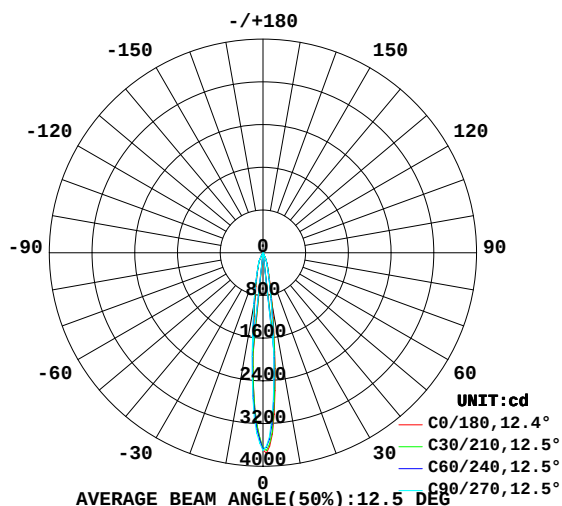


LUMINAIRE PHOTOMETRIC TEST REPORT

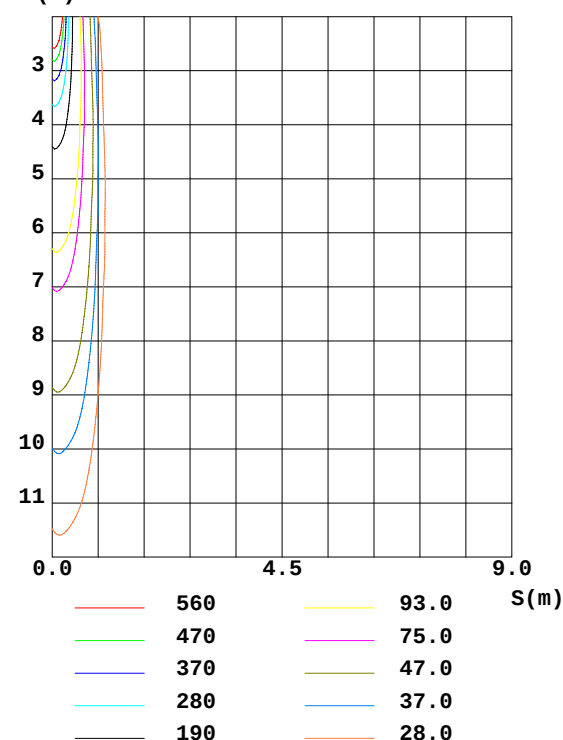
NAME: CL-Fold03 3000k-RA90-12D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.93 lm/W			
MODEL		Imax(cd)	3782	S/MH(C0/180)	0.24
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.22
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	362.57	η UP, DN(C0-180)	0.2, 47.8
NOMINAL FLUX(lm)	362.565	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 51.8
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:2022-04-07

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	1002	915.6	871.0	882.4	876.8	938.7	984.6	993.9	0- 10	175.0	175.0	48.3, 48.3
20	235.0	209.9	208.5	230.0	248.1	269.7	270.3	251.4	10- 20	126.8	301.8	83.2, 83.2
30	19.16	9.583	7.912	13.03	21.94	35.36	34.42	25.20	20- 30	57.50	359.3	99.1, 99.1
40	0.3976	0.3823	0.2919	0.3847	0.2634	0.4766	0.4353	0.4766	30- 40	1.896	361.2	99.6, 99.6
50	0	0.0049	0	0.0000	0	0.0048	0	0.0072	40- 50	0.0960	361.3	99.6, 99.6
60	0	0	0	0	0	0	0	0	50- 60	0.0000	361.3	99.6, 99.6
70	0	0	0	0	0	0	0	0	60- 70	0	361.3	99.6, 99.6
80	0	0	0	0	0	0	0	0	70- 80	0	361.3	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	0	361.3	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0	361.3	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	361.3	99.6, 99.6
120	0	0	0	0	0	0	0	0	110-120	0	361.3	99.6, 99.6
130	0	0	0	0	0	0	0	0	120-130	0	361.3	99.6, 99.6
140	0	0.0167	0.0239	0.0095	0.0192	0.0001	0	0.0072	130-140	0.0004	361.3	99.6, 99.6
150	0.4004	0.4742	0.5011	0.4506	0.4729	0.3943	0.3628	0.4037	140-150	0.0998	361.4	99.7, 99.7
160	1.537	1.616	1.667	1.619	1.540	1.447	1.410	1.461	150-160	0.4279	361.8	99.8, 99.8
170	2.218	2.217	2.206	2.193	2.168	2.103	2.072	2.136	160-170	0.5365	362.4	99.9, 99.9
180	2.242	2.185	2.176	2.187	2.204	2.157	2.142	2.161	170-180	0.2089	362.6	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

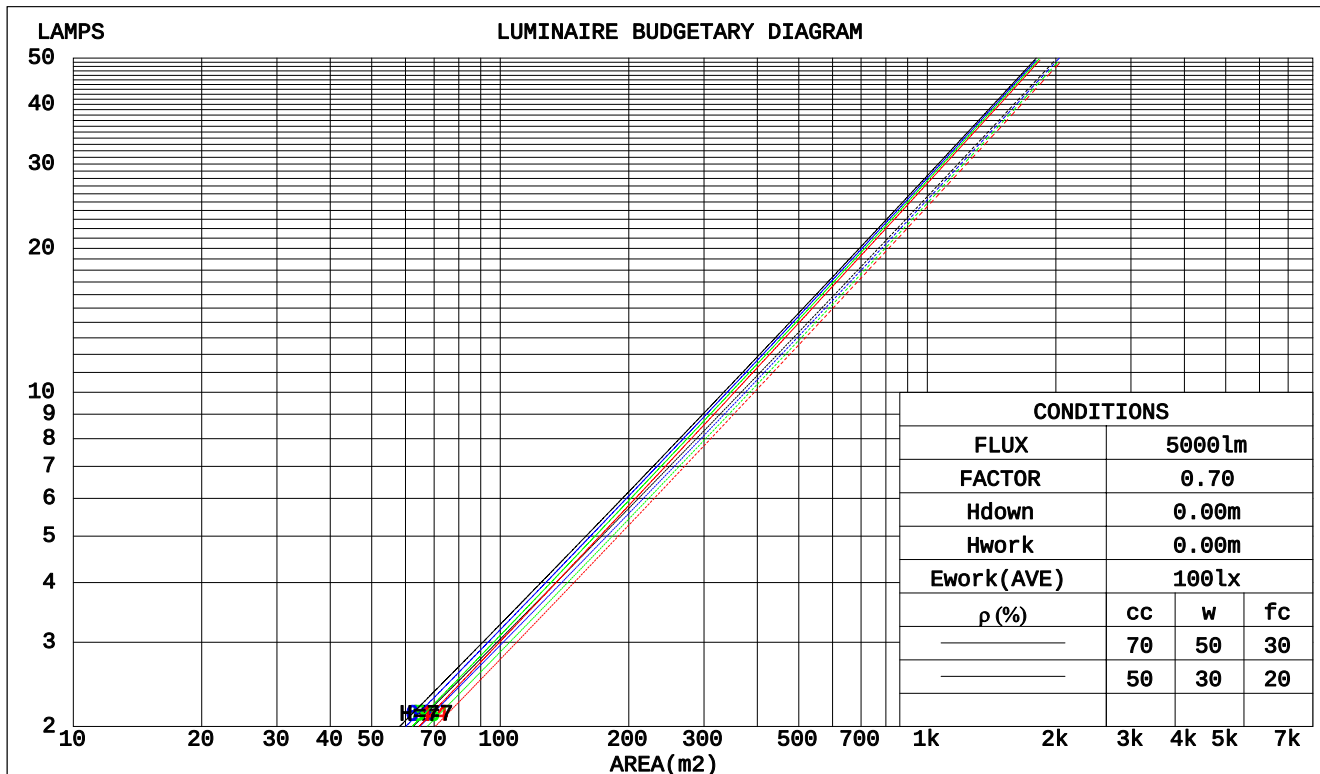
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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-RA90-12D	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						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	1.04	1.03	1.02	1.00	.99	.99	.97
2.0	1.09	1.06	1.04	1.07	1.05	1.03	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	.99	.97	.99	.97	.95	.97	.95	.94	.92
4.0	1.01	.98	.95	1.00	.97	.94	.98	.96	.93	.96	.94	.92	.95	.93	.91	.90
5.0	.98	.95	.92	.97	.94	.91	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88
6.0	.95	.92	.89	.95	.91	.89	.93	.90	.88	.92	.90	.88	.91	.89	.87	.86
7.0	.93	.89	.87	.92	.89	.86	.91	.88	.86	.90	.88	.86	.89	.87	.85	.84
8.0	.91	.87	.85	.90	.87	.84	.89	.86	.84	.88	.86	.84	.88	.85	.83	.83
9.0	.89	.85	.83	.88	.85	.82	.87	.84	.82	.87	.84	.82	.86	.83	.82	.81
10.0	.87	.83	.81	.86	.83	.81	.86	.83	.80	.85	.82	.80	.84	.82	.80	.79



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-RA90-12D	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	.126	.072	.023	.119	.068	.022	.107	.061	.020	.095	.055	.018	.085	.049	.016		
2.0	.116	.063	.019	.110	.061	.019	.100	.055	.017	.090	.051	.016	.082	.046	.015		
3.0	.107	.057	.017	.102	.055	.016	.094	.051	.015	.086	.047	.014	.079	.043	.013		
4.0	.100	.052	.015	.096	.050	.015	.089	.047	.014	.082	.044	.013	.076	.041	.013		
5.0	.093	.048	.014	.090	.046	.013	.084	.044	.013	.078	.041	.012	.073	.039	.012		
6.0	.088	.044	.013	.085	.043	.012	.080	.041	.012	.075	.039	.011	.070	.037	.011		
7.0	.083	.041	.012	.081	.040	.011	.076	.039	.011	.072	.037	.011	.068	.035	.010		
8.0	.079	.039	.011	.077	.038	.011	.073	.036	.010	.069	.035	.010	.066	.034	.010		
9.0	.075	.036	.010	.074	.036	.010	.070	.035	.010	.067	.033	.010	.064	.032	.009		
10.0	.072	.035	.010	.070	.034	.009	.067	.033	.009	.064	.032	.009	.062	.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	.170	.160	.152	.146	.138	.130	.100	.095	.090	.057	.055	.052	.018	.018	.017		
2.0	.151	.135	.122	.130	.117	.106	.089	.081	.074	.051	.047	.043	.016	.015	.014		
3.0	.136	.116	.100	.116	.100	.087	.080	.069	.061	.046	.041	.036	.015	.013	.012		
4.0	.123	.100	.083	.105	.087	.072	.072	.060	.051	.042	.035	.030	.013	.012	.010		
5.0	.112	.088	.070	.096	.076	.061	.066	.053	.043	.038	.031	.026	.012	.010	.008		
6.0	.102	.078	.060	.088	.067	.052	.061	.047	.037	.035	.028	.022	.011	.009	.007		
7.0	.095	.069	.052	.081	.060	.045	.056	.042	.032	.033	.025	.019	.011	.008	.006		
8.0	.088	.062	.045	.076	.054	.039	.052	.038	.028	.030	.022	.017	.010	.007	.006		
9.0	.082	.057	.040	.071	.049	.035	.049	.035	.025	.028	.020	.015	.009	.007	.005		
10.0	.077	.052	.035	.066	.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: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-RA90-12D						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	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						-28.6	-28.0	-28.4	-27.8	-27.7	-29.2	-28.7	-29.0	-28.5	-28.4
3H						-28.7	-28.2	-28.5	-28.0	-27.8	-29.4	-28.8	-29.1	-28.7	-28.5
4H						-28.8	-28.3	-28.5	-28.1	-27.8	-29.5	-29.0	-29.2	-28.7	-28.5
6H						-28.9	-28.4	-28.6	-28.1	-27.9	-29.5	-29.1	-29.3	-28.8	-28.6
8H						-28.9	-28.4	-28.6	-28.2	-27.9	-29.6	-29.1	-29.3	-28.9	-28.6
12H						-29.0	-28.5	-28.6	-28.2	-28.0	-29.6	-29.2	-29.3	-28.9	-28.7
4H 2H						-28.8	-28.3	-28.5	-28.1	-27.8	-29.5	-29.0	-29.2	-28.7	-28.5
3H						-29.0	-28.5	-28.6	-28.2	-28.0	-29.6	-29.2	-29.3	-28.9	-28.7
4H						-29.0	-28.6	-28.7	-28.3	-28.0	-29.7	-29.3	-29.4	-29.0	-28.7
6H						-29.2	-28.8	-28.8	-28.5	-28.1	-29.8	-29.5	-29.5	-29.1	-28.8
8H						-29.2	-28.9	-28.8	-28.5	-28.1	-29.9	-29.5	-29.5	-29.2	-28.8
12H						-29.3	-28.9	-28.9	-28.6	-28.2	-30.0	-29.6	-29.5	-29.3	-28.9
8H 4H						-29.2	-28.9	-28.8	-28.5	-28.1	-29.9	-29.5	-29.5	-29.2	-28.8
6H						-29.3	-29.0	-28.9	-28.6	-28.2	-30.0	-29.7	-29.6	-29.3	-28.9
8H						-29.4	-29.1	-28.9	-28.7	-28.3	-30.1	-29.8	-29.6	-29.4	-29.0
12H						-29.5	-29.2	-29.0	-28.8	-28.3	-30.1	-29.9	-29.7	-29.5	-29.0
12H 4H						-29.3	-28.9	-28.9	-28.6	-28.2	-30.0	-29.6	-29.5	-29.3	-28.9
6H						-29.4	-29.1	-28.9	-28.7	-28.3	-30.1	-29.8	-29.6	-29.4	-29.0
8H						-29.5	-29.2	-29.0	-28.8	-28.3	-30.1	-29.9	-29.7	-29.5	-29.0
Variations with the observer position at spacings:															
S = 1.0H						+ 4.0 / - 1.\$					+ 3.6 / - 1.\$				
1.5H						+ 6.7 / - 1.\$					+ 6.3 / - 1.\$				
2.0H						+10.7 / - 1.\$					+ 8.9 / - 1.\$				

CIE Pub.117 Corrected 362.6 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-RA90-12D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

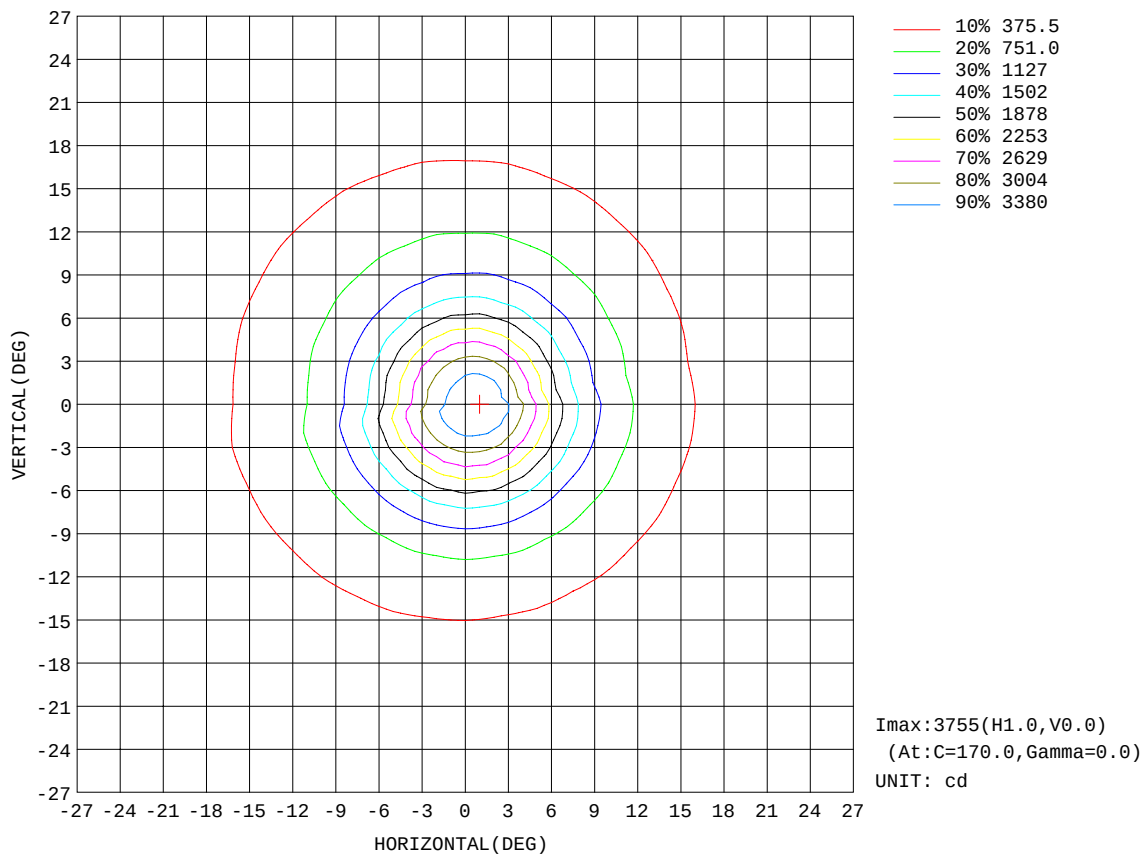
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	86	82	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	96	92	89	86
1.00	102	97	94	101	97	93	100	96	93	89
1.25	105	101	98	104	100	97	102	99	97	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	111	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 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-RA90-12D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

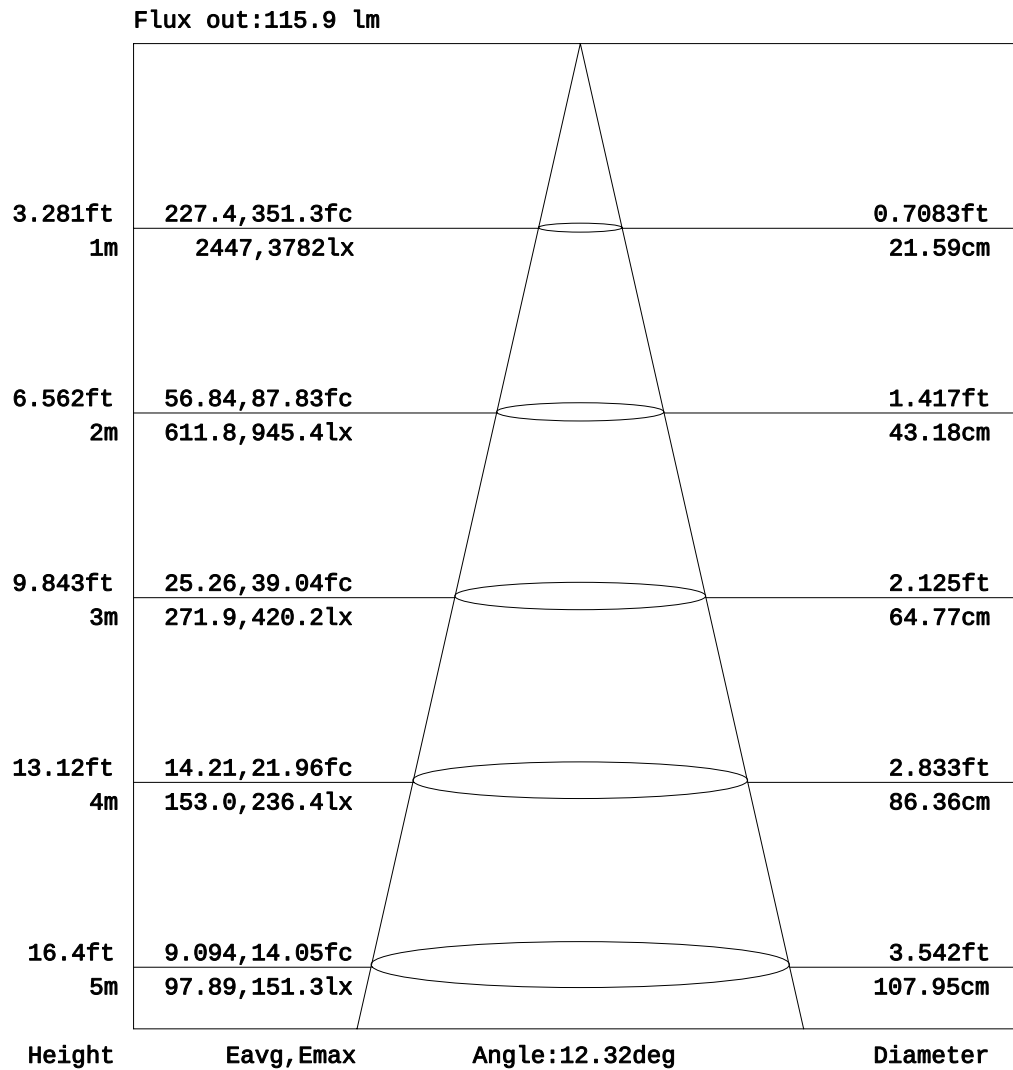


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-07

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-RA90-12D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



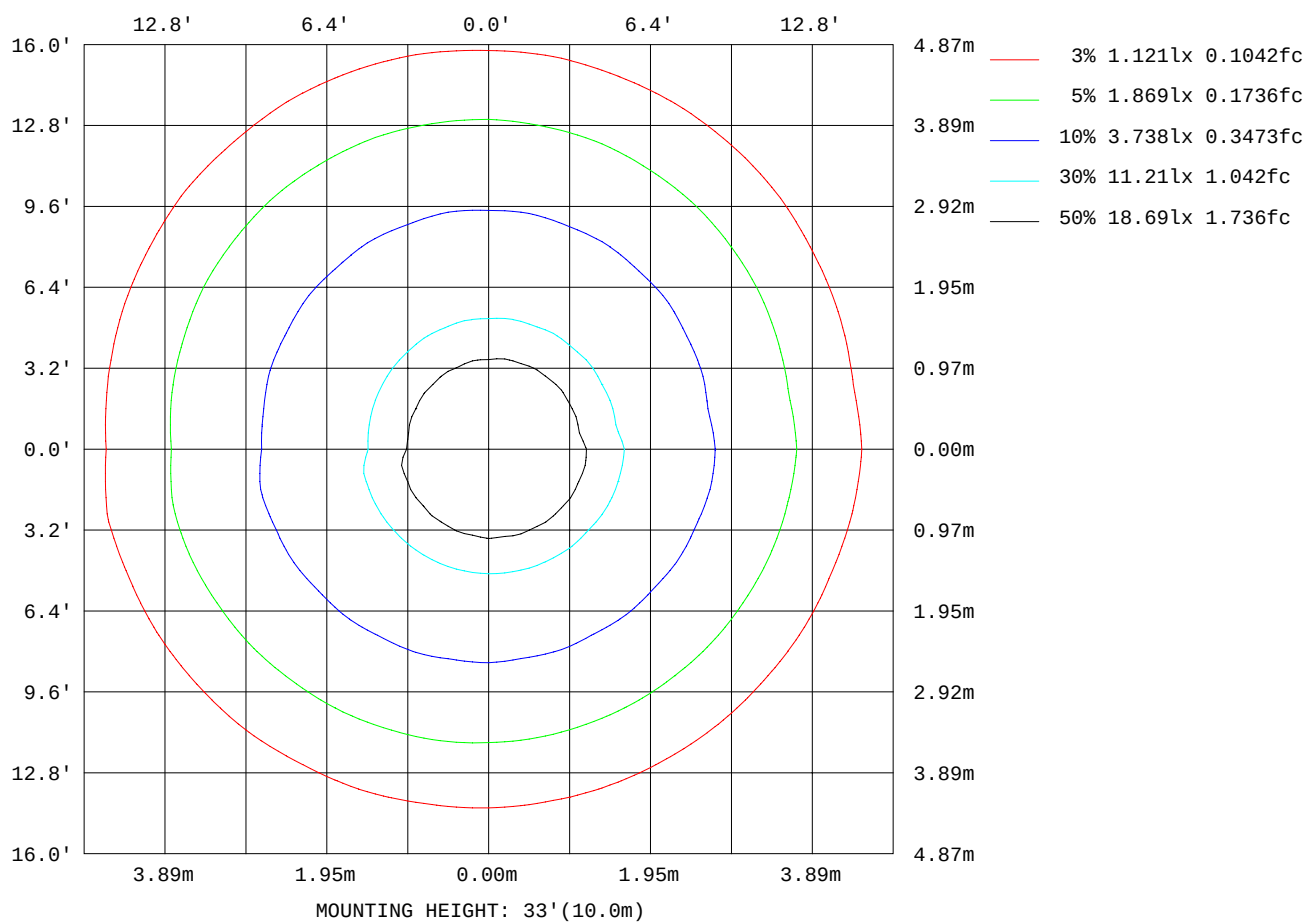
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-RA90-12D	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-RA90-12D	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	362.565	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum calculated	specified maximum	maximum measured	specified maximum
Category 1	55 to 90	0	200	---	500
Category 2	65 to 90	0	200	---	500
Category 3	75 to 90	0	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: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-RA90-12D	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	362.565	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	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	0	1000	1500	200	500
65 to 90	0	1000	1500	200	500

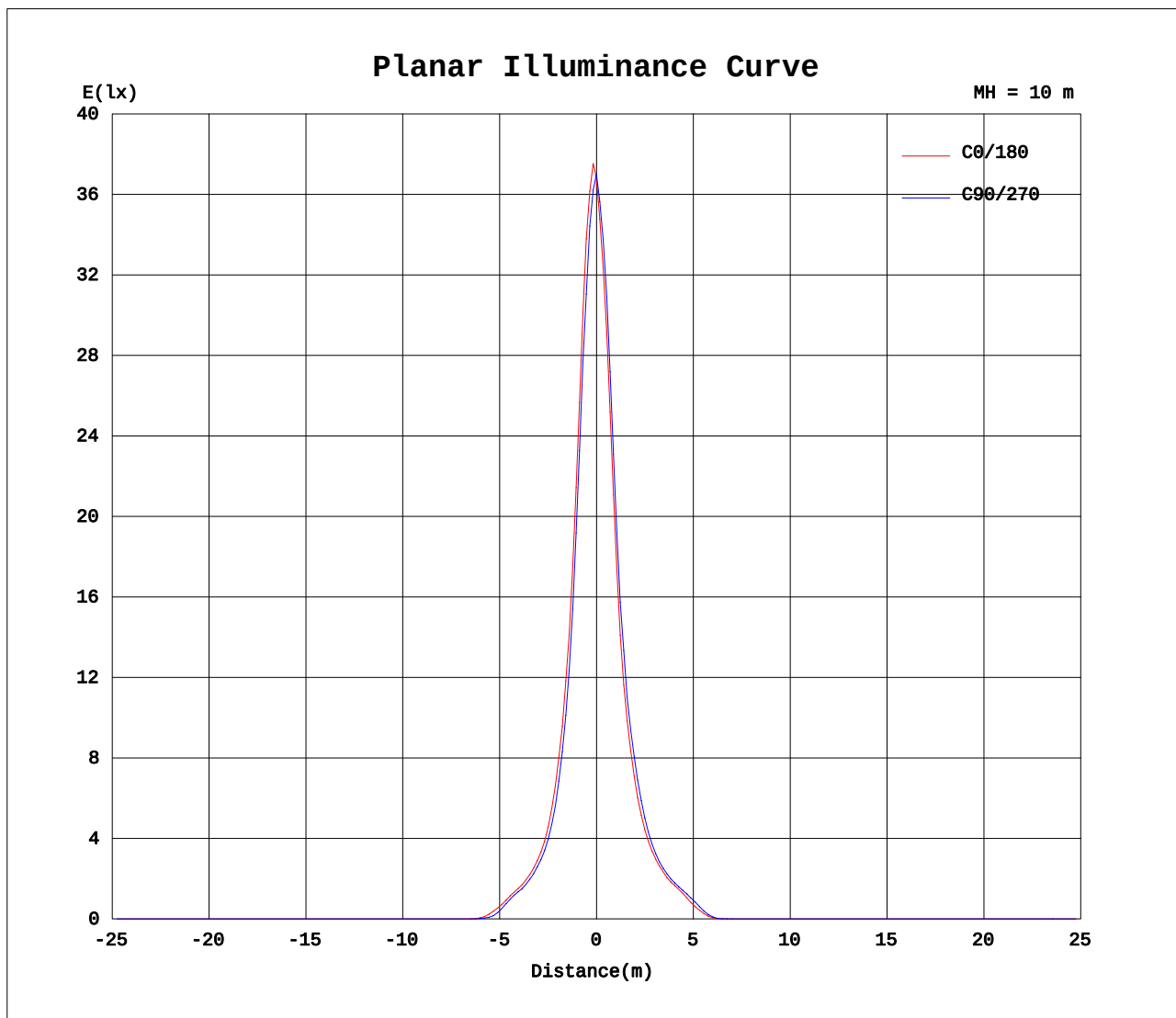
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

The luminaire satisfies the specified luminance criteria for
Negative Software with Type I & II Screen(Good to Moderate treatment).

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: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-RA90-12D	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	3685	3656	3672	3652	3669	3657	3674	3671	3687	3701	3712	3726	3733	3751	3754	3768	3769	3782	3685
5	2595	2612	2530	2541	2457	2466	2384	2402	2327	2353	2292	2324	2273	2312	2265	2316	2282	2338	2133
10	1002	998	959	953	917	914	883	886	861	871	855	872	862	885	880	908	909	939	877
15	430	423	406	400	386	384	374	376	371	378	377	387	390	403	408	425	431	449	430
20	235	227	222	216	212	208	207	205	207	208	213	216	222	226	234	240	248	255	248
25	126	122	114	112	108	107	103	103	100	103	105	112	116	124	127	136	140	150	142
30	19.2	17.3	13.7	12.2	9.86	9.31	8.04	8.02	7.39	7.91	7.95	9.11	9.88	12.2	13.8	18.6	21.9	27.6	21.9
35	0.98	0.92	0.93	0.86	0.88	0.83	0.86	0.82	0.85	0.82	0.87	0.85	0.91	0.89	0.95	0.94	1.00	1.00	0.93
40	0.40	0.36	0.41	0.36	0.41	0.36	0.40	0.33	0.35	0.29	0.35	0.32	0.38	0.36	0.41	0.36	0.37	0.30	0.26
45	0.10	0.06	0.12	0.09	0.16	0.11	0.14	0.06	0.08	0.01	0.07	0.03	0.11	0.08	0.14	0.07	0.08	0.02	0.01
50	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.04	0.00	0.02	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.02
145	0.12	0.17	0.14	0.18	0.15	0.20	0.16	0.20	0.16	0.20	0.15	0.19	0.13	0.18	0.13	0.16	0.10	0.14	0.18
150	0.40	0.45	0.42	0.47	0.45	0.50	0.46	0.51	0.47	0.50	0.46	0.50	0.44	0.47	0.43	0.45	0.40	0.43	0.47
155	0.90	0.95	0.94	0.99	0.97	1.02	0.99	1.03	1.01	1.04	1.01	1.03	0.99	1.02	0.97	0.99	0.95	0.96	0.98
160	1.54	1.58	1.57	1.61	1.59	1.64	1.61	1.66	1.63	1.67	1.63	1.66	1.61	1.64	1.60	1.62	1.56	1.58	1.54
165	1.98	2.04	2.00	2.05	2.03	2.07	2.04	2.08	2.04	2.08	2.04	2.08	2.02	2.06	2.00	2.04	1.98	2.02	1.96
170	2.22	2.24	2.22	2.22	2.23	2.21	2.23	2.20	2.21	2.21	2.22	2.23	2.20	2.18	2.20	2.20	2.20	2.22	2.17
175	2.27	2.26	2.27	2.25	2.25	2.22	2.25	2.22	2.23	2.21	2.22	2.22	2.21	2.20	2.21	2.21	2.24	2.24	2.20
180	2.24	2.23	2.22	2.19	2.19	2.18	2.18	2.18	2.18	2.18	2.19	2.18	2.18	2.18	2.19	2.18	2.21	2.21	2.20

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-RA90-12D	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	3656	3672	3652	3669	3657	3674	3671	3687	3701	3712	3726	3733	3751	3754	3768	3769	3782		
5	2110	2173	2159	2229	2220	2292	2277	2351	2335	2400	2381	2442	2414	2468	2424	2463	2408		
10	879	907	910	937	940	967	966	990	985	1002	992	1004	989	998	972	973	940		
15	434	450	453	467	468	480	478	487	480	483	471	471	455	453	435	430	413		
20	255	260	266	268	271	271	273	270	270	267	264	259	255	248	242	235	229		
25	149	157	163	167	170	171	171	169	168	164	161	157	153	147	136	131	120		
30	24.7	30.8	32.3	35.7	35.0	37.3	35.7	37.3	34.4	33.9	29.8	29.0	25.6	24.8	21.2	19.7	16.1		
35	1.01	1.03	1.10	1.13	1.19	1.20	1.25	1.23	1.23	1.19	1.21	1.15	1.13	1.06	1.03	0.95	0.93		
40	0.32	0.33	0.44	0.45	0.51	0.46	0.48	0.42	0.44	0.42	0.50	0.48	0.51	0.44	0.46	0.38	0.37		
45	0.06	0.03	0.12	0.13	0.19	0.12	0.13	0.07	0.11	0.08	0.14	0.12	0.19	0.14	0.16	0.07	0.10		
50	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00		
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.03	0.00		
145	0.12	0.16	0.10	0.14	0.09	0.13	0.09	0.13	0.08	0.13	0.09	0.15	0.11	0.16	0.13	0.18	0.15		
150	0.41	0.44	0.40	0.42	0.37	0.40	0.36	0.40	0.36	0.39	0.36	0.41	0.38	0.43	0.41	0.45	0.43		
155	0.93	0.95	0.90	0.92	0.88	0.90	0.86	0.89	0.85	0.89	0.86	0.90	0.87	0.93	0.91	0.95	0.94		
160	1.48	1.50	1.45	1.47	1.42	1.45	1.42	1.45	1.41	1.45	1.42	1.46	1.44	1.48	1.46	1.51	1.50		
165	1.90	1.92	1.86	1.89	1.85	1.89	1.84	1.88	1.84	1.89	1.85	1.91	1.88	1.93	1.90	1.95	1.93		
170	2.13	2.13	2.10	2.12	2.09	2.12	2.08	2.09	2.07	2.12	2.10	2.12	2.12	2.15	2.16	2.19	2.17		
175	2.19	2.17	2.15	2.14	2.13	2.14	2.12	2.13	2.12	2.14	2.14	2.14	2.16	2.18	2.20	2.20	2.23		
180	2.20	2.20	2.16	2.17	2.15	2.15	2.14	2.14	2.14	2.15	2.15	2.15	2.16	2.16	2.20	2.20	2.23		

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%
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Remarks: