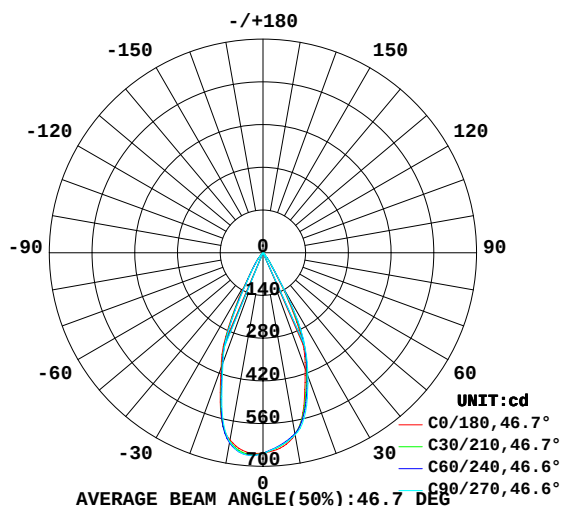


LUMINAIRE PHOTOMETRIC TEST REPORT

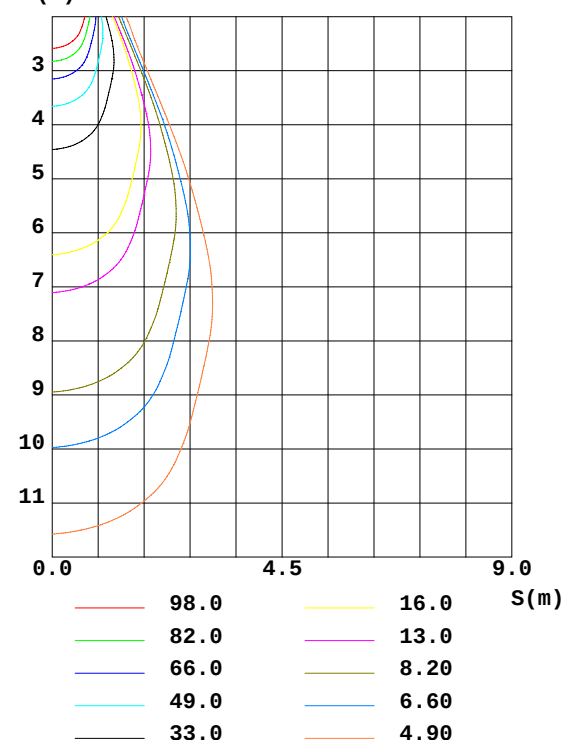
NAME: CL-Fold03 3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 79.77 lm/W
MODEL		Imax(cd)	665.3	S/MH(C0/180)	0.71	
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.74	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	361.84	η UP, DN(C0-180)	0.2, 51.7	
NOMINAL FLUX(lm)	361.836	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 48.0	
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	24	η down(%)	99.7	CIBSE SHR MAX	0.70	

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:2022-04-07

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	606.1	602.4	605.9	615.7	623.1	630.1	628.9	616.8	0- 10	60.95	60.95	16.8,16.8
20	404.8	420.3	430.2	425.8	401.6	390.8	384.0	385.5	10- 20	144.6	205.6	56.8,56.8
30	115.2	133.2	132.8	133.0	107.8	99.40	93.58	89.99	20- 30	120.9	326.4	90.2,90.2
40	11.47	13.84	14.08	19.65	14.96	19.31	15.28	14.30	30- 40	30.45	356.9	98.6,98.6
50	0.1475	0.5246	0.3482	0.8322	0.1831	0.7391	0.2084	0.4419	40- 50	3.707	360.6	99.7,99.7
60	0	0	0	0	0	0	0	0	50- 60	0.0581	360.7	99.7,99.7
70	0	0	0	0	0	0	0	0	60- 70	0	360.7	99.7,99.7
80	0	0	0	0	0	0	0	0	70- 80	0	360.7	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	0	360.7	99.7,99.7
100	0	0	0	0	0	0	0	0	90-100	0	360.7	99.7,99.7
110	0	0	0	0	0	0	0	0	100-110	0	360.7	99.7,99.7
120	0	0	0	0	0	0	0	0	110-120	0	360.7	99.7,99.7
130	0	0	0	0	0	0	0	0	120-130	0	360.7	99.7,99.7
140	0.1979	0.1911	0.1655	0.1723	0.1893	0.1865	0.1695	0.1935	130-140	0.0437	360.7	99.7,99.7
150	0.5942	0.6040	0.6044	0.5757	0.6140	0.6088	0.6084	0.6254	140-150	0.2349	360.9	99.7,99.7
160	1.075	1.090	1.086	1.052	1.081	1.071	1.071	1.093	150-160	0.3832	361.3	99.9,99.9
170	1.538	1.531	1.539	1.517	1.572	1.560	1.552	1.564	160-170	0.3651	361.7	100,100
180	1.822	1.807	1.807	1.807	1.826	1.805	1.807	1.810	170-180	0.1595	361.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

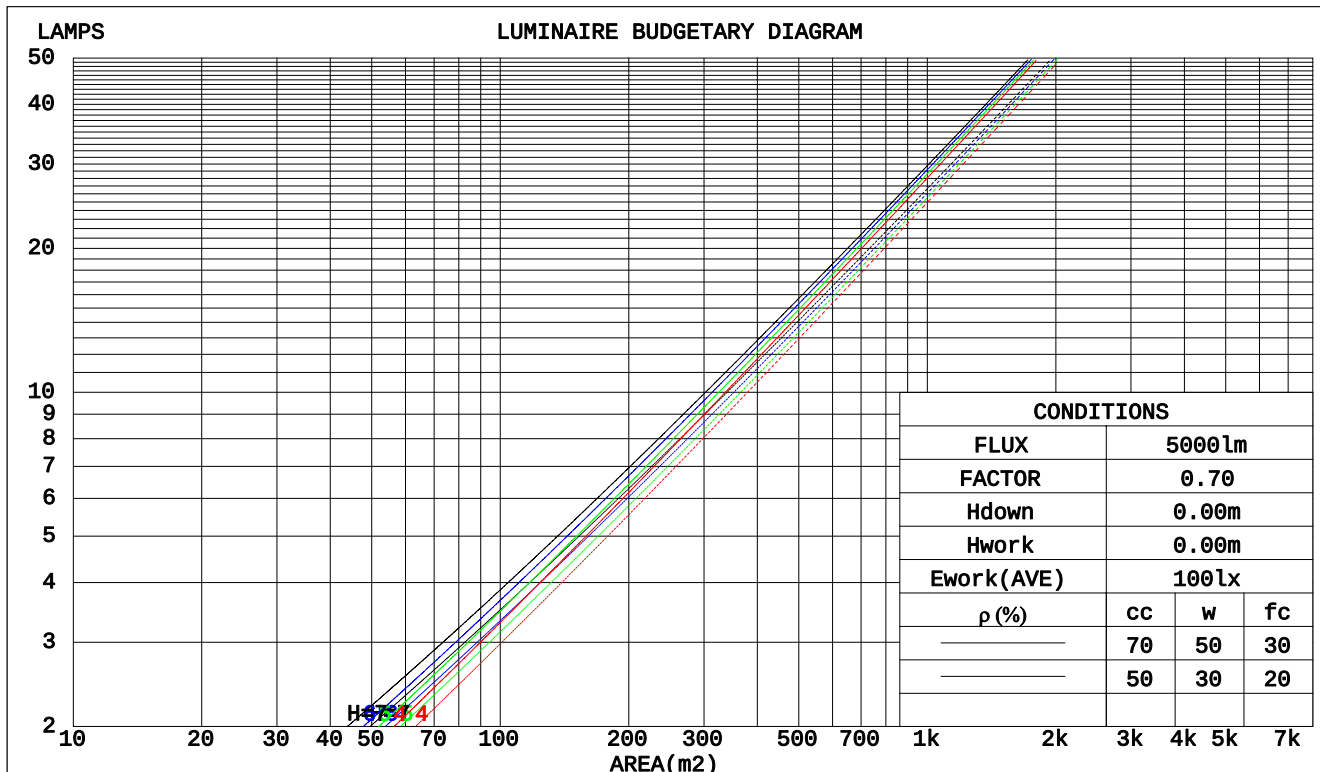
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-07

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: FoId03-3000k-RA90-48D	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.97	.97	.95
2.0	1.05	1.02	.99	1.04	1.01	.98	1.00	.98	.96	.98	.95	.94	.95	.93	.92	.90
3.0	.00	.95	.92	.98	.94	.91	.96	.93	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.95	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.81
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.86	.82	.79	.84	.81	.79	.77
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
7.0	.82	.77	.73	.81	.76	.73	.80	.75	.72	.79	.75	.72	.78	.74	.72	.70
8.0	.78	.73	.69	.77	.73	.69	.76	.72	.69	.75	.72	.69	.74	.71	.68	.67
9.0	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.72	.68	.65	.64
10.0	.71	.66	.63	.71	.66	.63	.70	.66	.63	.70	.66	.63	.69	.65	.63	.61



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-07

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: FoId03-3000k-RA90-48D	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 Coefficients(WEC)										
0.0																	
1.0	.156	.089	.028	.149	.085	.027	.137	.078	.025	.125	.072	.023	.114	.066	.021		
2.0	.147	.081	.025	.141	.078	.024	.131	.073	.023	.121	.068	.021	.112	.063	.020		
3.0	.139	.074	.022	.134	.072	.022	.125	.068	.021	.117	.064	.020	.109	.061	.019		
4.0	.132	.069	.020	.128	.067	.020	.120	.064	.019	.113	.061	.018	.106	.058	.018		
5.0	.125	.064	.019	.122	.063	.018	.115	.060	.018	.109	.058	.017	.103	.055	.017		
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.100	.053	.016		
7.0	.115	.057	.016	.112	.056	.016	.107	.054	.016	.102	.052	.015	.098	.051	.015		
8.0	.110	.054	.015	.107	.053	.015	.103	.051	.015	.099	.050	.014	.095	.049	.014		
9.0	.105	.051	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.092	.047	.014		
10.0	.102	.049	.014	.100	.048	.013	.096	.047	.013	.093	.046	.013	.089	.045	.013		

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.172	.160	.149	.147	.137	.128	.101	.094	.089	.058	.055	.052	.019	.018	.017		
2.0	.155	.135	.118	.133	.116	.102	.091	.080	.071	.053	.047	.042	.017	.015	.014		
3.0	.142	.116	.095	.122	.100	.083	.083	.069	.058	.048	.041	.034	.015	.013	.011		
4.0	.130	.101	.078	.112	.087	.068	.077	.061	.048	.045	.036	.028	.014	.012	.009		
5.0	.121	.089	.065	.104	.077	.057	.072	.054	.040	.041	.032	.024	.013	.010	.008		
6.0	.113	.079	.055	.097	.069	.048	.067	.048	.034	.039	.028	.020	.013	.009	.007		
7.0	.106	.072	.047	.091	.062	.041	.063	.043	.029	.037	.026	.017	.012	.008	.006		
8.0	.100	.065	.041	.086	.056	.036	.060	.040	.025	.035	.023	.015	.011	.008	.005		
9.0	.095	.060	.036	.082	.052	.031	.057	.036	.022	.033	.022	.013	.011	.007	.004		
10.0	.091	.055	.032	.078	.048	.028	.054	.034	.020	.032	.020	.012	.010	.007	.004		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-07

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: Fold03-3000k-RA90-48D						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	-2.5	-1.7	-2.3	-1.5	-1.4	-2.5	-1.7	-2.3	-1.5	-1.4	
3H	-2.7	-1.9	-2.4	-1.7	-1.5	-2.6	-1.9	-2.4	-1.7	-1.5	
4H	-2.8	-2.1	-2.5	-1.8	-1.6	-2.7	-2.0	-2.5	-1.8	-1.6	
6H	-2.8	-2.2	-2.5	-1.9	-1.7	-2.8	-2.2	-2.5	-1.9	-1.7	
8H	-2.9	-2.3	-2.6	-2.0	-1.7	-2.9	-2.2	-2.6	-2.0	-1.7	
12H	-2.9	-2.3	-2.6	-2.1	-1.8	-2.9	-2.3	-2.6	-2.0	-1.8	
4H 2H	-2.8	-2.1	-2.5	-1.8	-1.6	-2.7	-2.0	-2.5	-1.8	-1.6	
3H	-2.9	-2.3	-2.6	-2.1	-1.8	-2.9	-2.3	-2.6	-2.0	-1.8	
4H	-3.0	-2.5	-2.7	-2.2	-1.9	-3.0	-2.5	-2.7	-2.2	-1.8	
6H	-3.1	-2.6	-2.8	-2.3	-2.0	-3.1	-2.6	-2.7	-2.3	-1.9	
8H	-3.2	-2.7	-2.8	-2.4	-2.0	-3.2	-2.7	-2.8	-2.4	-2.0	
12H	-3.2	-2.8	-2.8	-2.4	-2.1	-3.2	-2.8	-2.8	-2.4	-2.0	
8H 4H	-3.2	-2.7	-2.8	-2.4	-2.0	-3.2	-2.7	-2.8	-2.4	-2.0	
6H	-3.3	-2.9	-2.9	-2.5	-2.1	-3.3	-2.9	-2.8	-2.5	-2.1	
8H	-3.3	-3.0	-2.9	-2.6	-2.2	-3.3	-3.0	-2.9	-2.6	-2.1	
12H	-3.4	-3.1	-2.9	-2.7	-2.2	-3.4	-3.1	-2.9	-2.7	-2.2	
12H 4H	-3.2	-2.8	-2.8	-2.4	-2.1	-3.2	-2.8	-2.8	-2.4	-2.0	
6H	-3.3	-3.0	-2.9	-2.6	-2.2	-3.3	-3.0	-2.9	-2.6	-2.1	
8H	-3.4	-3.1	-2.9	-2.7	-2.2	-3.4	-3.1	-2.9	-2.7	-2.2	
Variations with the observer position at spacings:											
S = 1.0H	+ 4.7 / - 1.\$					+ 4.3 / - 1.\$					
1.5H	+ 7.4 / -55.3					+ 7.1 / -38.4					
2.0H	+ 8.7 / - 1.\$					+ 9.5 / - 1.\$					

CIE Pub.117 Corrected 361.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.5)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-07

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: Fold03-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

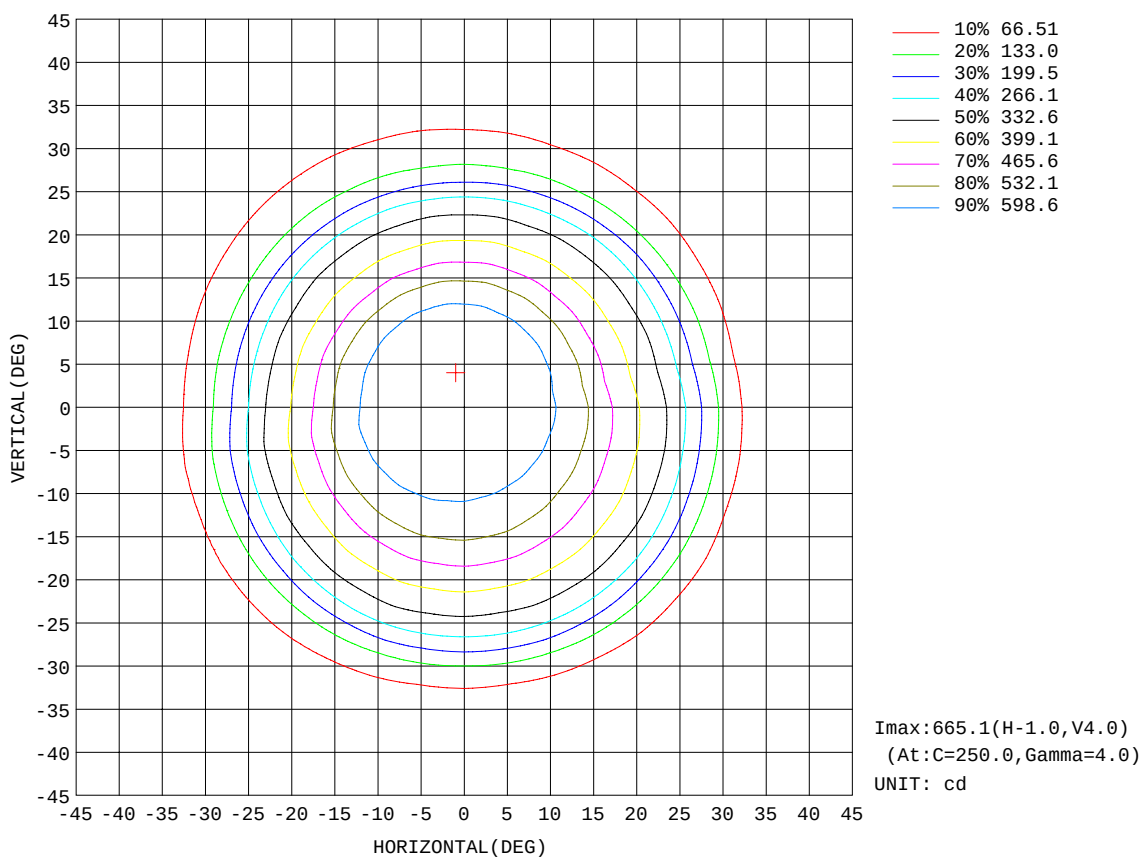
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	89	84	81	78
0.80	98	92	89	97	92	89	96	92	89	85
1.00	102	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	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	109	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: FoId03-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

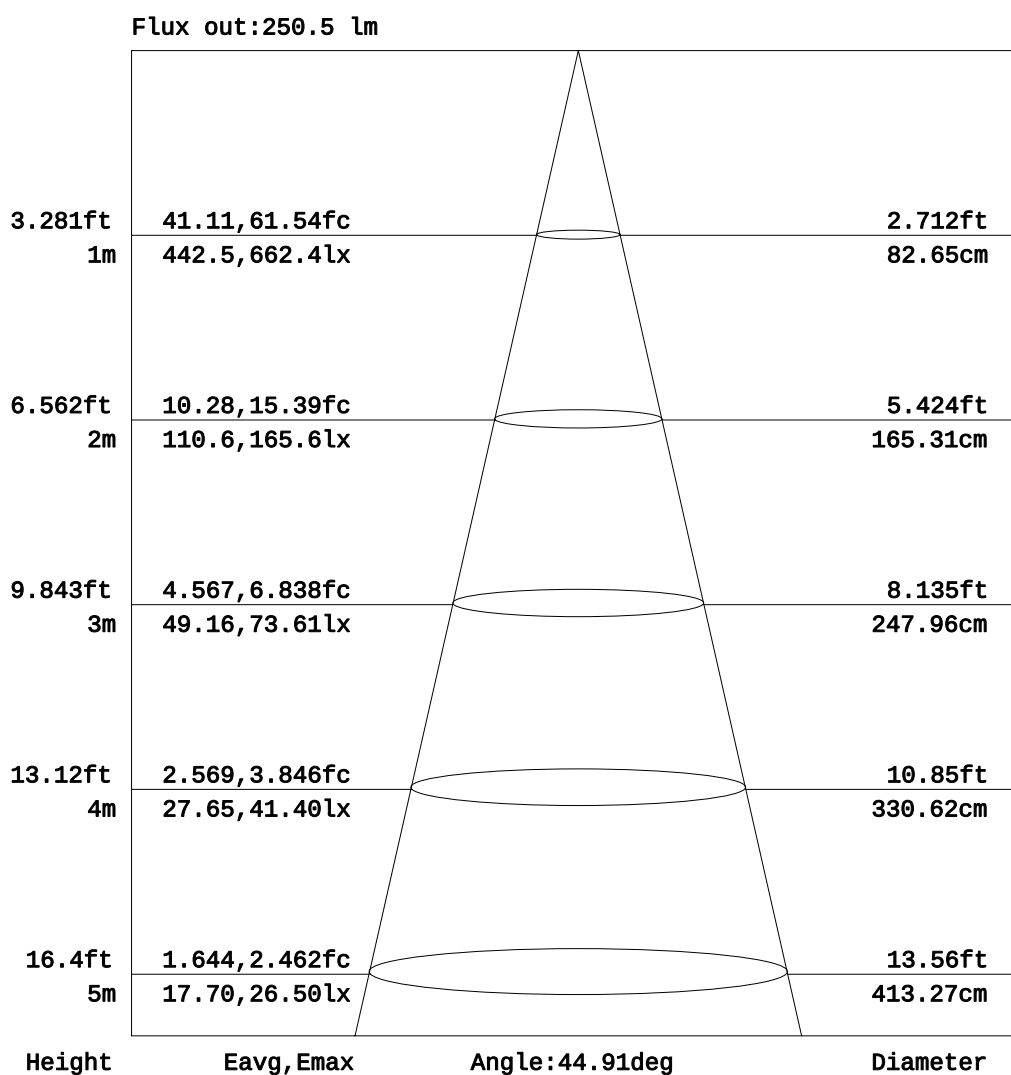


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: Fold03-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



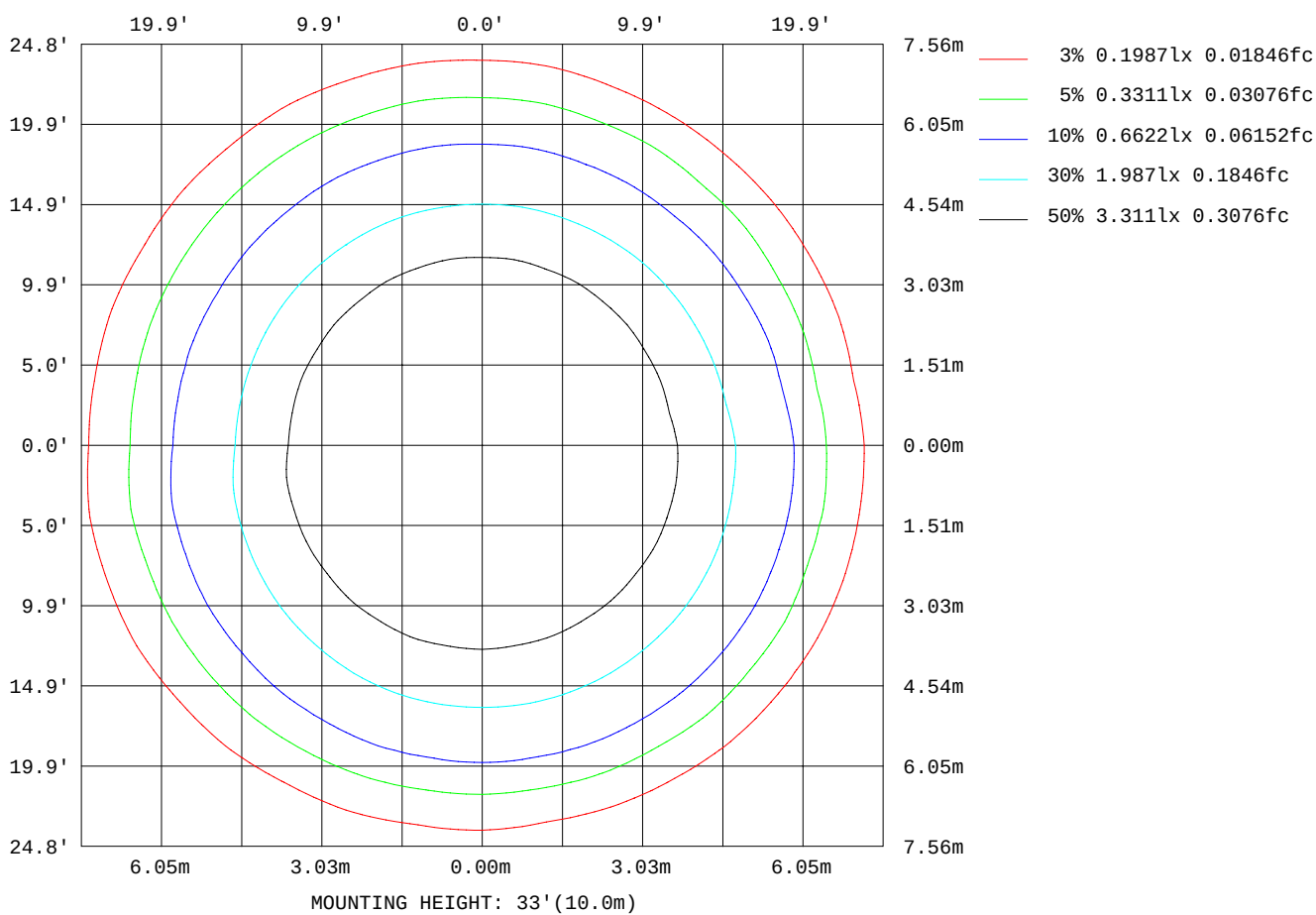
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-07

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: FoId03-3000k-RA90-48D	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: 2022-04-07

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: Fold03-3000k-RA90-48D	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	361.836	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	1	0	1	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:tang
Test Date:2022-04-07

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: Fold03-3000k-RA90-48D	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	361.836	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	1	0	1	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

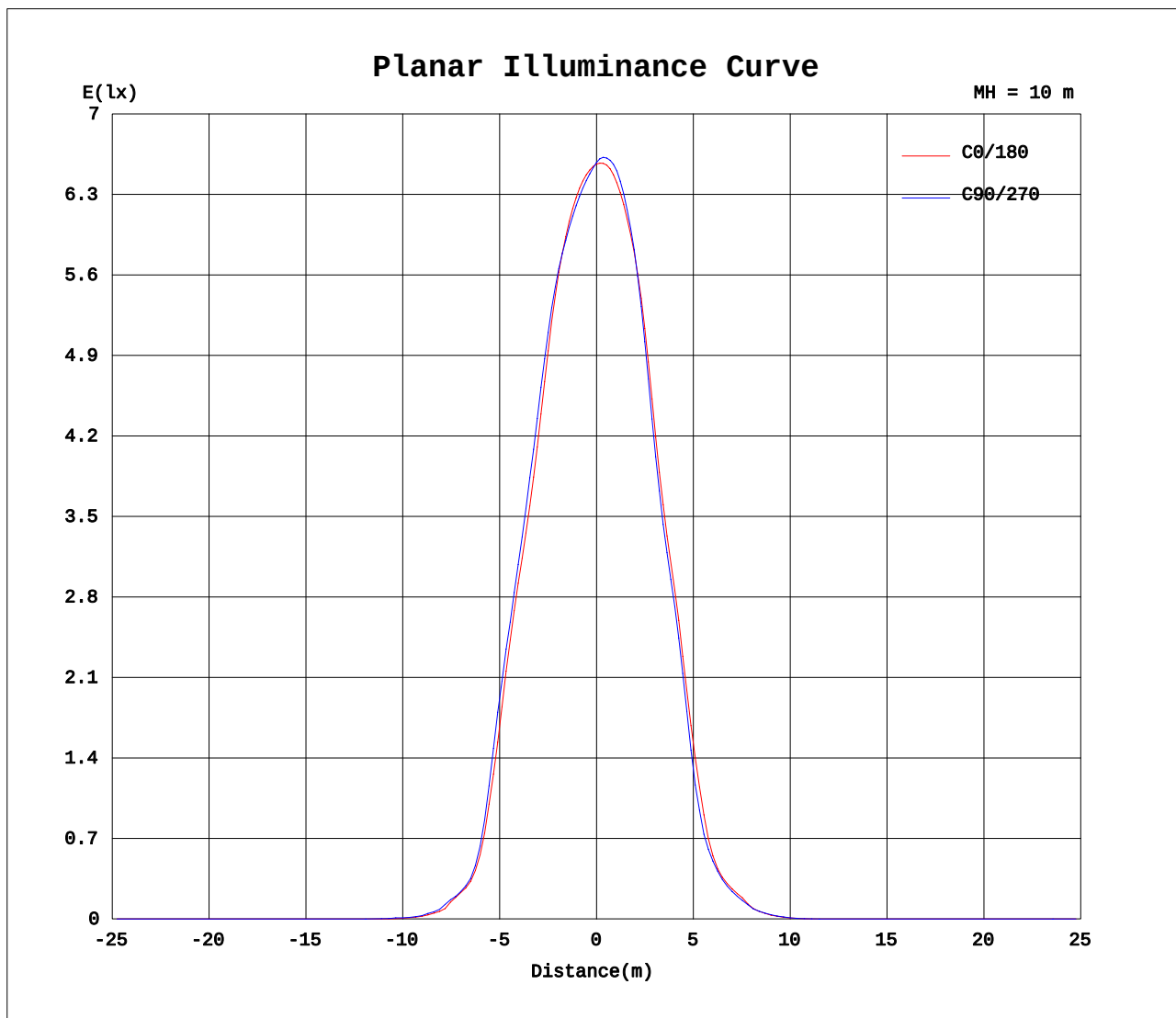
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:tang
Test Date:2022-04-07

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: 2022-04-07

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: FoId03-3000k-RA90-48D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	656	657	657	657	657	657	657	657	657	658	657	658	658	658	657	658	657	657	656
5	643	641	638	637	635	635	634	634	635	636	637	639	641	644	646	649	651	654	655
10	606	605	602	603	602	603	602	604	604	606	607	610	611	615	617	620	621	625	623
15	519	521	520	524	525	530	531	536	537	541	541	545	544	547	546	548	547	549	538
20	405	410	413	417	418	422	424	427	427	430	429	432	429	429	423	422	416	415	402
25	290	293	299	307	308	312	311	315	312	315	313	318	313	312	305	299	294	287	266
30	115	122	126	130	133	134	135	134	135	133	135	134	136	133	133	130	127	123	108
35	41.9	42.2	42.3	43.7	43.8	44.0	42.5	42.3	42.4	43.7	43.1	45.1	46.3	48.4	49.0	49.5	49.5	50.4	47.9
40	11.5	11.6	11.8	13.9	13.8	13.9	13.1	11.7	10.7	14.1	11.4	14.3	17.4	19.4	19.9	22.2	19.5	17.5	15.0
45	2.16	2.25	2.77	3.43	3.79	3.90	3.29	2.82	2.49	3.10	2.49	2.96	3.96	5.64	5.36	5.18	4.37	4.01	2.84
50	0.15	0.12	0.21	0.28	0.47	0.58	0.38	0.29	0.25	0.35	0.26	0.29	0.43	0.78	0.88	0.50	0.26	0.18	0.18
55	0.00	0.00	0.00	0.00	0.04	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.05	0.02	0.06	0.00	0.01	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	0.05	0.08	0.03	0.08	0.03	0.06	0.01	0.07	0.00	0.02	0.00	0.05	0.00	0.06	0.01	0.06	0.01	0.06	0.05
140	0.20	0.25	0.19	0.23	0.17	0.21	0.16	0.21	0.15	0.17	0.13	0.19	0.15	0.19	0.15	0.20	0.16	0.20	0.19
145	0.37	0.42	0.36	0.40	0.35	0.39	0.35	0.38	0.34	0.37	0.33	0.38	0.33	0.38	0.33	0.38	0.34	0.38	0.38
150	0.59	0.64	0.59	0.63	0.58	0.63	0.57	0.61	0.57	0.60	0.56	0.60	0.56	0.60	0.56	0.60	0.57	0.60	0.61
155	0.84	0.88	0.83	0.88	0.83	0.87	0.82	0.86	0.81	0.85	0.81	0.85	0.80	0.84	0.80	0.84	0.80	0.85	0.85
160	1.08	1.12	1.08	1.11	1.07	1.11	1.06	1.10	1.06	1.09	1.04	1.08	1.03	1.08	1.03	1.07	1.02	1.08	1.08
165	1.32	1.35	1.31	1.35	1.30	1.33	1.29	1.33	1.28	1.32	1.28	1.31	1.26	1.30	1.26	1.30	1.27	1.31	1.34
170	1.54	1.58	1.53	1.57	1.51	1.55	1.50	1.55	1.49	1.54	1.49	1.54	1.49	1.53	1.50	1.54	1.50	1.55	1.57
175	1.73	1.76	1.72	1.75	1.70	1.74	1.69	1.74	1.68	1.73	1.69	1.73	1.69	1.73	1.69	1.74	1.70	1.76	1.77
180	1.82	1.83	1.81	1.81	1.80	1.81	1.80	1.80	1.80	1.81	1.81	1.81	1.80	1.81	1.81	1.82	1.81	1.82	1.83

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: FoId03-3000k-RA90-48D	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	657	657	657	657	657	657	657	657	658	657	658	658	658	657	658	657	657		
5	656	659	660	662	663	664	664	664	664	663	661	659	656	654	650	647	644		
10	624	627	628	630	630	632	631	631	629	628	624	622	618	616	611	608	604		
15	535	538	533	534	530	530	525	526	521	522	516	517	512	512	507	509	506		
20	397	398	393	393	389	389	386	387	384	386	383	385	384	387	386	390	391		
25	261	258	255	253	250	248	246	244	242	244	243	246	251	254	256	261	267		
30	104	104	100	100	98.5	99.4	96.9	96.3	93.6	93.6	90.5	90.1	88.8	91.2	92.2	97.7	98.4		
35	47.7	48.0	47.3	48.0	46.6	46.4	45.6	44.8	43.6	43.1	41.3	40.8	39.9	40.0	39.6	39.7	38.9		
40	15.3	17.1	18.4	19.5	19.1	18.9	17.5	16.4	15.3	15.1	14.3	15.0	14.2	14.4	13.2	12.1	10.6		
45	2.96	4.13	5.08	6.14	6.30	5.61	4.47	3.81	3.12	3.37	3.59	4.22	4.85	4.62	3.49	2.71	1.97		
50	0.23	0.21	0.40	0.74	0.74	0.42	0.35	0.20	0.21	0.21	0.27	0.32	0.45	0.44	0.33	0.19	0.19		
55	0.03	0.00	0.05	0.03	0.08	0.04	0.06	0.00	0.01	0.00	0.03	0.01	0.06	0.01	0.05	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	0.01	0.05	0.01	0.06	0.01	0.07	0.01	0.07	0.02	0.06	0.02	0.07	0.02	0.07	0.02	0.07	0.01		
140	0.15	0.21	0.16	0.21	0.16	0.21	0.17	0.22	0.17	0.22	0.17	0.22	0.17	0.22	0.17	0.21	0.16		
145	0.34	0.39	0.36	0.40	0.37	0.42	0.37	0.42	0.37	0.42	0.38	0.42	0.38	0.41	0.37	0.41	0.37		
150	0.58	0.63	0.58	0.63	0.59	0.64	0.60	0.64	0.61	0.65	0.60	0.65	0.61	0.64	0.60	0.64	0.59		
155	0.80	0.85	0.81	0.86	0.82	0.87	0.83	0.88	0.84	0.88	0.84	0.89	0.84	0.88	0.84	0.88	0.83		
160	1.05	1.09	1.04	1.10	1.05	1.10	1.07	1.11	1.07	1.11	1.07	1.12	1.07	1.11	1.07	1.11	1.07		
165	1.29	1.33	1.29	1.33	1.30	1.35	1.31	1.36	1.32	1.36	1.33	1.35	1.31	1.35	1.32	1.35	1.30		
170	1.53	1.58	1.53	1.58	1.54	1.59	1.55	1.60	1.55	1.59	1.55	1.59	1.54	1.59	1.55	1.59	1.53		
175	1.73	1.77	1.72	1.77	1.73	1.78	1.74	1.78	1.73	1.78	1.74	1.78	1.73	1.77	1.73	1.78	1.73		
180	1.82	1.82	1.81	1.81	1.80	1.81	1.80	1.81	1.81	1.81	1.81	1.82	1.81	1.81	1.81	1.82	1.82		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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: