
7.0	.099	.049	.014	.096	.048	.014	.092	.046	.013	.087	.045	.013	.083	.043	.013		
8.0	.095	.046	.013	.092	.045	.013	.088	.044	.013	.084	.043	.012	.080	.041	.012		
9.0	.091	.044	.012	.089	.043	.012	.085	.042	.012	.081	.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	.194	.194	.194	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.172	.161	.151	.147	.138	.130	.101	.095	.090	.058	.055	.052	.019	.018	.017	
2.0	.154	.136	.121	.132	.117	.104	.090	.081	.073	.052	.047	.043	.017	.015	.014	
3.0	.139	.116	.098	.119	.100	.085	.082	.070	.060	.047	.041	.035	.015	.013	.012	
4.0	.127	.101	.081	.109	.087	.071	.075	.061	.050	.043	.036	.029	.014	.012	.010	
5.0	.117	.089	.068	.100	.077	.059	.069	.054	.042	.040	.032	.025	.013	.010	.008	
6.0	.108	.079	.058	.093	.068	.051	.064	.048	.036	.037	.028	.021	.012	.009	.007	
7.0	.101	.071	.050	.087	.062	.044	.060	.043	.031	.035	.025	.018	.011	.008	.006	
8.0	.095	.064	.044	.081	.056	.038	.056	.039	.027	.033	.023	.016	.011	.008	.005	
9.0	.089	.059	.038	.077	.051	.033	.053	.036	.024	.031	.021	.014	.010	.007	.005	
10.0	.084	.054	.034	.073	.047	.030	.050	.033	.021	.029	.020	.013	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D					TYPE:					WEIGHT:				
DIM.:					SPEC.:					SERIAL No.:				
MFR.: VD					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	-2.1	-1.4	-1.9	-1.3	-1.1	-1.3	-0.6	-1.1	-0.5	-0.3				
3H	-2.2	-1.6	-2.0	-1.4	-1.2	-1.5	-0.8	-1.2	-0.6	-0.4				
4H	-2.3	-1.7	-2.1	-1.5	-1.3	-1.5	-0.9	-1.3	-0.7	-0.5				
6H	-2.4	-1.8	-2.1	-1.6	-1.4	-1.6	-1.1	-1.3	-0.8	-0.6				
8H	-2.5	-1.9	-2.2	-1.7	-1.4	-1.7	-1.1	-1.4	-0.9	-0.6				
12H	-2.5	-2.0	-2.2	-1.7	-1.4	-1.7	-1.2	-1.4	-0.9	-0.6				
4H 2H	-2.3	-1.7	-2.1	-1.5	-1.3	-1.5	-0.9	-1.3	-0.7	-0.5				
3H	-2.5	-2.0	-2.2	-1.7	-1.4	-1.7	-1.2	-1.4	-0.9	-0.6				
4H	-2.6	-2.1	-2.3	-1.8	-1.5	-1.8	-1.3	-1.5	-1.0	-0.7				
6H	-2.7	-2.3	-2.3	-1.9	-1.6	-1.9	-1.5	-1.5	-1.2	-0.8				
8H	-2.8	-2.4	-2.4	-2.0	-1.6	-2.0	-1.6	-1.6	-1.2	-0.8				
12H	-2.8	-2.4	-2.4	-2.1	-1.7	-2.0	-1.7	-1.6	-1.3	-0.9				
8H 4H	-2.8	-2.4	-2.4	-2.0	-1.6	-2.0	-1.6	-1.6	-1.2	-0.8				
6H	-2.9	-2.5	-2.4	-2.1	-1.7	-2.1	-1.8	-1.7	-1.4	-0.9				
8H	-2.9	-2.6	-2.5	-2.2	-1.8	-2.1	-1.9	-1.7	-1.4	-1.0				
12H	-3.0	-2.7	-2.5	-2.3	-1.8	-2.2	-2.0	-1.7	-1.5	-1.0				
12H 4H	-2.8	-2.4	-2.4	-2.1	-1.7	-2.0	-1.7	-1.6	-1.3	-0.9				
6H	-2.9	-2.6	-2.5	-2.2	-1.8	-2.1	-1.9	-1.7	-1.4	-1.0				
8H	-3.0	-2.7	-2.5	-2.3	-1.8	-2.2	-2.0	-1.7	-1.5	-1.0				
Variations with the observer position at spacings:														
S = 1.0H	+ 5.0 / -45.3					+ 5.1 / -38.6								
1.5H	+ 7.8 / -29.6					+ 7.9 / -28.5								
2.0H	+ 7.1 / - 1.\$					+ 9.4 / - 1.\$								

CIE Pub.117 Corrected 1873 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.2)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

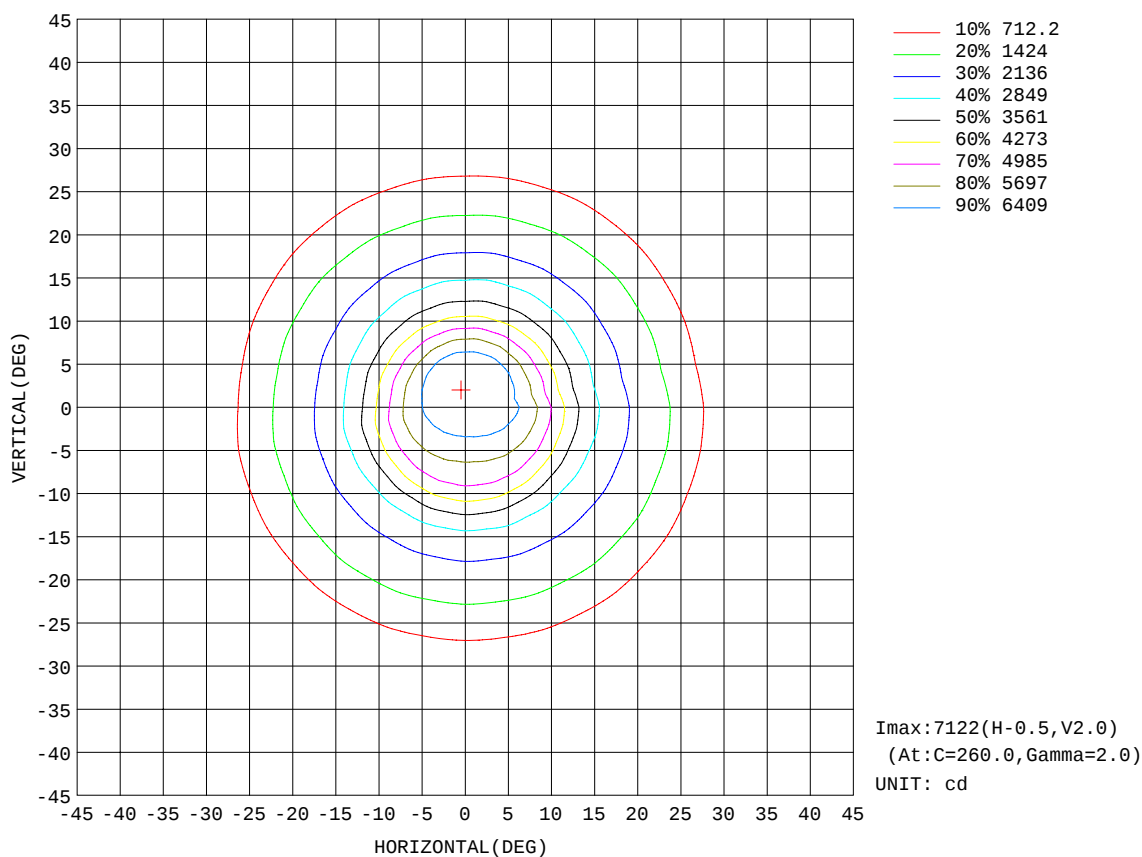
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	91	86	82	91	85	82	90	85	82	79
0.80	98	93	90	98	93	90	96	92	89	86
1.00	102	97	94	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	104	101	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

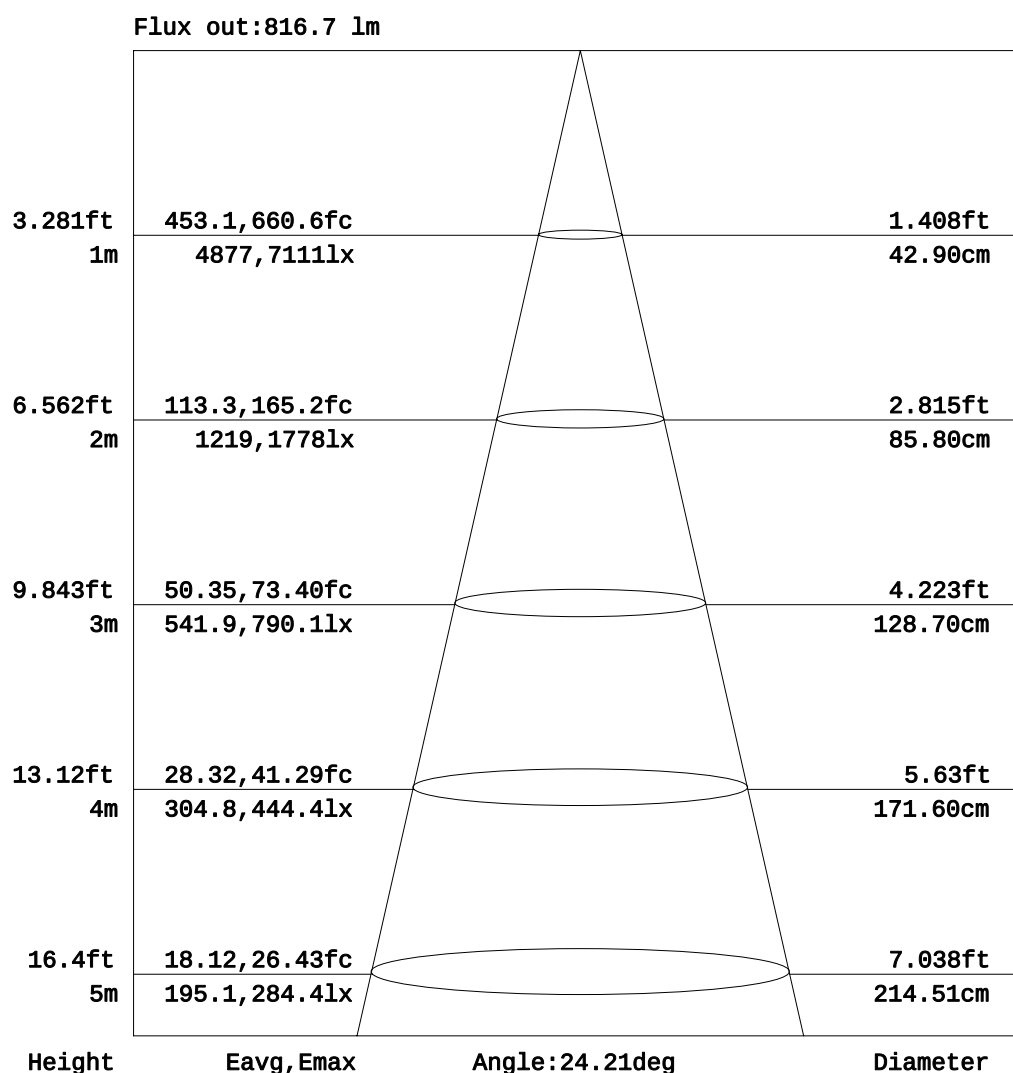


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



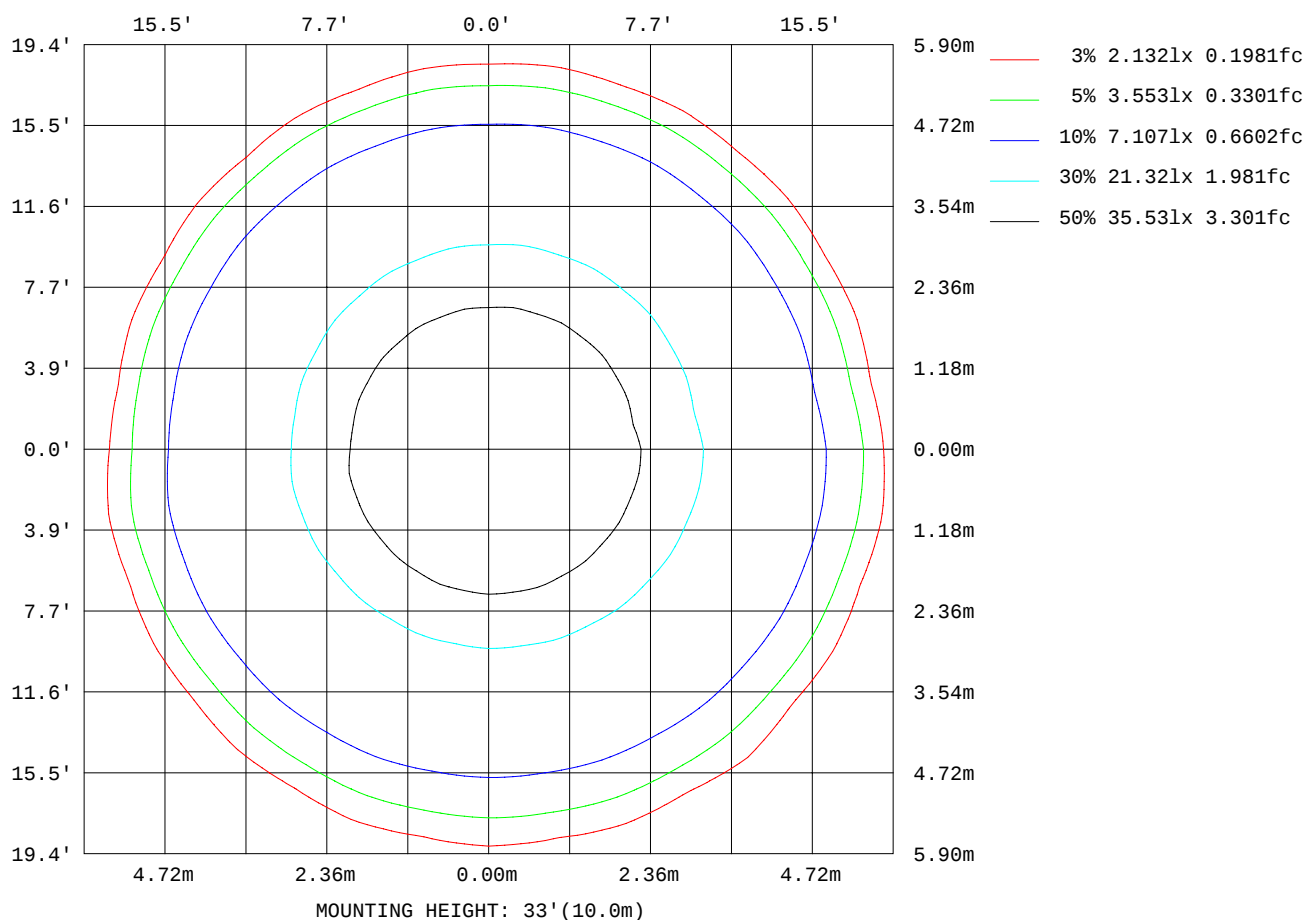
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	1873	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 deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	2	1	2	2	3	2	3	2	3	3	4	3	5	3	3	1	2	0	0
60	0	0	0	0	0	0	0	0	0	0	1	0	1	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	5	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:tang
Test Date:2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	1873	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	2	1	2	2	3	2	3	2	3	3	4	3	5	3	3	1	2	0	0
60	0	0	0	0	0	0	0	0	0	0	1	0	1	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	5	1000	1500	200	500
65 to 90	0	1000	1500	200	500

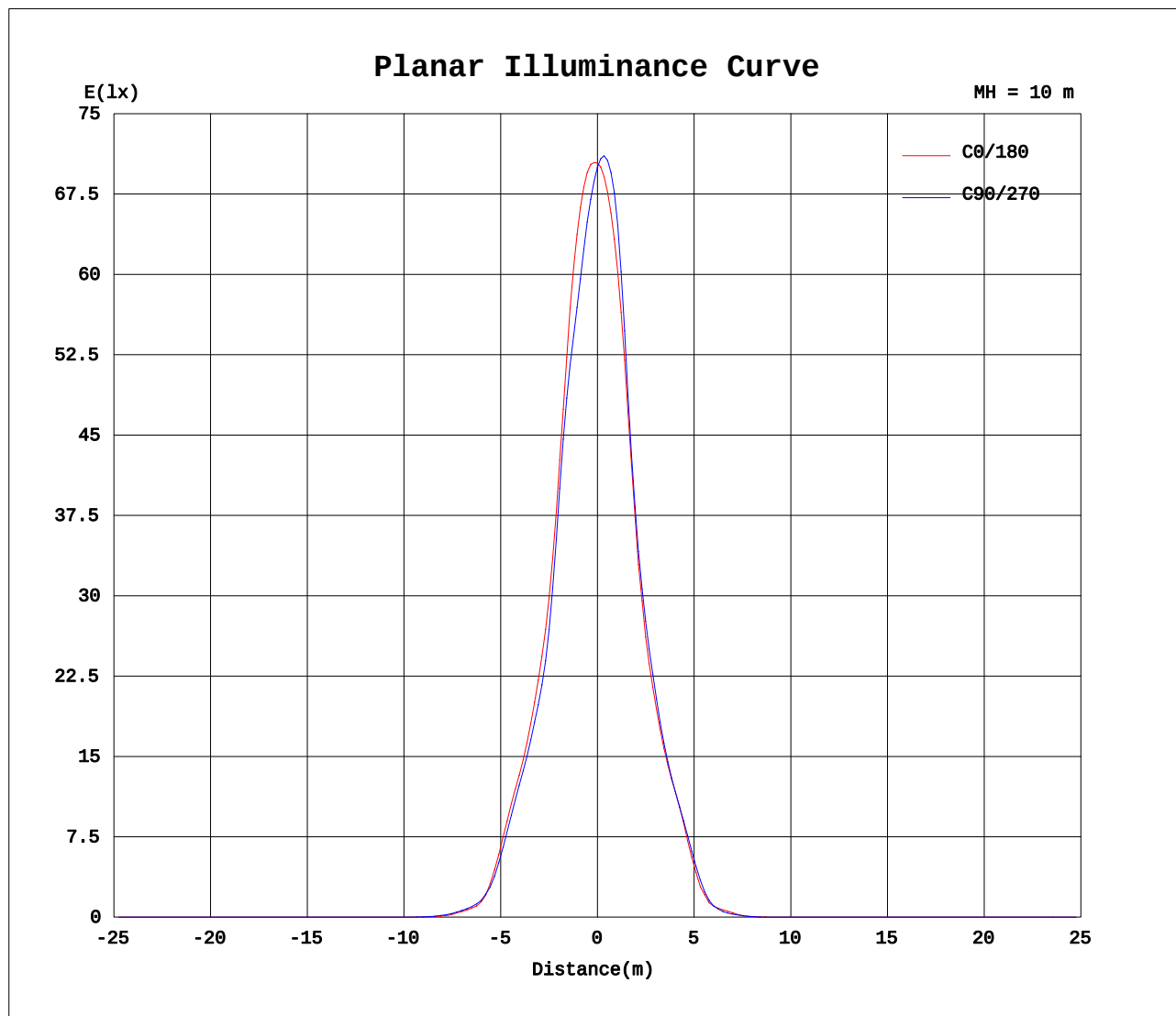
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:tang
Test Date:2022-04-14

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: tang
Test Date: 2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	7040	7026	7013	7010	7000	7002	6993	7000	6991	6999	6989	6996	6988	6992	6984	6986	6979	6978	7040
5	6701	6614	6502	6426	6316	6240	6139	6092	6029	6030	6016	6059	6080	6143	6176	6249	6291	6374	6400
10	4964	4955	4871	4864	4791	4794	4729	4730	4670	4672	4610	4618	4549	4552	4491	4525	4497	4544	4420
15	2983	2966	2883	2861	2785	2774	2713	2711	2654	2660	2613	2627	2590	2610	2589	2627	2619	2666	2625
20	1965	1969	1933	1930	1892	1885	1849	1844	1812	1811	1783	1785	1763	1772	1754	1761	1739	1751	1715
25	1209	1237	1208	1207	1173	1162	1122	1112	1079	1076	1055	1066	1047	1054	1033	1041	1021	1034	960
30	318	355	323	353	328	369	328	347	320	335	309	325	294	306	274	284	252	245	210
35	98.0	103	105	109	109	112	112	116	114	115	113	113	109	108	102	99.1	92.6	88.5	76.0
40	16.4	18.0	18.4	19.5	19.7	20.7	21.0	22.3	22.6	24.1	23.9	24.2	22.3	20.9	18.0	15.2	12.3	11.0	8.12
45	0.61	0.64	0.70	0.85	0.90	1.20	1.42	1.69	1.89	2.06	1.90	2.06	1.88	1.58	1.21	0.95	0.68	0.57	0.40
50	0.24	0.20	0.27	0.24	0.33	0.31	0.40	0.41	0.44	0.39	0.44	0.43	0.46	0.34	0.36	0.26	0.25	0.16	0.14
55	0.11	0.07	0.14	0.10	0.17	0.12	0.18	0.12	0.18	0.16	0.22	0.20	0.27	0.18	0.18	0.07	0.10	0.03	0.02
60	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.03	0.00	0.03	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	0.01	0.00	0.01	0.00	0.02	0.00	0.03	0.00	0.04	0.00	0.05	0.00	0.04	0.00	0.03	0.00	0.03	0.16
135	0.27	0.31	0.27	0.31	0.29	0.33	0.30	0.35	0.32	0.36	0.33	0.38	0.34	0.37	0.34	0.38	0.34	0.38	0.53
140	0.86	0.89	0.86	0.90	0.88	0.92	0.91	0.95	0.94	0.98	0.97	1.01	0.99	1.01	0.99	1.02	0.99	1.02	1.19
145	1.80	1.83	1.81	1.84	1.85	1.88	1.89	1.93	1.95	1.98	1.99	2.01	2.02	2.03	2.02	2.03	2.01	2.02	2.23
150	3.25	3.25	3.28	3.29	3.32	3.35	3.39	3.42	3.46	3.49	3.52	3.53	3.55	3.54	3.56	3.55	3.55	3.52	3.74
155	5.16	5.16	5.18	5.18	5.22	5.24	5.30	5.32	5.38	5.40	5.45	5.45	5.48	5.48	5.49	5.47	5.47	5.44	5.62
160	7.17	7.19	7.19	7.19	7.21	7.23	7.26	7.29	7.32	7.36	7.39	7.40	7.43	7.42	7.43	7.42	7.42	7.40	7.54
165	9.06	9.05	9.02	9.03	9.01	9.03	9.01	9.03	9.04	9.07	9.08	9.10	9.10	9.13	9.13	9.15	9.16	9.18	9.31
170	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.4	10.3	10.4	10.4	10.4	10.4	10.5	10.6
175	11.3	11.3	11.2	11.2	11.1	11.1	11.0	11.1	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.4
180	11.7	11.7	11.7	11.7	11.6	11.6	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.6	11.8

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-14

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: D0t24-S-3000K-Ra90-24w-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	7026	7013	7010	7000	7002	6993	7000	6991	6999	6989	6996	6988	6992	6984	6986	6979	6978		
5	6434	6515	6562	6662	6721	6817	6841	6863	6841	6847	6864	6902	6893	6862	6772	6704	6609		
10	4381	4430	4398	4449	4419	4477	4453	4524	4512	4596	4582	4663	4657	4730	4709	4753	4702		
15	2616	2663	2657	2708	2704	2751	2741	2787	2778	2831	2824	2878	2867	2907	2880	2901	2853		
20	1697	1717	1705	1728	1716	1740	1726	1754	1751	1786	1790	1831	1832	1867	1858	1881	1860		
25	952	983	981	1005	995	1014	1006	1028	1024	1052	1058	1090	1093	1120	1117	1137	1121		
30	204	205	204	212	215	225	229	240	244	275	260	289	265	291	265	292	263		
35	70.1	66.7	61.9	61.4	58.6	57.1	54.2	54.5	54.5	57.1	58.9	63.1	65.9	70.5	72.9	79.2	81.9		
40	7.43	6.95	5.95	5.54	4.85	4.85	4.68	5.24	5.39	6.08	6.48	7.26	7.71	8.96	9.66	11.0	11.6		
45	0.41	0.35	0.41	0.39	0.45	0.41	0.50	0.49	0.52	0.52	0.56	0.52	0.50	0.43	0.44	0.41	0.47		
50	0.18	0.13	0.19	0.16	0.21	0.16	0.23	0.18	0.23	0.18	0.24	0.18	0.24	0.18	0.22	0.16	0.20		
55	0.06	0.02	0.07	0.03	0.09	0.03	0.09	0.04	0.09	0.05	0.10	0.05	0.09	0.05	0.09	0.03	0.08		
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	0.01	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00		
130	0.11	0.16	0.13	0.17	0.14	0.18	0.14	0.18	0.13	0.18	0.13	0.17	0.10	0.14	0.09	0.12	0.08		
135	0.48	0.52	0.49	0.53	0.49	0.54	0.50	0.53	0.49	0.52	0.48	0.50	0.45	0.47	0.41	0.44	0.40		
140	1.15	1.18	1.15	1.18	1.15	1.17	1.14	1.16	1.12	1.14	1.09	1.11	1.05	1.06	1.02	1.03	0.99		
145	2.21	2.21	2.19	2.19	2.17	2.17	2.15	2.15	2.11	2.11	2.07	2.05	2.01	2.00	1.97	1.97	1.94		
150	3.73	3.69	3.68	3.65	3.64	3.60	3.58	3.56	3.54	3.49	3.47	3.43	3.40	3.38	3.37	3.35	3.36		
155	5.58	5.54	5.52	5.47	5.45	5.40	5.37	5.33	5.31	5.25	5.22	5.18	5.15	5.13	5.14	5.12	5.15		
160	7.48	7.43	7.39	7.36	7.33	7.29	7.25	7.22	7.18	7.13	7.10	7.06	7.05	7.02	7.02	7.02	7.04		
165	9.23	9.19	9.12	9.10	9.05	9.02	8.98	8.96	8.92	8.88	8.84	8.82	8.79	8.80	8.79	8.80	8.81		
170	10.5	10.5	10.4	10.4	10.3	10.3	10.3	10.3	10.2	10.2	10.2	10.2	10.1	10.1	10.1	10.2	10.2		
175	11.3	11.3	11.2	11.2	11.1	11.2	11.1	11.1	11.1	11.1	11.0	11.0	11.0	11.0	11.0	11.0	11.0		
180	11.7	11.7	11.6	11.6	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.6		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-14

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: