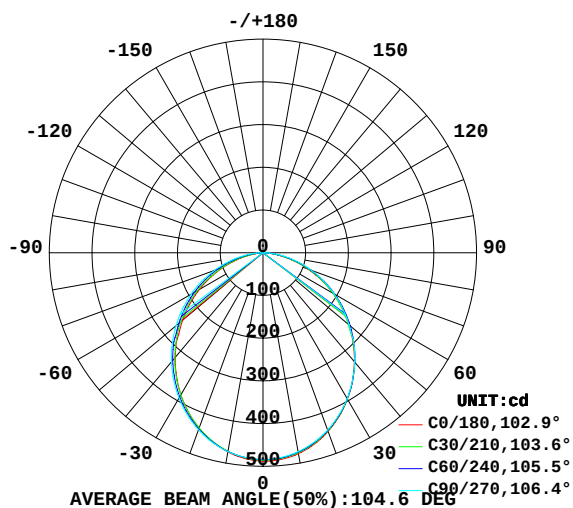


LUMINAIRE PHOTOMETRIC TEST REPORT

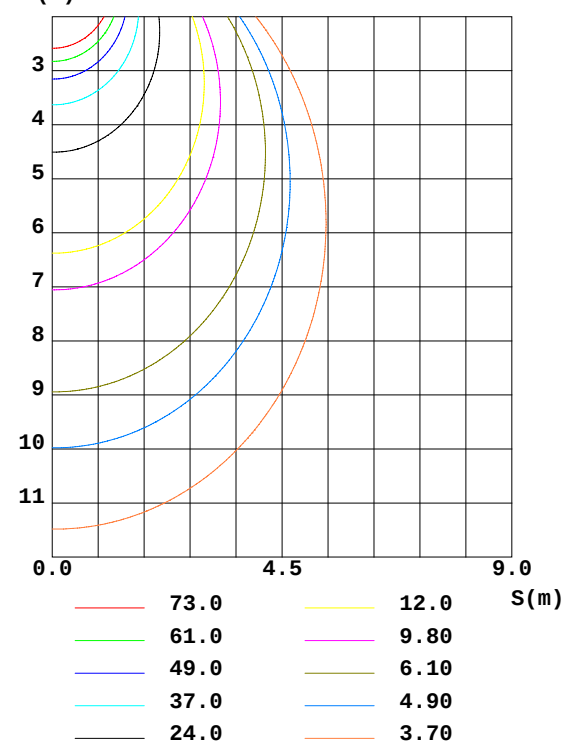
NAME: CL-Fold32 3000k-16w-Ra90-diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.58 lm/W			
MODEL		I _{max} (cd)	487.8	S/MH(C0/180)	1.21
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1269.7	η UP, DN(C0-180)	0.2, 50.0
NOMINAL FLUX(lm)	1269.73	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.6
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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	477.6	474.9	473.0	470.7	473.4	471.9	472.6	472.8	0- 10	45.69	45.69	3.6,3.6
20	445.3	443.5	441.9	437.1	437.3	437.8	441.1	441.0	10- 20	129.4	175.0	13.8,13.8
30	395.3	394.9	394.1	386.8	384.4	387.1	393.1	392.3	20- 30	192.1	367.1	28.9,28.9
40	333.0	334.1	334.3	324.9	319.7	324.8	333.2	331.6	30- 40	225.7	592.9	46.7,46.7
50	263.1	263.7	263.2	253.8	245.5	253.7	265.8	261.5	40- 50	227.2	820.1	64.6,64.6
60	189.4	191.4	192.4	181.5	171.9	181.3	194.5	189.6	50- 60	199.0	1019	80.3,80.3
70	112.6	117.1	120.9	107.6	97.91	107.5	120.8	116.0	60- 70	147.7	1167	91.9,91.9
80	42.57	46.52	52.39	38.29	29.36	38.15	52.70	46.02	70- 80	81.47	1248	98.3,98.3
90	0.0055	0.0193	0.0331	0.0166	0.0238	0.0307	0.0681	0.0219	80- 90	17.09	1265	99.7,99.7
100	0.0989	0.1369	0.1984	0.1674	0.1889	0.1700	0.1696	0.1463	90-100	0.0839	1265	99.7,99.7
110	0.3064	0.3515	0.4201	0.3798	0.4060	0.3894	0.3915	0.3517	100-110	0.2758	1266	99.7,99.7
120	0.5425	0.5922	0.6750	0.6252	0.6421	0.6371	0.6416	0.6017	110-120	0.4881	1266	99.7,99.7
130	0.7972	0.8517	0.9252	0.8683	0.8971	0.8919	0.9010	0.8589	120-130	0.6660	1267	99.8,99.8
140	1.047	1.095	1.170	1.111	1.147	1.135	1.142	1.104	130-140	0.7670	1268	99.8,99.8
150	1.274	1.324	1.378	1.331	1.369	1.350	1.350	1.328	140-150	0.7681	1268	99.9,99.9
160	1.491	1.520	1.562	1.520	1.567	1.534	1.529	1.520	150-160	0.6608	1269	100,100
170	1.666	1.678	1.694	1.673	1.737	1.689	1.661	1.675	160-170	0.4539	1270	100,100
180	1.774	1.741	1.732	1.732	1.789	1.744	1.737	1.732	170-180	0.1632	1270	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

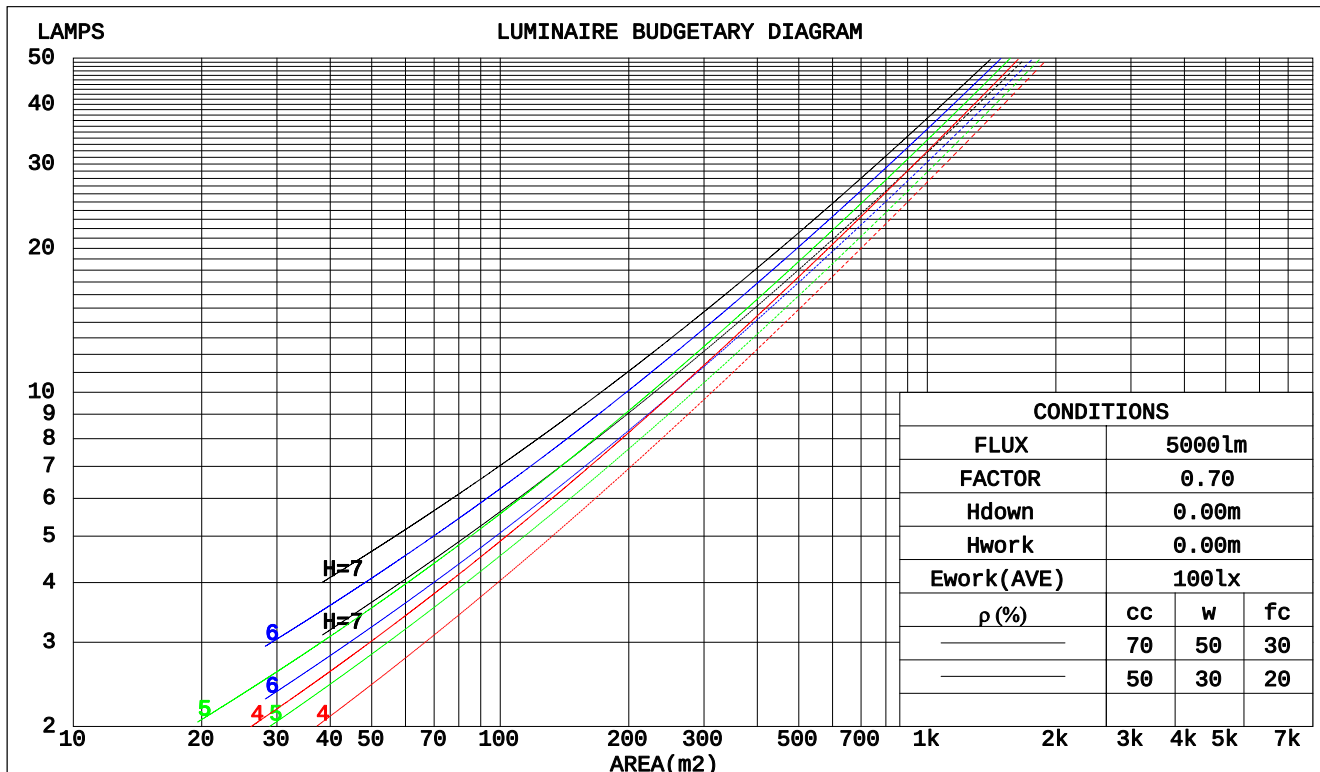
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	1.00	.97	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.85	.79	.89	.83	.78	.86	.81	.76	.82	.78	.74	.79	.76	.73	.71
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.68	.63	.70	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.67	.60	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.48	.63	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.46	.44
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.46	.41	.51	.46	.41	.39
7.0	.52	.44	.38	.51	.43	.37	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.298	.170	.054	.291	.166	.053	.278	.159	.051	.265	.153	.049	.254	.147	.047		
2.0	.283	.155	.048	.277	.152	.047	.265	.147	.046	.254	.143	.045	.244	.138	.044		
3.0	.263	.140	.042	.258	.138	.042	.247	.134	.041	.238	.130	.040	.229	.127	.039		
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.221	.119	.036	.213	.116	.035		
5.0	.226	.115	.033	.221	.114	.033	.213	.111	.033	.206	.108	.032	.198	.106	.032		
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.185	.098	.029		
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.179	.092	.027	.174	.090	.027		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.077	.022	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.021		

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	.182	.159	.138	.156	.136	.119	.107	.094	.082	.061	.054	.048	.020	.017	.015		
2.0	.174	.135	.102	.149	.116	.088	.102	.080	.061	.059	.047	.036	.019	.015	.012		
3.0	.166	.117	.078	.142	.101	.068	.098	.070	.047	.056	.041	.028	.018	.013	.009		
4.0	.158	.104	.062	.136	.089	.054	.093	.062	.038	.054	.037	.022	.017	.012	.007		
5.0	.151	.093	.051	.129	.081	.044	.089	.056	.031	.052	.033	.018	.017	.011	.006		
6.0	.144	.085	.042	.123	.073	.037	.085	.051	.026	.049	.030	.016	.016	.010	.005		
7.0	.137	.078	.036	.118	.067	.032	.081	.047	.022	.047	.028	.013	.015	.009	.004		
8.0	.131	.072	.032	.112	.062	.028	.078	.044	.020	.045	.026	.012	.015	.008	.004		
9.0	.125	.067	.028	.107	.058	.025	.074	.041	.017	.043	.024	.010	.014	.008	.003		
10.0	.119	.063	.025	.102	.054	.022	.071	.038	.016	.041	.023	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-06

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: Fold32-3000K-RA90-Diffuse						TYPE:					WEIGHT:				
DIM.:						SPEC.:					SERIAL No.:				
MFR.: 0						SUR.:					PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3					
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3					
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2					
Room dimensions						Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.6	19.1	17.8	19.3	19.5	17.7	19.2	18.0	19.4	19.6					
3H	19.0	20.3	19.3	20.6	20.8	19.2	20.6	19.5	20.8	21.1					
4H	19.5	20.8	19.8	21.1	21.3	19.8	21.1	20.1	21.4	21.7					
6H	19.8	21.1	20.2	21.4	21.6	20.3	21.5	20.6	21.8	22.1					
8H	19.9	21.1	20.3	21.4	21.7	20.4	21.6	20.8	21.9	22.2					
12H	19.9	21.1	20.3	21.4	21.7	20.5	21.6	20.8	21.9	22.2					
4H 2H	18.2	19.5	18.5	19.7	20.0	18.3	19.6	18.6	19.9	20.1					
3H	19.8	20.9	20.1	21.2	21.5	20.0	21.1	20.3	21.4	21.7					
4H	20.4	21.4	20.8	21.8	22.1	20.7	21.8	21.1	22.1	22.4					
6H	20.9	21.8	21.3	22.1	22.5	21.3	22.2	21.7	22.6	23.0					
8H	21.0	21.8	21.4	22.2	22.6	21.5	22.4	21.9	22.7	23.1					
12H	21.0	21.8	21.4	22.2	22.6	21.6	22.4	22.0	22.8	23.2					
8H 4H	20.7	21.5	21.1	21.9	22.3	21.0	21.8	21.4	22.2	22.6					
6H	21.2	22.0	21.7	22.4	22.8	21.7	22.4	22.1	22.8	23.2					
8H	21.4	22.1	21.9	22.5	22.9	21.9	22.6	22.4	23.0	23.5					
12H	21.5	22.0	22.0	22.5	23.0	22.1	22.7	22.6	23.1	23.6					
12H 4H	20.7	21.5	21.1	21.9	22.3	21.0	21.7	21.4	22.1	22.5					
6H	21.3	21.9	21.8	22.4	22.8	21.7	22.3	22.2	22.8	23.2					
8H	21.5	22.0	22.0	22.5	23.0	22.0	22.5	22.5	23.0	23.5					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2									
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3									
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3									

CIE Pub.117 Corrected 1270 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

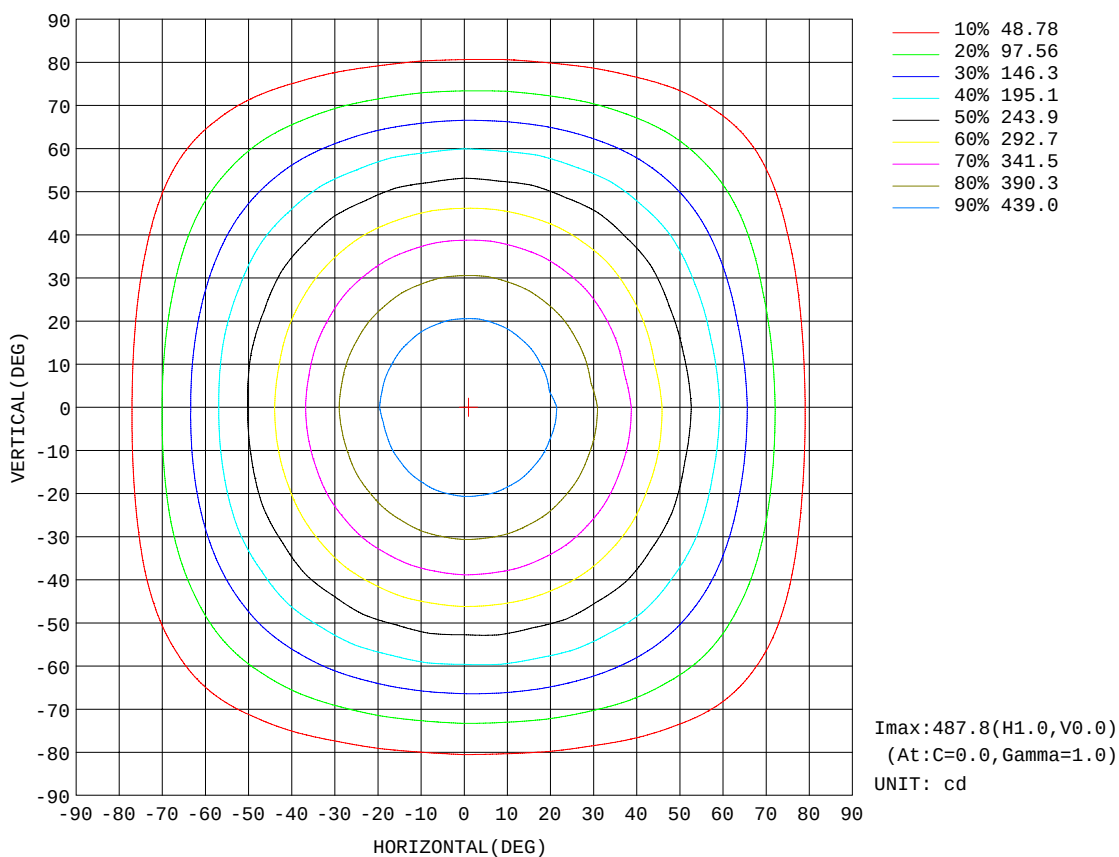
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	47	40	58	47	40	57	47	40	34
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	79	73	87	79	72	84	77	71	64
2.00	96	87	81	94	86	80	90	84	79	71
2.50	100	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	101	107	102	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

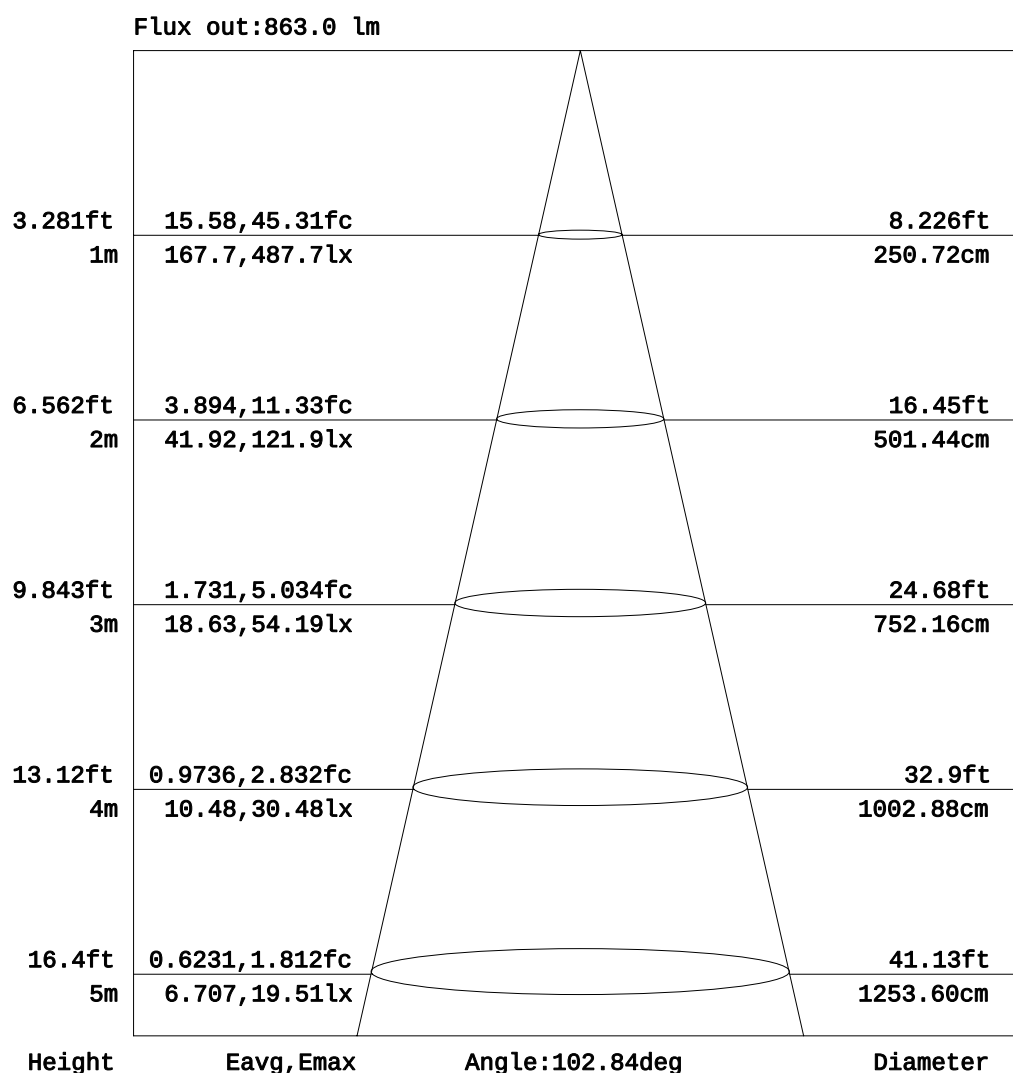


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



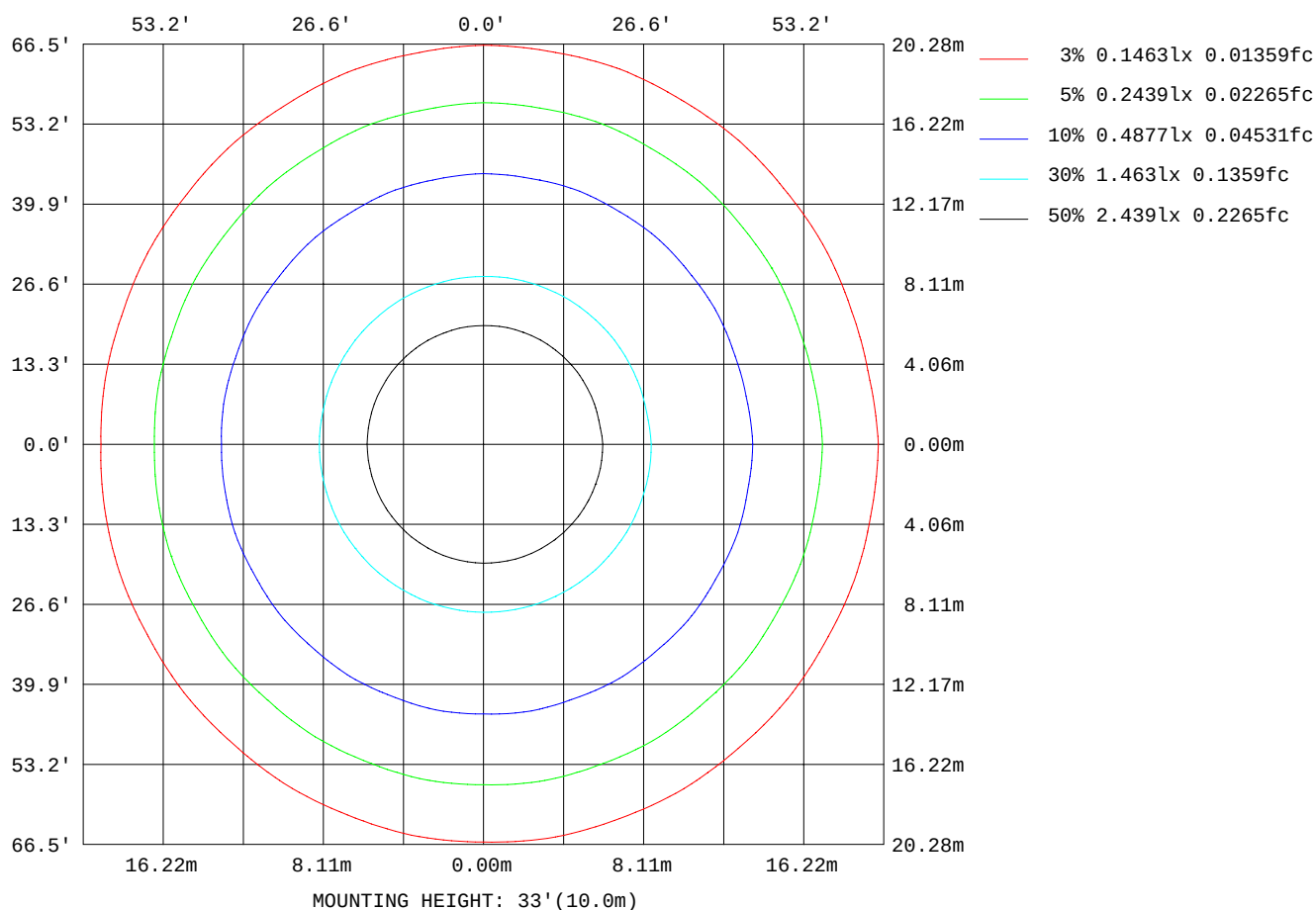
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	1269.73	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	3950	3906	3949	3922	3980	3962	4022	3991	4031	3976	3988	3910	3897	3805	3792	3716	3723	3671	3644
60	3788	3749	3791	3773	3832	3823	3884	3864	3901	3849	3853	3770	3741	3643	3616	3538	3534	3480	3438
65	3587	3553	3595	3592	3659	3661	3726	3718	3754	3704	3697	3604	3555	3452	3357	3313	3250	3243	3183
70	3292	3311	3304	3360	3384	3463	3488	3544	3535	3536	3465	3406	3290	3209	3085	3029	2950	2943	2863
75	2963	2987	2975	3049	3079	3185	3233	3320	3318	3324	3226	3146	2978	2862	2705	2635	2537	2531	2413
80	2451	2482	2468	2564	2610	2748	2832	2977	2999	3017	2872	2731	2476	2312	2098	2004	1876	1867	1691
85	1372	1422	1399	1547	1617	1846	1985	2242	2349	2411	2123	1818	1391	1127	795	659	482	473	228

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	4031	200	---	500
Category 2	65 to 90	3754	200	---	500
Category 3	75 to 90	3324	200	---	500

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

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	1269.73	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	3950	3906	3949	3922	3980	3962	4022	3991	4031	3976	3988	3910	3897	3805	3792	3716	3723	3671	3644
60	3788	3749	3791	3773	3832	3823	3884	3864	3901	3849	3853	3770	3741	3643	3616	3538	3534	3480	3438
65	3587	3553	3595	3592	3659	3661	3726	3718	3754	3704	3697	3604	3555	3452	3357	3313	3250	3243	3183
70	3292	3311	3304	3360	3384	3463	3488	3544	3535	3536	3465	3406	3290	3209	3085	3029	2950	2943	2863
75	2963	2987	2975	3049	3079	3185	3233	3320	3318	3324	3226	3146	2978	2862	2705	2635	2537	2531	2413
80	2451	2482	2468	2564	2610	2748	2832	2977	2999	3017	2872	2731	2476	2312	2098	2004	1876	1867	1691
85	1372	1422	1399	1547	1617	1846	1985	2242	2349	2411	2123	1818	1391	1127	795	659	482	473	228

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	4031	1000	1500	200	500
65 to 90	3754	1000	1500	200	500

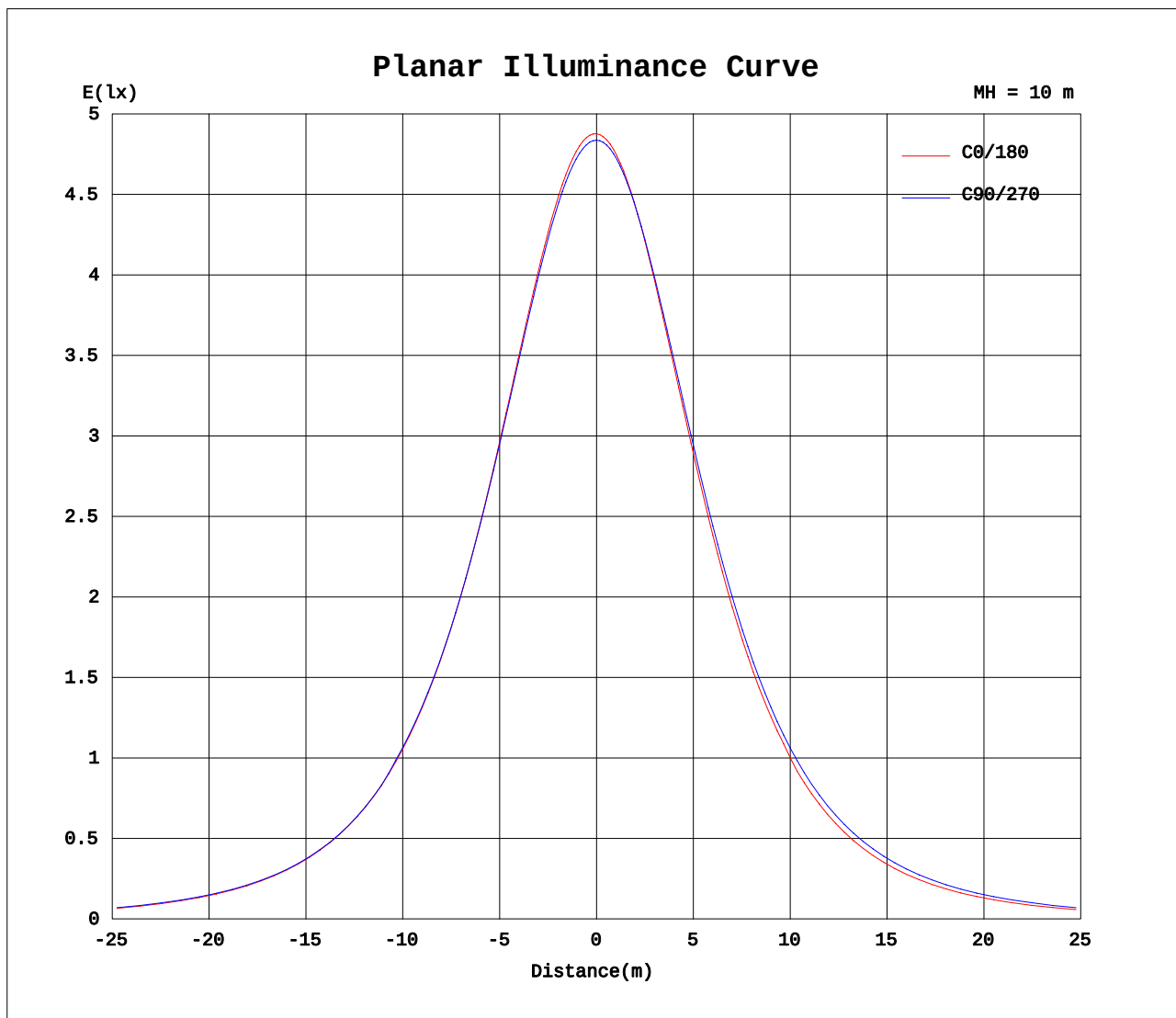
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
γ (°)	0	488	487	486	486	485	485	484	484	484	484	484	483	483	483	483	483	483	488
5	486	485	484	484	483	483	482	482	481	481	481	481	480	480	480	480	480	480	484
10	478	477	476	476	475	475	474	474	473	473	472	472	471	471	470	470	470	470	473
15	464	464	463	462	462	462	461	461	460	460	459	459	457	457	456	456	455	455	458
20	445	445	444	444	443	444	443	443	442	442	441	440	439	438	436	436	435	435	437
25	422	422	421	421	421	421	421	421	420	420	418	418	416	415	413	412	411	411	413
30	395	395	394	395	394	395	395	395	394	394	392	392	389	388	386	385	383	383	384
35	365	366	365	366	365	366	366	366	366	365	364	362	360	358	356	355	353	353	353
40	333	333	333	334	334	335	335	335	334	334	332	331	328	326	323	322	320	320	320
45	299	299	298	300	300	301	301	302	301	301	299	298	295	293	289	286	286	284	283
50	263	260	263	261	265	263	267	264	267	263	264	259	260	254	254	249	250	246	245
55	227	224	226	225	228	227	231	229	231	228	229	224	224	218	218	213	214	211	209
60	189	187	190	189	192	191	194	193	195	192	193	188	187	182	181	177	177	174	172
65	152	150	152	152	155	155	157	157	159	157	156	152	150	146	142	140	137	137	135
70	113	113	113	115	116	118	119	121	121	121	119	116	113	110	106	104	101	101	97.9
75	76.7	77.3	77.0	78.9	79.7	82.4	83.7	85.9	85.9	86.0	83.5	81.4	77.1	74.1	70.0	68.2	65.7	65.5	62.4
80	42.6	43.1	42.9	44.5	45.3	47.7	49.2	51.7	52.1	52.4	49.9	47.4	43.0	40.1	36.4	34.8	32.6	32.4	29.4
85	12.0	12.4	12.2	13.5	14.1	16.1	17.3	19.5	20.5	21.0	18.5	15.8	12.1	9.82	6.93	5.74	4.20	4.12	1.99
90	0.01	0.00	0.01	0.00	0.02	0.01	0.04	0.02	0.05	0.03	0.05	0.03	0.03	0.02	0.01	0.00	0.00	0.01	0.02
95	0.01	0.06	0.02	0.06	0.04	0.08	0.05	0.09	0.07	0.10	0.07	0.09	0.06	0.09	0.05	0.09	0.04	0.08	0.10
100	0.10	0.14	0.10	0.14	0.11	0.16	0.14	0.18	0.15	0.20	0.16	0.19	0.15	0.18	0.15	0.17	0.13	0.17	0.19
105	0.20	0.23	0.20	0.25	0.22	0.26	0.24	0.29	0.26	0.31	0.27	0.31	0.25	0.28	0.24	0.27	0.24	0.26	0.29
110	0.31	0.34	0.30	0.35	0.33	0.37	0.35	0.40	0.37	0.42	0.38	0.42	0.37	0.40	0.36	0.38	0.34	0.37	0.41
115	0.43	0.46	0.42	0.48	0.44	0.50	0.47	0.53	0.50	0.55	0.50	0.53	0.49	0.52	0.48	0.50	0.46	0.50	0.52
120	0.54	0.59	0.55	0.59	0.57	0.62	0.59	0.65	0.62	0.68	0.63	0.66	0.61	0.65	0.60	0.63	0.58	0.61	0.64
125	0.67	0.71	0.67	0.73	0.69	0.76	0.72	0.77	0.75	0.79	0.76	0.79	0.74	0.78	0.72	0.76	0.71	0.75	0.78
130	0.80	0.84	0.79	0.85	0.82	0.88	0.85	0.90	0.87	0.93	0.88	0.92	0.87	0.90	0.84	0.88	0.83	0.87	0.90
135	0.93	0.97	0.92	0.98	0.95	1.01	0.97	1.02	1.00	1.05	1.00	1.03	0.99	1.02	0.97	1.01	0.95	0.99	1.02
140	1.05	1.09	1.05	1.10	1.07	1.12	1.09	1.14	1.12	1.17	1.12	1.16	1.10	1.14	1.09	1.12	1.07	1.11	1.15
145	1.17	1.21	1.17	1.21	1.18	1.23	1.20	1.26	1.23	1.27	1.23	1.26	1.21	1.26	1.20	1.24	1.18	1.23	1.26
150	1.27	1.32	1.28	1.34	1.30	1.35	1.31	1.36	1.33	1.38	1.34	1.37	1.32	1.35	1.31	1.35	1.29	1.34	1.37
155	1.39	1.43	1.39	1.43	1.39	1.45	1.41	1.46	1.42	1.48	1.43	1.46	1.42	1.46	1.40	1.44	1.39	1.44	1.47
160	1.49	1.53	1.49	1.54	1.50	1.54	1.50	1.55	1.51	1.56	1.52	1.56	1.51	1.55	1.49	1.53	1.49	1.53	1.57
165	1.58	1.63	1.59	1.63	1.59	1.63	1.59	1.63	1.59	1.64	1.59	1.64	1.59	1.63	1.58	1.62	1.57	1.62	1.66
170	1.67	1.72	1.66	1.71	1.66	1.70	1.65	1.70	1.65	1.69	1.65	1.69	1.65	1.70	1.65	1.69	1.65	1.70	1.74
175	1.73	1.77	1.71	1.76	1.71	1.74	1.70	1.74	1.70	1.73	1.70	1.73	1.70	1.73	1.70	1.73	1.70	1.75	1.77
180	1.77	1.80	1.76	1.76	1.74	1.74	1.74	1.74	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.74	1.75	1.79

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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: Fold32-3000K-RA90-Diffuse	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
γ (°)																			
0	487	486	486	485	485	484	484	484	484	484	484	483	483	483	483	483	483		
5	483	482	482	481	481	481	481	481	481	481	481	481	481	481	481	481	481		
10	473	472	472	472	472	472	472	473	473	473	473	473	473	473	473	473	472		
15	457	457	457	457	457	458	458	459	459	460	460	460	459	459	459	459	458		
20	436	437	437	438	438	439	440	441	441	442	442	442	441	441	440	440	439		
25	412	412	412	414	414	416	417	418	419	420	419	419	418	418	417	417	416		
30	384	384	385	387	388	390	391	393	393	394	394	394	392	392	391	391	389		
35	352	354	354	356	358	360	362	364	364	365	365	365	363	363	361	361	359		
40	319	320	321	324	326	329	330	333	333	334	334	334	332	331	329	329	327		
45	284	284	287	288	292	295	297	300	300	302	301	301	299	298	295	295	293		
50	248	247	251	251	256	257	262	262	266	264	266	262	264	259	260	256	258		
55	211	210	215	215	220	221	227	227	230	229	231	227	228	224	224	220	221		
60	174	174	178	179	184	185	190	191	194	193	195	192	191	188	188	184	184		
65	134	137	138	142	146	149	154	155	158	157	159	155	155	152	150	147	146		
70	97.7	100	102	106	109	114	116	120	121	122	121	120	117	115	112	111	109		
75	62.4	64.7	66.5	70.3	73.5	78.2	81.4	85.0	86.2	87.2	85.7	84.4	81.1	79.3	76.3	75.0	73.0		
80	29.4	31.5	33.1	36.7	39.6	44.2	47.6	51.5	52.7	53.6	51.7	50.0	46.9	45.2	42.3	41.2	39.2		
85	1.97	3.41	4.49	7.25	9.47	13.3	16.2	20.2	21.6	22.1	19.8	18.3	15.6	14.3	11.9	11.1	9.52		
90	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.03	0.07	0.05	0.05	0.03	0.03	0.01	0.02	0.00	0.01		
95	0.06	0.10	0.06	0.10	0.07	0.10	0.08	0.11	0.08	0.11	0.07	0.09	0.05	0.08	0.03	0.07	0.02		
100	0.15	0.18	0.14	0.19	0.15	0.20	0.17	0.20	0.17	0.20	0.16	0.17	0.13	0.16	0.12	0.15	0.11		
105	0.25	0.29	0.25	0.29	0.26	0.31	0.27	0.32	0.27	0.31	0.25	0.28	0.24	0.26	0.21	0.24	0.20		
110	0.36	0.40	0.36	0.40	0.38	0.42	0.39	0.43	0.39	0.42	0.38	0.40	0.34	0.36	0.32	0.35	0.31		
115	0.47	0.52	0.48	0.53	0.50	0.55	0.51	0.55	0.52	0.54	0.49	0.51	0.46	0.49	0.44	0.47	0.43		
120	0.60	0.65	0.61	0.66	0.62	0.67	0.64	0.69	0.64	0.68	0.62	0.64	0.59	0.61	0.56	0.59	0.55		
125	0.73	0.78	0.74	0.78	0.75	0.80	0.76	0.81	0.78	0.81	0.75	0.77	0.71	0.74	0.68	0.72	0.67		
130	0.85	0.89	0.85	0.91	0.87	0.93	0.89	0.94	0.90	0.93	0.87	0.90	0.84	0.87	0.81	0.85	0.80		
135	0.98	1.02	0.99	1.02	1.00	1.05	1.01	1.06	1.02	1.05	1.00	1.02	0.97	1.00	0.93	0.97	0.92		
140	1.09	1.14	1.10	1.16	1.11	1.17	1.14	1.18	1.14	1.17	1.11	1.14	1.09	1.12	1.07	1.10	1.05		
145	1.21	1.25	1.21	1.27	1.22	1.28	1.25	1.29	1.26	1.28	1.23	1.26	1.21	1.23	1.19	1.22	1.17		
150	1.32	1.36	1.33	1.37	1.33	1.38	1.34	1.39	1.35	1.38	1.33	1.36	1.31	1.35	1.29	1.32	1.27		
155	1.42	1.46	1.42	1.47	1.43	1.47	1.44	1.49	1.44	1.47	1.43	1.47	1.42	1.45	1.39	1.43	1.38		
160	1.51	1.55	1.51	1.55	1.51	1.57	1.53	1.58	1.53	1.56	1.51	1.55	1.50	1.54	1.49	1.53	1.48		
165	1.60	1.64	1.60	1.64	1.60	1.65	1.61	1.65	1.60	1.64	1.59	1.63	1.59	1.62	1.58	1.61	1.57		
170	1.68	1.72	1.67	1.71	1.67	1.71	1.66	1.71	1.66	1.70	1.65	1.69	1.65	1.70	1.65	1.69	1.65		
175	1.73	1.77	1.71	1.75	1.71	1.73	1.71	1.73	1.70	1.73	1.70	1.72	1.70	1.73	1.70	1.74	1.70		
180	1.77	1.77	1.75	1.75	1.74	1.74	1.74	1.74	1.74	1.74	1.73	1.73	1.73	1.73	1.73	1.74	1.74		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-05-06

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: