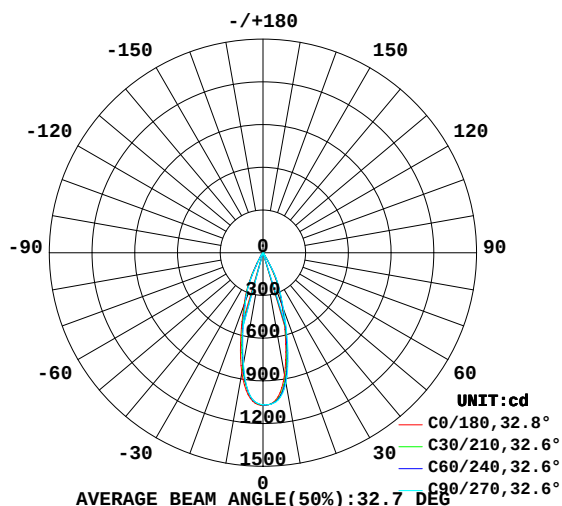


LUMINAIRE PHOTOMETRIC TEST REPORT

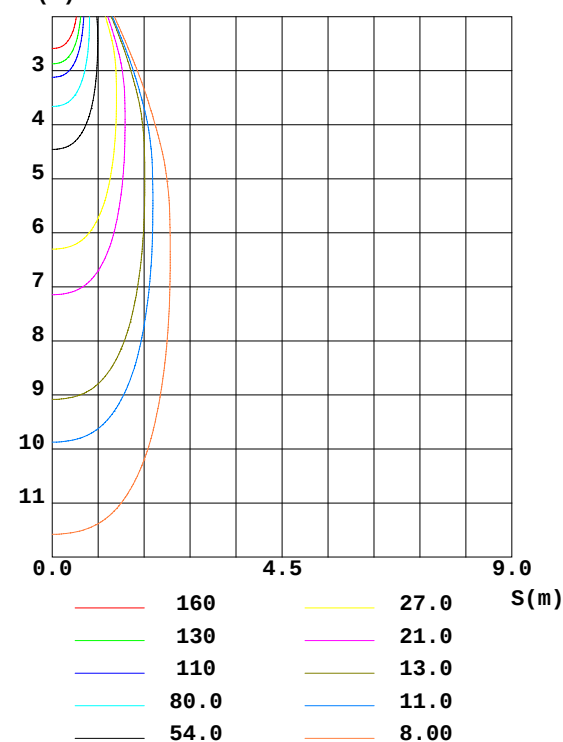
NAME: CL-Fold03 3000k-RA90-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 84.69 lm/W			
MODEL		I _{max} (cd)	1072	S/MH(C0/180)	0.55
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	382.10	η UP, DN(C0-180)	0.2, 52.9
NOMINAL FLUX(lm)	382.101	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 46.8
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.7	CIBSE SHR MAX	0.60

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:2022-04-03

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	871.9	906.1	930.2	906.2	856.1	811.0	793.0	813.3	0- 10	92.94	92.94	24.3, 24.3
20	389.1	406.3	421.3	415.7	389.6	367.0	356.0	360.0	10- 20	165.7	258.6	67.7, 67.7
30	80.81	96.34	104.9	101.0	83.26	69.89	59.93	57.79	20- 30	103.5	362.1	94.8, 94.8
40	2.874	5.870	5.151	10.45	9.635	12.49	7.045	6.679	30- 40	17.63	379.8	99.4, 99.4
50	0	0	0	0	0	0.0000	0	0.0000	40- 50	1.065	380.8	99.7, 99.7
60	0	0	0	0	0	0	0	0	50- 60	0.0000	380.8	99.7, 99.7
70	0	0	0	0	0	0	0	0	60- 70	0	380.8	99.7, 99.7
80	0	0	0	0	0	0	0	0	70- 80	0	380.8	99.7, 99.7
90	0	0	0	0	0	0	0	0	80- 90	0	380.8	99.7, 99.7
100	0	0	0	0	0	0	0	0	90-100	0	380.8	99.7, 99.7
110	0	0	0	0	0	0	0	0	100-110	0	380.8	99.7, 99.7
120	0	0	0	0	0	0	0	0	110-120	0	380.8	99.7, 99.7
130	0	0	0	0	0	0	0	0	120-130	0	380.8	99.7, 99.7
140	0.0799	0.0920	0.0947	0.0730	0.1280	0.1252	0.1176	0.1464	130-140	0.0154	380.8	99.7, 99.7
150	0.5939	0.5710	0.5622	0.5427	0.6191	0.6444	0.6461	0.6632	140-150	0.2019	381.0	99.7, 99.7
160	1.288	1.258	1.251	1.220	1.294	1.312	1.311	1.322	150-160	0.4255	381.5	99.8, 99.8
170	1.878	1.864	1.855	1.829	1.898	1.874	1.864	1.871	160-170	0.4415	381.9	100, 100
180	2.157	2.133	2.124	2.112	2.161	2.133	2.119	2.109	170-180	0.1897	382.1	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

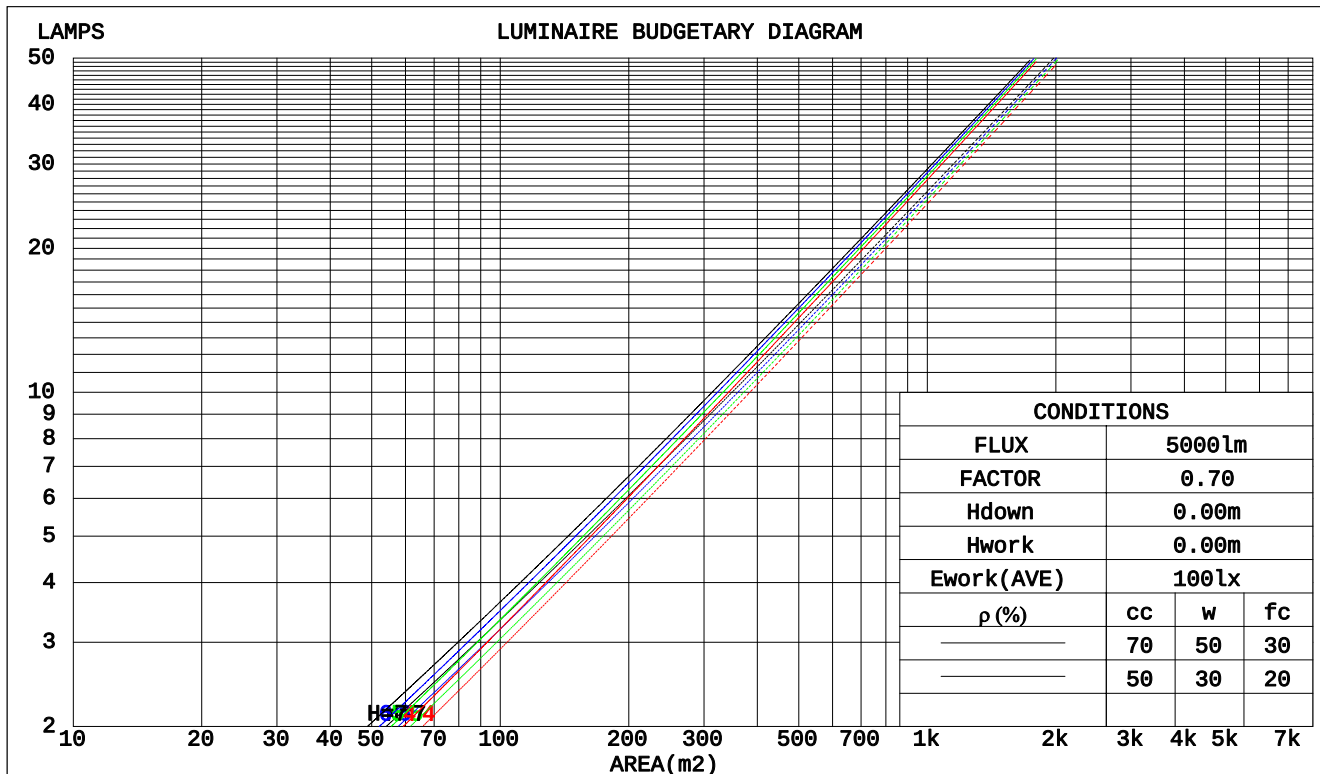
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: tang
 Test Date: 2022-04-03

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-RA90-34D	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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.07	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.97	.94	1.00	.96	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84
5.0	.93	.88	.85	.92	.88	.84	.90	.86	.84	.89	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.85	.82	.80	.84	.81	.79	.78
7.0	.85	.81	.77	.85	.80	.77	.84	.80	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.78	.74	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
9.0	.79	.75	.72	.79	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.71	.70
10.0	.76	.72	.69	.76	.72	.69	.75	.71	.69	.75	.71	.68	.74	.71	.68	.67



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-03

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-RA90-34D	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 Coefficients(WEC)										
0.0																	
1.0	.146	.083	.026	.139	.079	.025	.127	.073	.023	.115	.066	.021	.104	.061	.020		
2.0	.137	.075	.023	.131	.072	.022	.120	.067	.021	.111	.062	.019	.102	.058	.018		
3.0	.128	.068	.020	.124	.066	.020	.115	.062	.019	.107	.058	.018	.099	.055	.017		
4.0	.121	.063	.018	.117	.061	.018	.110	.058	.017	.103	.055	.017	.096	.052	.016		
5.0	.115	.058	.017	.111	.057	.017	.105	.055	.016	.099	.052	.016	.093	.050	.015		
6.0	.109	.055	.016	.106	.054	.015	.101	.052	.015	.095	.050	.015	.090	.048	.014		
7.0	.104	.051	.015	.102	.051	.014	.097	.049	.014	.092	.047	.014	.088	.046	.013		
8.0	.100	.049	.014	.097	.048	.014	.093	.047	.013	.089	.045	.013	.085	.044	.013		
9.0	.096	.046	.013	.094	.046	.013	.090	.044	.013	.086	.043	.012	.083	.042	.012		
10.0	.092	.044	.012	.090	.044	.012	.087	.042	.012	.083	.041	.012	.080	.040	.012		

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.172	.160	.150	.147	.137	.129	.100	.095	.089	.058	.055	.052	.019	.018	.017		
2.0	.154	.135	.119	.132	.116	.103	.090	.081	.072	.052	.047	.042	.017	.015	.014		
3.0	.140	.116	.097	.120	.100	.084	.082	.069	.059	.048	.041	.035	.015	.013	.011		
4.0	.128	.101	.080	.110	.087	.070	.075	.061	.049	.044	.036	.029	.014	.012	.010		
5.0	.118	.089	.067	.101	.077	.058	.070	.054	.041	.040	.031	.024	.013	.010	.008		
6.0	.109	.079	.057	.094	.068	.049	.065	.048	.035	.038	.028	.021	.012	.009	.007		
7.0	.102	.071	.049	.088	.061	.042	.061	.043	.030	.035	.025	.018	.011	.008	.006		
8.0	.096	.064	.042	.083	.056	.037	.057	.039	.026	.033	.023	.016	.011	.008	.005		
9.0	.091	.059	.037	.078	.051	.032	.054	.036	.023	.032	.021	.014	.010	.007	.005		
10.0	.086	.054	.033	.074	.047	.029	.051	.033	.020	.030	.020	.012	.010	.006	.004		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: Fold03-3000k-RA90-34D						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	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						-7.8	-7.1	-7.6	-6.9	-6.7	-7.5	-6.7	-7.2	-6.6	-6.4
3H						-7.9	-7.3	-7.7	-7.1	-6.9	-7.6	-6.9	-7.4	-6.7	-6.6
4H						-8.0	-7.4	-7.8	-7.2	-7.0	-7.7	-7.1	-7.4	-6.8	-6.6
6H						-8.1	-7.5	-7.8	-7.3	-7.0	-7.8	-7.2	-7.5	-6.9	-6.7
8H						-8.2	-7.6	-7.8	-7.3	-7.1	-7.8	-7.2	-7.5	-7.0	-6.7
12H						-8.2	-7.6	-7.9	-7.4	-7.1	-7.9	-7.3	-7.6	-7.0	-6.8
4H 2H						-8.0	-7.4	-7.8	-7.2	-7.0	-7.7	-7.1	-7.4	-6.8	-6.6
3H						-8.2	-7.6	-7.9	-7.4	-7.1	-7.9	-7.3	-7.6	-7.0	-6.8
4H						-8.3	-7.8	-8.0	-7.5	-7.2	-8.0	-7.5	-7.6	-7.2	-6.9
6H						-8.4	-7.9	-8.0	-7.6	-7.3	-8.1	-7.6	-7.7	-7.3	-6.9
8H						-8.4	-8.0	-8.1	-7.7	-7.3	-8.1	-7.7	-7.7	-7.4	-7.0
12H						-8.5	-8.1	-8.1	-7.8	-7.4	-8.2	-7.8	-7.8	-7.4	-7.0
8H 4H						-8.4	-8.0	-8.1	-7.7	-7.3	-8.1	-7.7	-7.7	-7.4	-7.0
6H						-8.6	-8.2	-8.1	-7.8	-7.4	-8.2	-7.9	-7.8	-7.5	-7.1
8H						-8.6	-8.3	-8.2	-7.9	-7.5	-8.3	-8.0	-7.8	-7.6	-7.1
12H						-8.7	-8.4	-8.2	-8.0	-7.5	-8.4	-8.1	-7.9	-7.6	-7.2
12H 4H						-8.5	-8.1	-8.1	-7.8	-7.4	-8.2	-7.8	-7.8	-7.4	-7.0
6H						-8.6	-8.3	-8.2	-7.9	-7.5	-8.3	-8.0	-7.8	-7.6	-7.1
8H						-8.7	-8.4	-8.2	-8.0	-7.5	-8.4	-8.1	-7.9	-7.6	-7.2
Variations with the observer position at spacings:															
S = 1.0H						+ 4.3 / - 1.\$					+ 4.3 / - 1.\$				
1.5H						+ 7.1 / - 1.\$					+ 7.1 / - 1.\$				
2.0H						+11.4 / - 1.\$					+ 9.6 / - 1.\$				

CIE Pub.117 Corrected 382.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.3)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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-RA90-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

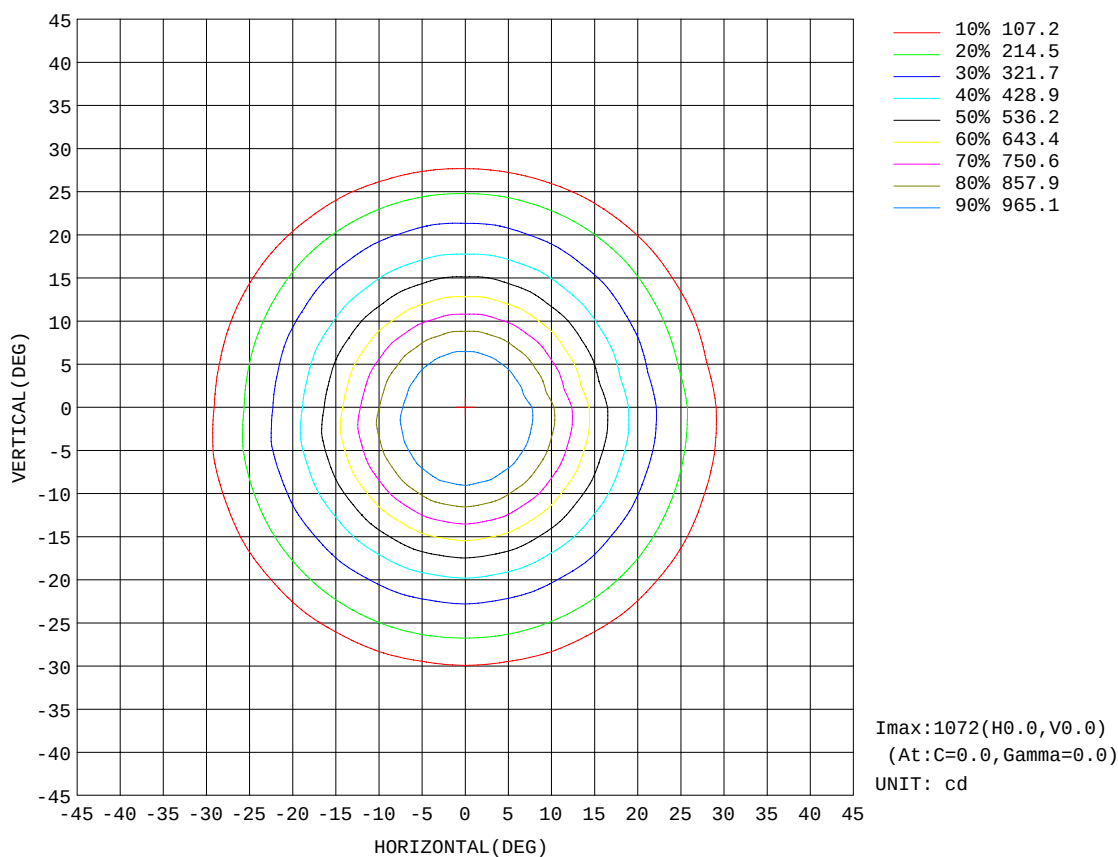
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	86	82	91	85	82	90	85	82	79
0.80	98	93	90	97	93	90	96	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	108	105	104	98
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: 2022-04-03

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-RA90-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

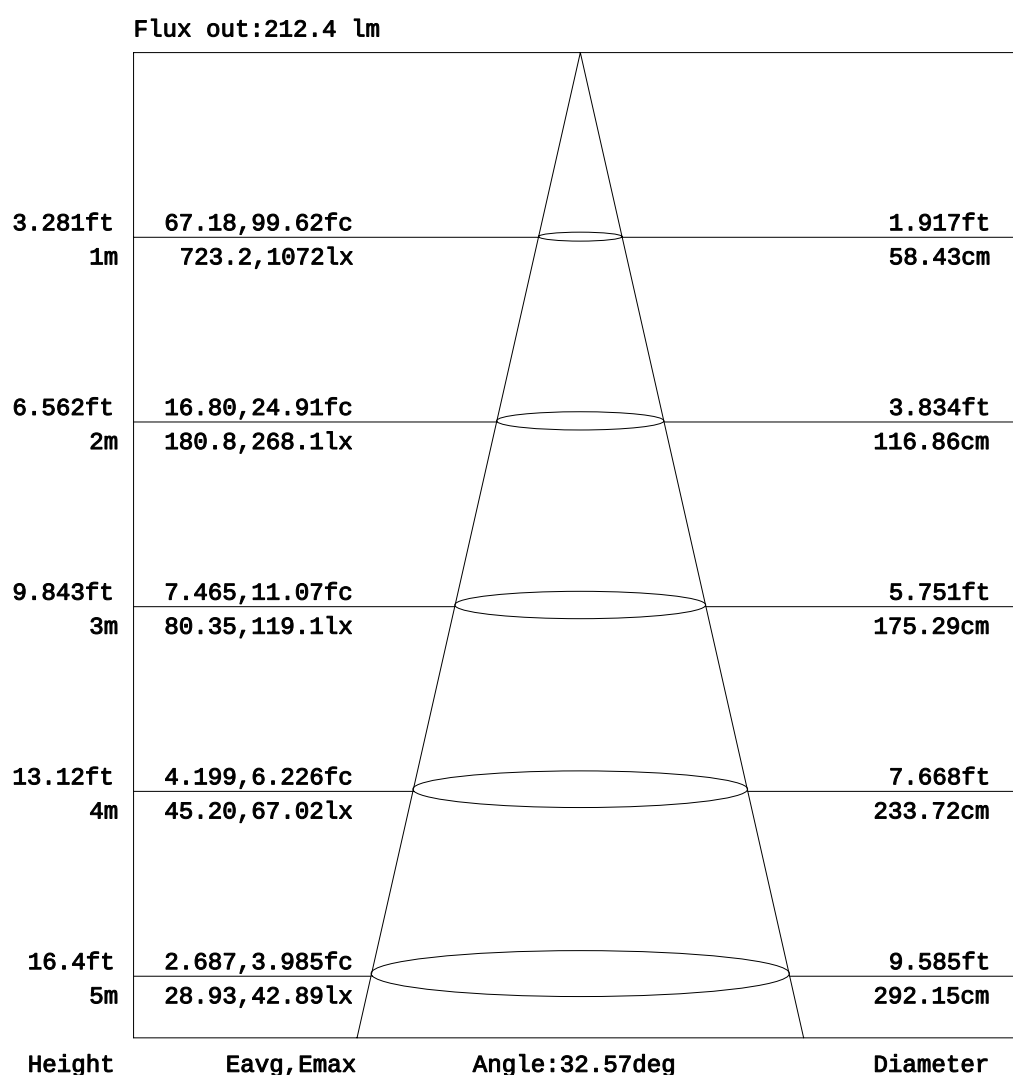


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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-RA90-34D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



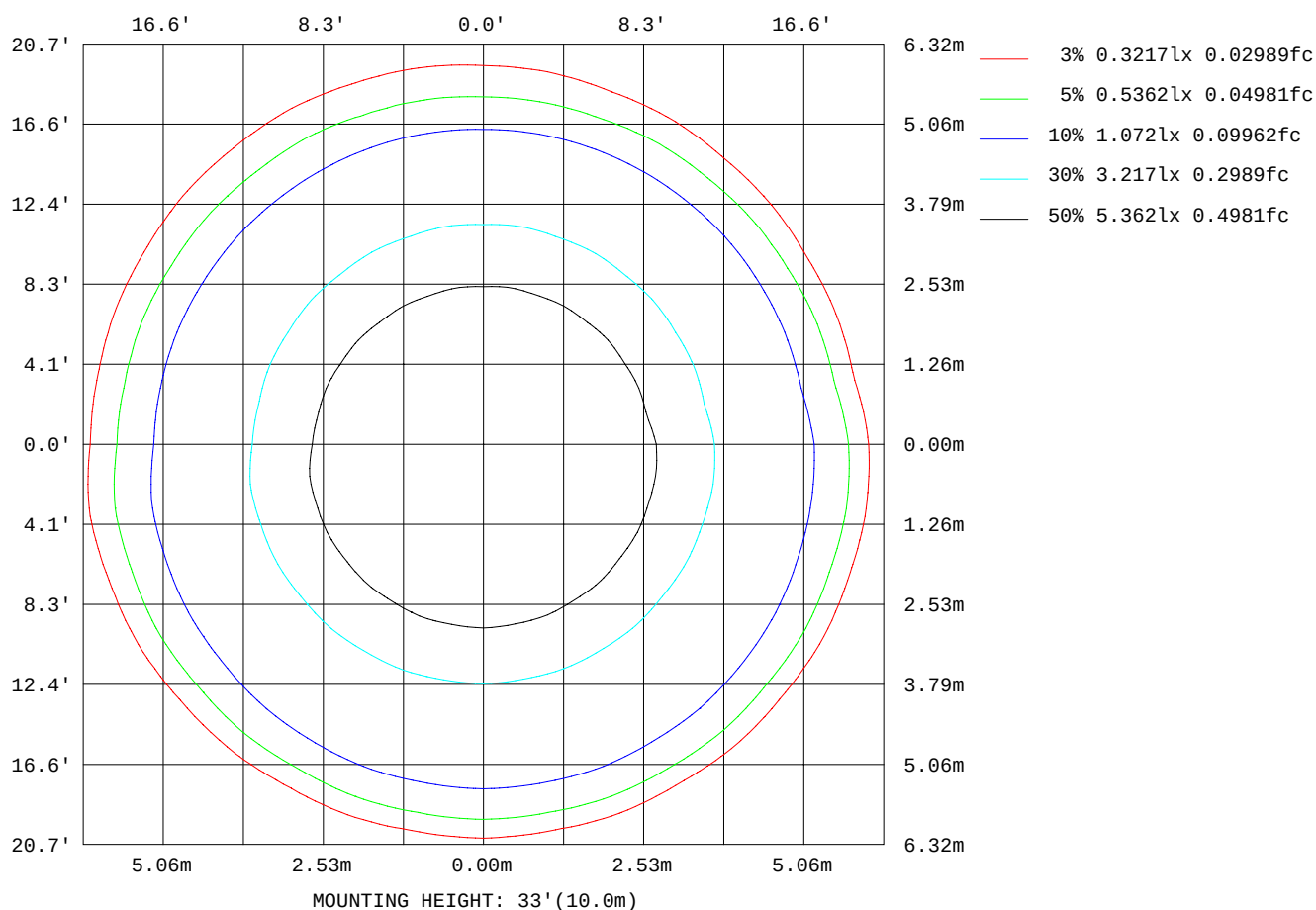
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-03

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-RA90-34D	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: 2022-04-03

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-RA90-34D	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	382.101	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:2022-04-03

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-RA90-34D	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	382.101	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

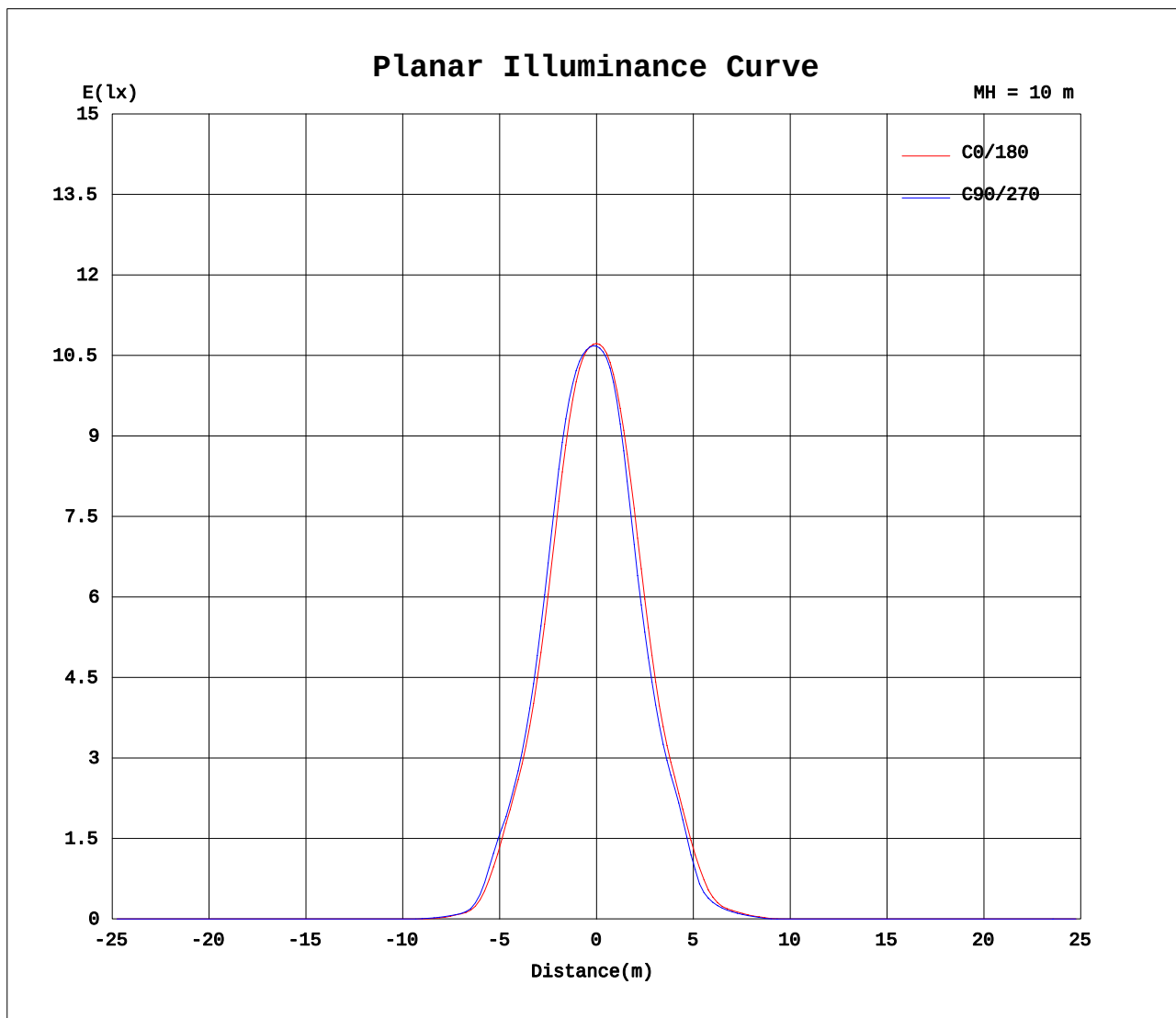
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:2022-04-03

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: 2022-04-03

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-RA90-34D	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	1072	1071	1070	1070	1069	1069	1069	1068	1068	1067	1067	1067	1067	1067	1067	1067	1067	1067	1072
5	1038	1041	1042	1045	1045	1048	1049	1051	1050	1051	1050	1050	1048	1046	1042	1039	1034	1033	1026
10	872	884	886	897	901	912	913	923	924	930	927	927	917	913	900	895	883	880	856
15	610	622	623	635	637	649	651	663	661	670	664	667	657	657	647	645	633	630	603
20	389	396	396	402	402	410	411	417	416	421	418	422	417	419	413	414	408	408	390
25	240	243	246	248	252	253	255	256	258	257	259	260	262	260	261	260	259	255	236
30	80.8	88.2	88.4	93.9	93.7	99.0	98.8	104	102	105	102	104	99.9	103	99.2	102	97.8	98.1	83.3
35	17.7	17.2	17.0	18.0	17.1	17.2	17.3	18.3	17.8	18.8	19.9	21.8	23.2	24.7	25.6	27.3	28.3	30.1	29.0
40	2.87	3.72	4.05	5.33	5.80	5.94	5.65	5.43	4.74	5.15	5.72	7.96	9.04	10.0	10.9	11.8	11.3	10.4	9.64
45	0.00	0.00	0.02	0.05	0.29	0.34	0.11	0.00	0.02	0.00	0.05	0.08	0.52	1.27	1.32	0.49	0.13	0.04	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.08	0.13	0.08	0.11	0.07	0.11	0.06	0.10	0.05	0.09	0.04	0.09	0.04	0.09	0.05	0.10	0.05	0.09	0.13
145	0.30	0.34	0.28	0.32	0.27	0.30	0.26	0.30	0.24	0.29	0.24	0.29	0.24	0.29	0.25	0.29	0.25	0.30	0.34
150	0.59	0.62	0.57	0.60	0.56	0.59	0.53	0.57	0.52	0.56	0.52	0.56	0.52	0.56	0.52	0.57	0.54	0.59	0.62
155	0.93	0.97	0.91	0.94	0.89	0.92	0.88	0.91	0.86	0.91	0.86	0.89	0.86	0.90	0.86	0.90	0.88	0.91	0.95
160	1.29	1.32	1.26	1.29	1.25	1.27	1.23	1.26	1.21	1.25	1.20	1.25	1.20	1.24	1.20	1.25	1.22	1.27	1.29
165	1.62	1.65	1.60	1.63	1.58	1.61	1.55	1.59	1.54	1.58	1.53	1.58	1.52	1.57	1.52	1.57	1.53	1.60	1.62
170	1.88	1.92	1.86	1.90	1.85	1.88	1.83	1.87	1.83	1.86	1.82	1.86	1.81	1.85	1.80	1.85	1.81	1.87	1.90
175	2.06	2.11	2.05	2.09	2.03	2.08	2.02	2.07	2.01	2.05	2.01	2.05	2.00	2.05	2.00	2.05	2.01	2.07	2.10
180	2.16	2.16	2.14	2.15	2.13	2.13	2.12	2.12	2.11	2.12	2.11	2.11	2.11	2.12	2.10	2.11	2.12	2.13	2.16

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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-RA90-34D	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 (°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1071	1070	1070	1069	1069	1069	1068	1068	1067	1067	1067	1067	1067	1067	1067	1067	1067		
5	1020	1019	1015	1016	1013	1014	1012	1014	1012	1014	1012	1015	1013	1016	1015	1019	1020		
10	842	837	822	817	805	804	794	798	793	800	798	807	808	819	821	833	836		
15	587	582	567	562	550	550	543	545	540	547	543	550	549	560	561	573	575		
20	381	379	372	371	363	364	358	360	356	359	356	359	357	363	362	368	367		
25	232	227	223	222	217	214	211	209	205	206	205	208	209	211	211	215	218		
30	79.0	77.6	73.0	71.7	68.1	67.0	63.6	62.8	59.9	59.4	57.3	58.1	57.0	58.5	58.1	61.9	64.0		
35	29.4	30.0	29.2	28.8	28.2	27.8	26.3	26.2	24.5	23.5	21.5	21.1	19.4	18.5	17.6	17.1	16.3		
40	9.92	11.6	12.4	12.8	12.2	11.1	8.99	7.96	7.04	6.94	7.13	7.48	6.84	6.52	5.62	4.43	2.26		
45	0.05	0.14	0.40	0.52	0.31	0.05	0.06	0.00	0.05	0.03	0.11	0.08	0.11	0.02	0.02	0.00	0.00		
50	0.00	0.00	0.00	0.00	0.00	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		
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	0.01	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00		
140	0.08	0.14	0.10	0.15	0.10	0.16	0.12	0.17	0.12	0.17	0.12	0.16	0.12	0.17	0.12	0.16	0.11		
145	0.31	0.35	0.33	0.37	0.33	0.37	0.34	0.39	0.36	0.40	0.35	0.40	0.34	0.39	0.34	0.38	0.33		
150	0.59	0.64	0.61	0.66	0.63	0.68	0.64	0.69	0.65	0.69	0.65	0.69	0.64	0.69	0.64	0.67	0.62		
155	0.92	0.97	0.94	0.99	0.95	1.01	0.98	1.02	0.98	1.02	0.99	1.02	0.97	1.02	0.97	1.01	0.94		
160	1.25	1.30	1.27	1.33	1.30	1.34	1.31	1.36	1.31	1.35	1.31	1.35	1.30	1.34	1.30	1.33	1.28		
165	1.57	1.62	1.59	1.64	1.60	1.65	1.62	1.66	1.63	1.66	1.62	1.65	1.61	1.65	1.60	1.64	1.59		
170	1.84	1.89	1.84	1.90	1.85	1.90	1.86	1.91	1.86	1.91	1.86	1.90	1.84	1.90	1.85	1.89	1.84		
175	2.05	2.08	2.03	2.08	2.03	2.09	2.03	2.08	2.03	2.09	2.03	2.08	2.03	2.08	2.02	2.07	2.03		
180	2.15	2.16	2.13	2.14	2.13	2.13	2.12	2.12	2.12	2.12	2.12	2.12	2.11	2.11	2.11	2.11	2.13		

C Range: 0 - 360DEG
C Interval: 10.0DEG
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