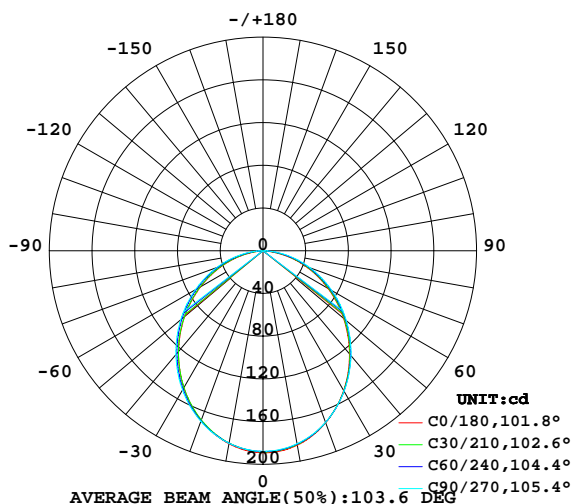


LUMINAIRE PHOTOMETRIC TEST REPORT

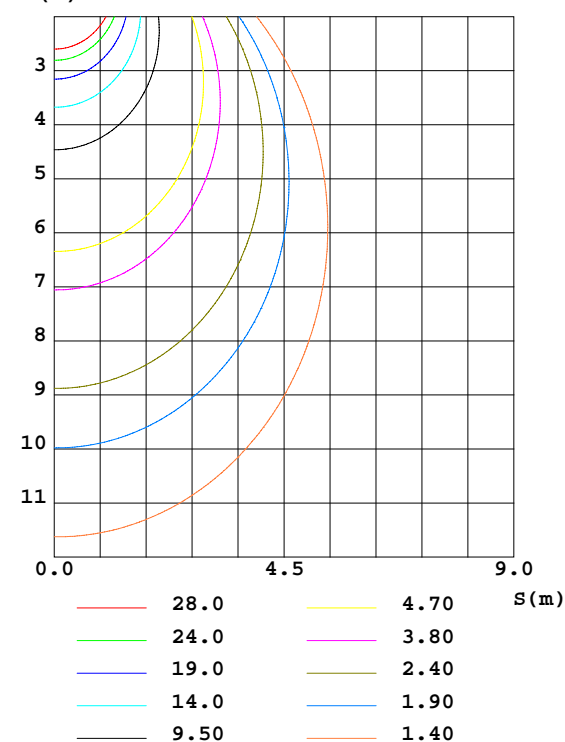
NAME: Fold16-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 58.34 lm/W			
MODEL		Imax(cd)	189.2	S/MH(C0/180)	1.20
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	487.29	$\eta$ UP,DN(C0-180)	0.1,50.3
NOMINAL FLUX(lm)	487.29	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.1,49.5
LAMPS INSIDE	1	$\eta$ up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	99.8	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:tang  
 Test Date:2022-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	184.9	184.0	183.6	182.6	183.5	182.8	183.0	182.8	0- 10	17.71	17.71	3.63,3.63
20	171.5	171.2	171.0	169.3	169.1	169.1	170.1	169.6	10- 20	50.03	67.74	13.9,13.9
30	151.2	151.6	151.9	149.4	148.1	148.8	150.7	149.7	20- 30	73.96	141.7	29.1,29.1
40	126.1	127.3	128.2	125.1	123.1	124.3	126.9	125.3	30- 40	86.42	228.1	46.8,46.8
50	98.53	100.2	101.9	98.44	95.66	97.62	100.6	98.41	40- 50	86.72	314.8	64.6,64.6
60	70.22	72.17	74.46	70.88	67.52	69.96	73.24	70.58	50- 60	75.99	390.8	80.2,80.2
70	42.38	44.45	47.18	43.55	39.94	42.58	46.15	43.13	60- 70	56.68	447.5	91.8,91.8
80	14.83	18.03	21.18	17.54	13.07	16.56	20.38	16.87	70- 80	32.08	479.6	98.4,98.4
90	0	0	0	0	0	0	0.0023	0	80- 90	6.618	486.2	99.8,99.8
100	0	0	0	0	0	0	0	0	90-100	0.0000	486.2	99.8,99.8
110	0	0.0260	0.0614	0.0260	0.0520	0.0378	0.0282	0.0283	100-110	0.0096	486.2	99.8,99.8
120	0.0942	0.1203	0.1558	0.1203	0.1511	0.1321	0.1179	0.1274	110-120	0.0764	486.3	99.8,99.8
130	0.1840	0.2217	0.2502	0.2241	0.2502	0.2312	0.2170	0.2289	120-130	0.1571	486.4	99.8,99.8
140	0.2831	0.3115	0.3540	0.3185	0.3400	0.3280	0.3114	0.3232	130-140	0.2110	486.7	99.9,99.9
150	0.3822	0.4082	0.4342	0.4058	0.4389	0.4153	0.3964	0.4153	140-150	0.2298	486.9	99.9,99.9
160	0.4624	0.4884	0.5051	0.4838	0.5145	0.4931	0.4672	0.4885	150-160	0.2075	487.1	100,100
170	0.5332	0.5395	0.5669	0.5343	0.5851	0.5489	0.5285	0.5430	160-170	0.1463	487.2	100,100
180	0.5805	0.5639	0.5710	0.5616	0.5946	0.5710	0.5569	0.5639	170-180	0.0530	487.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

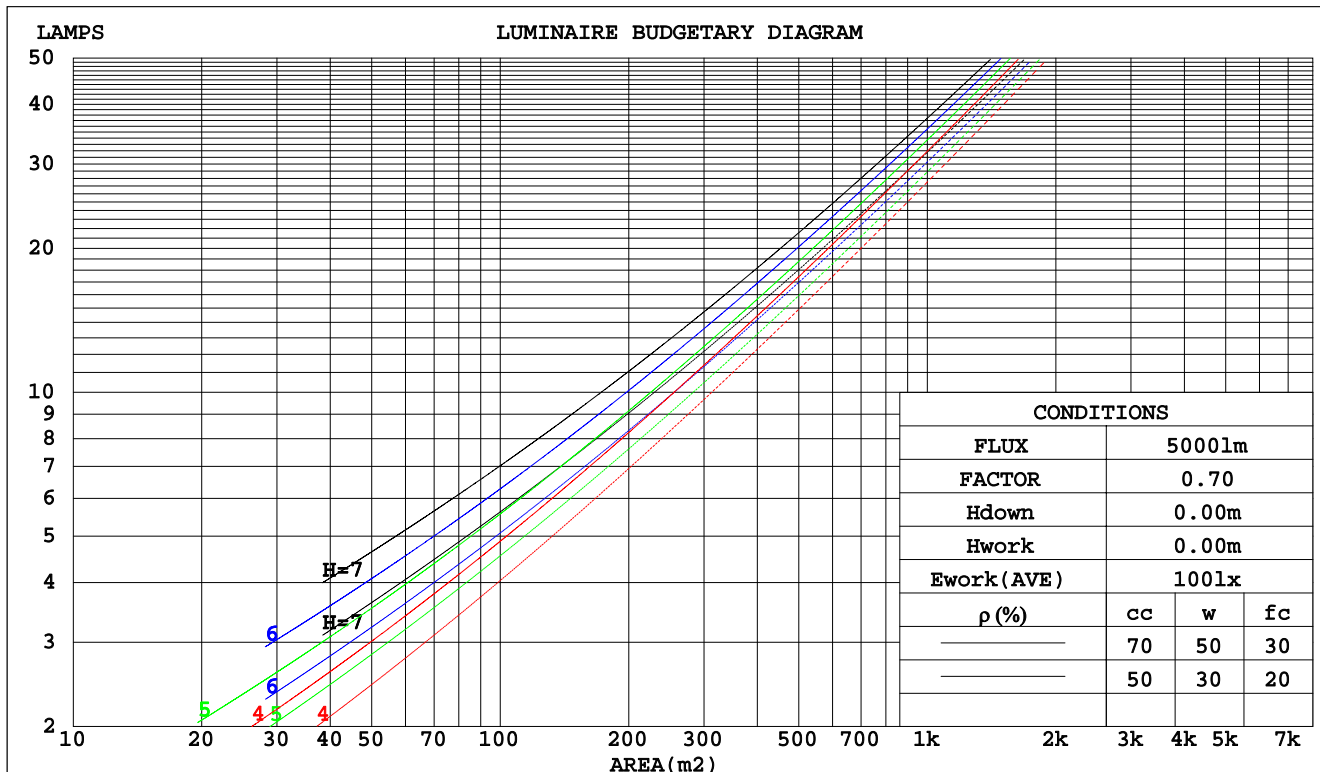
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:tang  
Test Date:2022-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: Fold16-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	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	.47	.44
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.46	.41	.52	.46	.41	.39
7.0	.52	.44	.38	.51	.43	.37	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.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:tang  
Test Date:2022-04-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

WEC AND CCEC

NAME: Fold16-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

pcc	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.299	.170	.054	.292	.166	.053	.278	.160	.051	.266	.153	.049	.255	.148	.048		
2.0	.283	.155	.048	.277	.153	.047	.265	.148	.046	.255	.143	.045	.245	.138	.044		
3.0	.263	.140	.042	.258	.138	.042	.248	.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	.222	.114	.033	.213	.111	.033	.206	.109	.032	.199	.106	.032		
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029		
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.163	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.161	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.021		

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.181	.158	.137	.155	.136	.118	.106	.093	.082	.061	.054	.047	.020	.017	.015	
2.0	.173	.134	.101	.148	.115	.087	.101	.080	.061	.059	.046	.036	.019	.015	.012	
3.0	.165	.116	.077	.141	.100	.067	.097	.070	.047	.056	.041	.028	.018	.013	.009	
4.0	.157	.103	.061	.135	.089	.053	.093	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.150	.092	.050	.129	.080	.043	.089	.056	.030	.051	.033	.018	.017	.011	.006	
6.0	.143	.084	.041	.123	.073	.036	.085	.051	.026	.049	.030	.015	.016	.010	.005	
7.0	.136	.077	.035	.117	.067	.031	.081	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.130	.071	.031	.112	.062	.027	.077	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.124	.066	.027	.106	.057	.024	.074	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.118	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003	

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 GO-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### Uncorrected UGR Table

NAME: Fold16-3000k-RA90					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					14.1	15.6	14.4	15.8	16.0	14.4	15.8	14.6	16.1	16.3
3H					15.5	16.9	15.8	17.1	17.4	15.9	17.3	16.2	17.5	17.7
4H					16.1	17.4	16.4	17.6	17.9	16.5	17.8	16.8	18.1	18.3
6H					16.4	17.6	16.7	17.9	18.2	17.0	18.2	17.3	18.5	18.8
8H					16.4	17.6	16.8	17.9	18.2	17.2	18.4	17.5	18.6	18.9
12H					16.4	17.5	16.7	17.8	18.1	17.3	18.4	17.6	18.7	19.0
4H 2H					14.7	16.0	15.0	16.3	16.5	14.9	16.2	15.2	16.5	16.7
3H					16.3	17.5	16.7	17.7	18.1	16.6	17.8	17.0	18.1	18.4
4H					17.0	18.0	17.3	18.3	18.7	17.4	18.4	17.8	18.8	19.1
6H					17.4	18.3	17.8	18.7	19.0	18.0	18.9	18.4	19.3	19.7
8H					17.5	18.3	17.9	18.7	19.1	18.2	19.1	18.6	19.5	19.9
12H					17.5	18.3	17.9	18.6	19.0	18.4	19.2	18.8	19.6	20.0
8H 4H					17.2	18.1	17.7	18.5	18.9	17.6	18.5	18.0	18.9	19.3
6H					17.8	18.5	18.2	18.9	19.3	18.4	19.1	18.8	19.5	19.9
8H					17.9	18.6	18.4	19.0	19.4	18.7	19.3	19.2	19.8	20.2
12H					17.9	18.5	18.4	18.9	19.4	18.9	19.4	19.4	19.9	20.4
12H 4H					17.3	18.1	17.7	18.4	18.9	17.6	18.4	18.1	18.8	19.2
6H					17.8	18.5	18.3	18.9	19.4	18.4	19.1	18.9	19.5	19.9
8H					18.0	18.5	18.5	19.0	19.5	18.8	19.3	19.2	19.7	20.2
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 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 487.3 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.5)

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 GO-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

NAME: Fold16-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

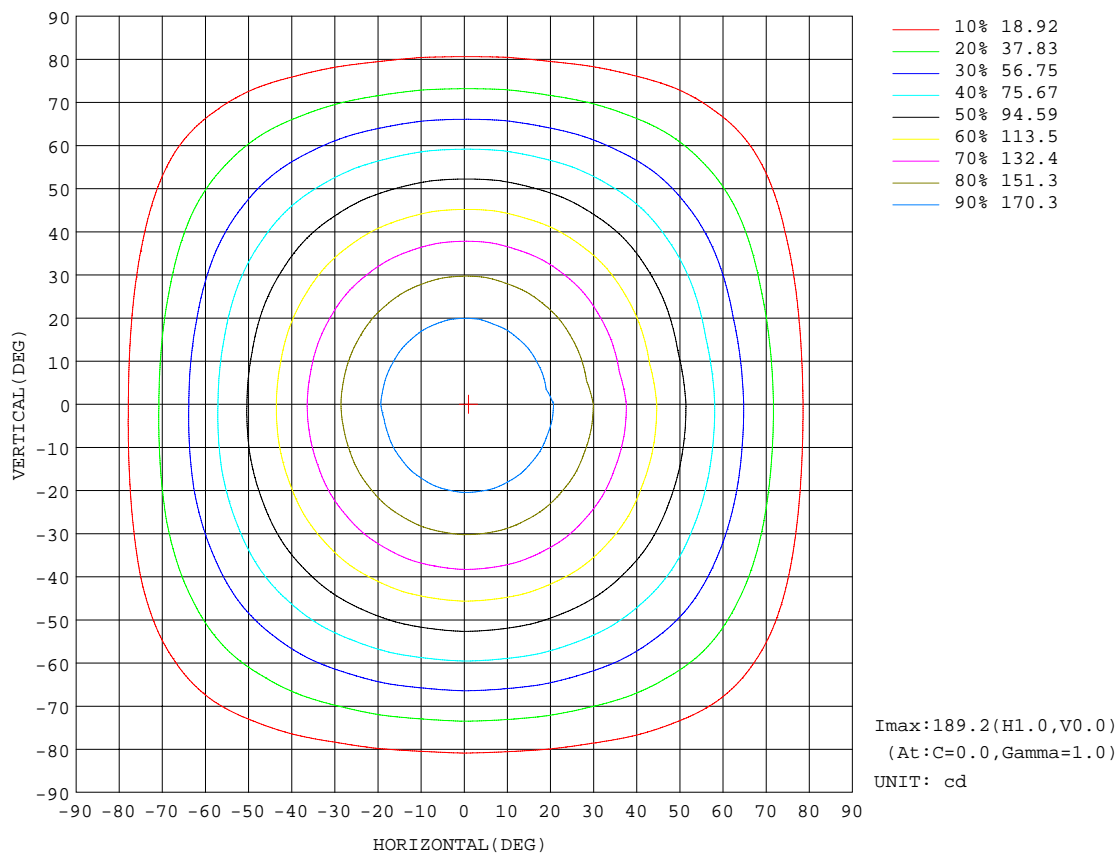
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	59	47	41	58	47	40	57	47	40	34
0.80	69	57	50	68	57	50	66	56	50	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: tang  
Test Date: 2022-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

NAME: Fold16-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

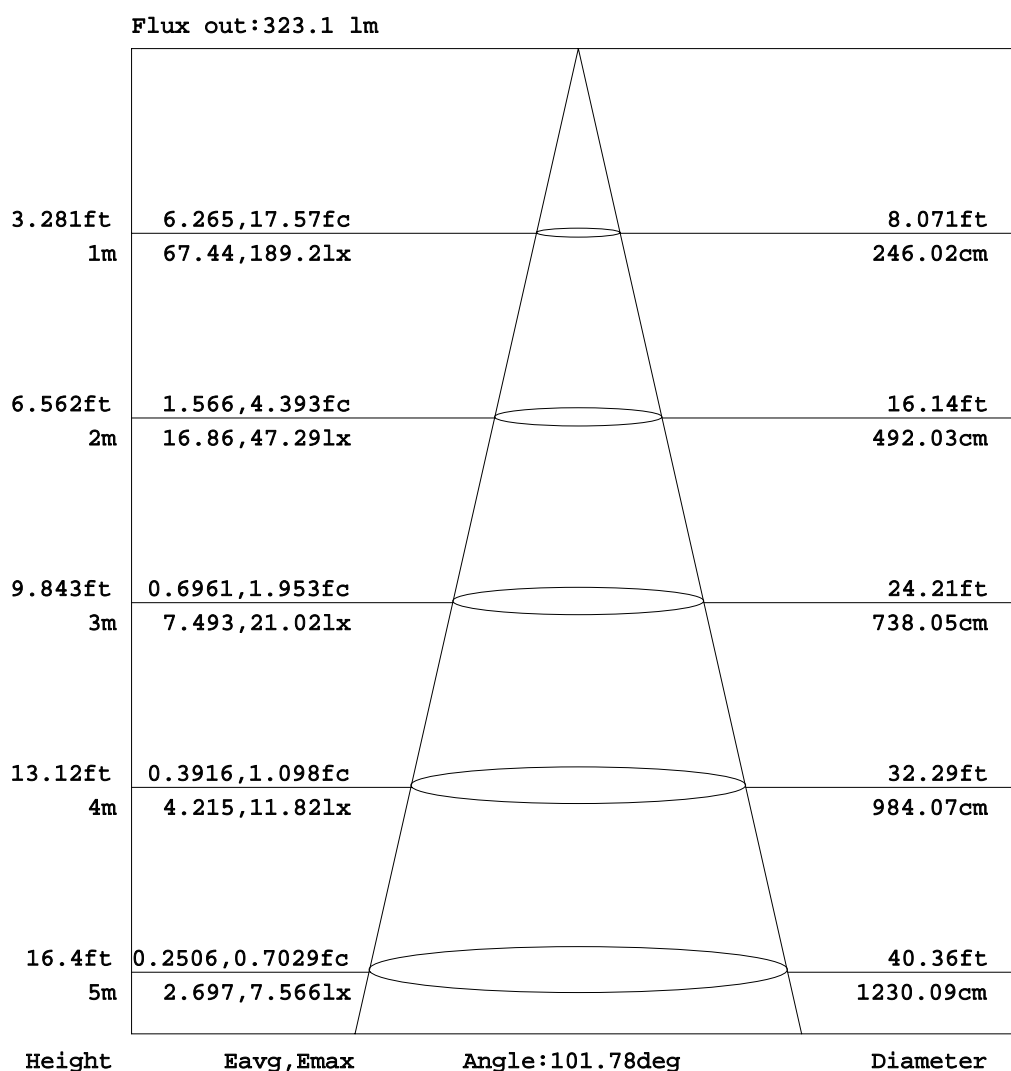


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: tang  
Test Date: 2022-04-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

### AAI Figure

NAME: Fold16-3000k-RA90	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.

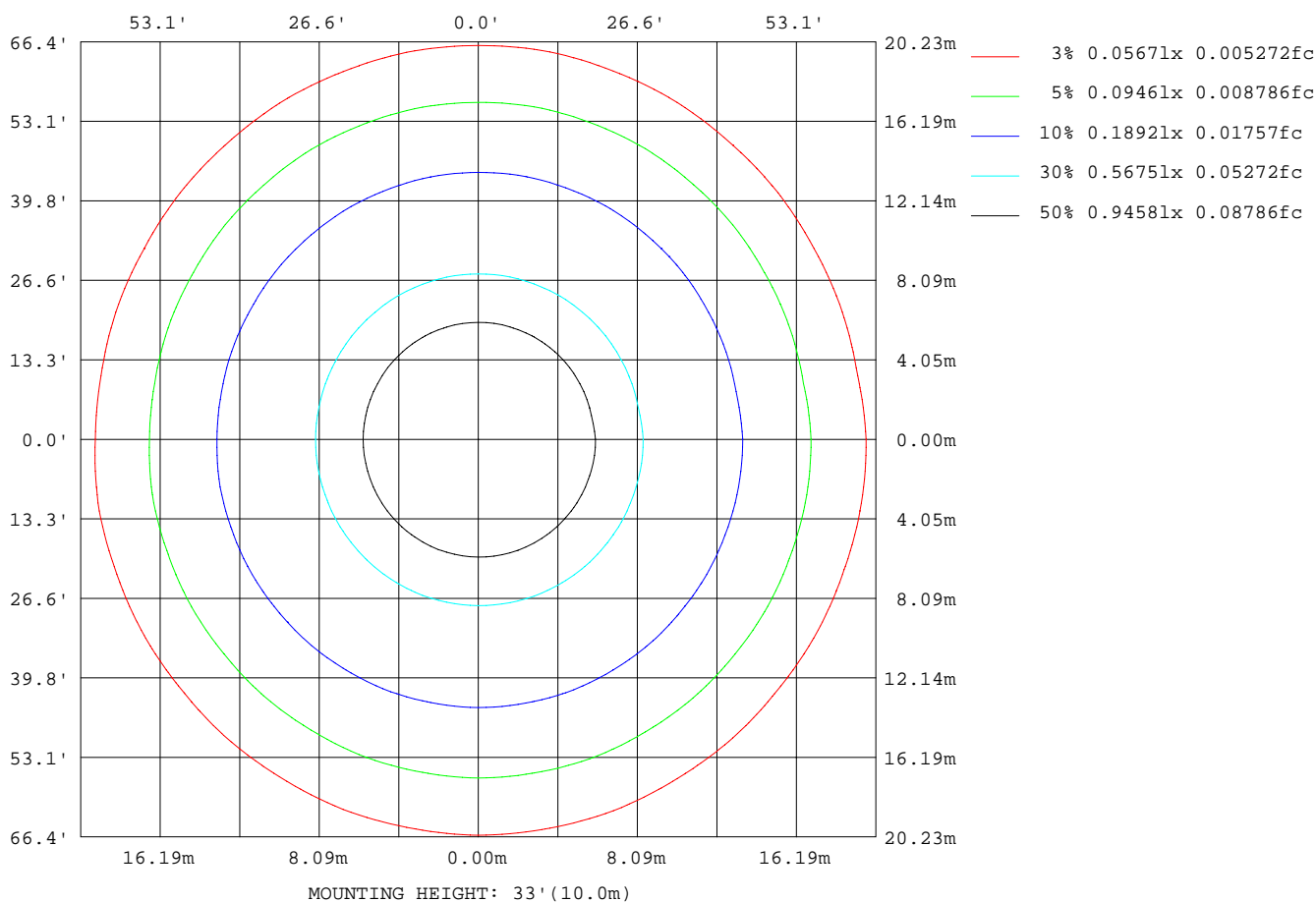
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:tang  
Test Date:2022-04-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:



# ISOLUX DIAGRAM

NAME: Fold16-3000k-RA90	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 GO-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

**Average Luminance Table(CIBSE)**

NAME: Fold16-3000k-RA90	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	487.29	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	1472	1476	1476	1489	1495	1512	1520	1536	1535	1539	1525	1520	1499	1487	1466	1459	1443	1442	1422
60	1404	1411	1410	1426	1433	1454	1464	1484	1484	1489	1474	1468	1442	1430	1405	1396	1378	1377	1350
65	1328	1337	1336	1356	1364	1390	1401	1427	1429	1437	1419	1412	1382	1367	1337	1326	1304	1303	1267
70	1239	1249	1250	1273	1284	1315	1331	1363	1369	1379	1358	1349	1312	1292	1254	1241	1215	1215	1168
75	1119	1135	1136	1167	1178	1221	1241	1285	1297	1313	1285	1273	1222	1195	1147	1132	1100	1100	1032
80	854	879	893	958	1001	1075	1108	1171	1196	1220	1181	1158	1085	1046	975	937	878	869	752
85	232	266	297	401	478	636	755	924	975	1031	951	904	730	616	460	395	301	284	109

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

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	1539	200	---	500
Category 2	65 to 90	1437	200	---	500
Category 3	75 to 90	1313	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 GO-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

**Average Luminance Table(CIBSE)**

NAME: Fold16-3000k-RA90	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	487.29	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	1472	1476	1476	1489	1495	1512	1520	1536	1535	1539	1525	1520	1499	1487	1466	1459	1443	1442	1422
60	1404	1411	1410	1426	1433	1454	1464	1484	1484	1489	1474	1468	1442	1430	1405	1396	1378	1377	1350
65	1328	1337	1336	1356	1364	1390	1401	1427	1429	1437	1419	1412	1382	1367	1337	1326	1304	1303	1267
70	1239	1249	1250	1273	1284	1315	1331	1363	1369	1379	1358	1349	1312	1292	1254	1241	1215	1215	1168
75	1119	1135	1136	1167	1178	1221	1241	1285	1297	1313	1285	1273	1222	1195	1147	1132	1100	1100	1032
80	854	879	893	958	1001	1075	1108	1171	1196	1220	1181	1158	1085	1046	975	937	878	869	752
85	232	266	297	401	478	636	755	924	975	1031	951	904	730	616	460	395	301	284	109

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	1539	1000	1500	200	500
65 to 90	1437	1000	1500	200	500

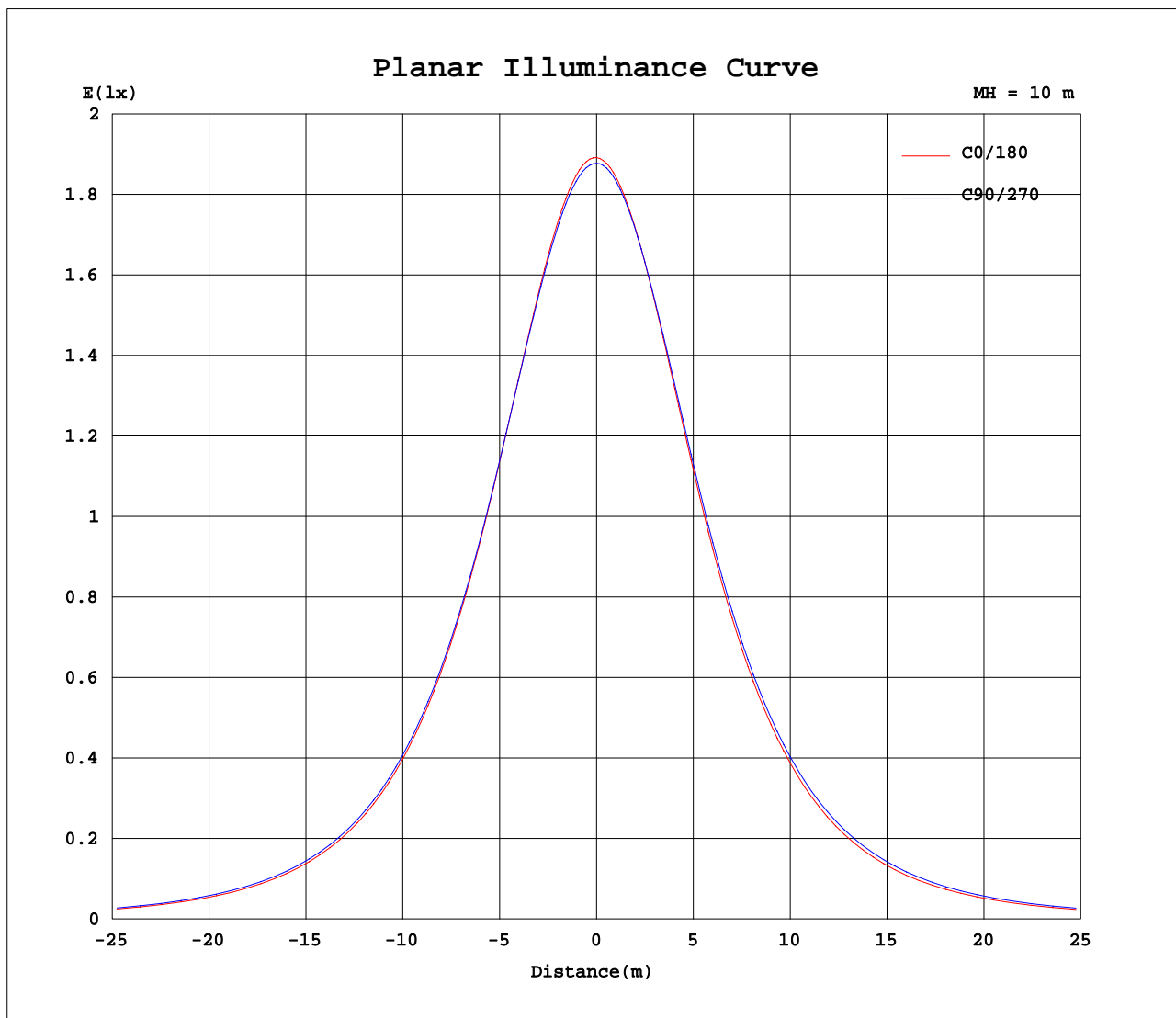
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

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

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Fold16-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	189	189	188	188	188	188	188	188	188	188	188	187	187	187	187	187	187	187	189
5	188	188	188	187	187	187	187	187	187	187	187	186	186	186	186	186	186	186	188
10	185	185	184	184	184	184	184	184	184	184	183	183	183	183	183	182	182	182	184
15	179	179	179	179	179	179	179	179	178	178	178	178	177	177	177	177	176	176	177
20	171	171	171	171	171	171	171	171	171	171	171	170	170	170	169	169	168	168	169
25	162	162	162	162	162	162	162	162	162	162	162	161	161	160	160	159	159	159	159
30	151	151	151	151	151	152	152	152	152	152	151	151	150	150	149	149	148	148	148
35	139	139	139	139	140	140	140	141	140	140	140	140	139	138	137	137	136	136	136
40	126	126	126	127	127	128	128	128	128	128	128	127	126	126	125	124	123	123	123
45	112	113	113	113	114	114	115	115	115	115	115	114	113	113	111	111	110	110	110
50	98.5	98.7	98.7	99.4	99.7	101	101	102	102	102	101	101	99.7	99.0	97.8	97.4	96.6	96.5	95.7
55	84.4	84.6	84.7	85.4	85.7	86.7	87.2	88.1	88.0	88.2	87.5	87.2	86.0	85.3	84.1	83.7	82.8	82.7	81.6
60	70.2	70.5	70.5	71.3	71.6	72.7	73.2	74.2	74.2	74.5	73.7	73.4	72.1	71.5	70.3	69.8	68.9	68.9	67.5
65	56.1	56.5	56.5	57.3	57.6	58.7	59.2	60.3	60.4	60.7	60.0	59.7	58.4	57.8	56.5	56.0	55.1	55.1	53.6
70	42.4	42.7	42.7	43.6	43.9	45.0	45.5	46.6	46.8	47.2	46.5	46.1	44.9	44.2	42.9	42.5	41.6	41.6	39.9
75	29.0	29.4	29.4	30.2	30.5	31.6	32.1	33.3	33.6	34.0	33.2	32.9	31.6	30.9	29.7	29.3	28.5	28.5	26.7
80	14.8	15.3	15.5	16.6	17.4	18.7	19.2	20.3	20.8	21.2	20.5	20.1	18.8	18.2	16.9	16.3	15.2	15.1	13.1
85	2.02	2.32	2.59	3.49	4.17	5.54	6.58	8.06	8.50	8.99	8.29	7.88	6.36	5.37	4.01	3.44	2.62	2.48	0.95
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	0.01	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.04	0.00	0.05	0.00	0.05	0.00	0.06	0.01	0.06	0.01	0.05	0.01	0.05	0.00	0.04	0.00	0.04	0.05
115	0.05	0.09	0.04	0.09	0.04	0.09	0.05	0.10	0.07	0.11	0.07	0.10	0.05	0.09	0.05	0.09	0.05	0.09	0.09
120	0.09	0.13	0.09	0.14	0.09	0.15	0.11	0.15	0.12	0.16	0.11	0.16	0.11	0.15	0.09	0.14	0.09	0.13	0.15
125	0.13	0.18	0.14	0.18	0.15	0.19	0.15	0.20	0.17	0.21	0.17	0.20	0.15	0.19	0.15	0.19	0.14	0.18	0.19
130	0.18	0.24	0.19	0.24	0.20	0.25	0.20	0.25	0.20	0.25	0.22	0.25	0.20	0.25	0.20	0.24	0.19	0.24	0.25
135	0.24	0.28	0.24	0.29	0.24	0.29	0.25	0.30	0.26	0.30	0.26	0.30	0.25	0.29	0.25	0.29	0.24	0.29	0.30
140	0.28	0.34	0.29	0.34	0.29	0.34	0.30	0.35	0.30	0.35	0.30	0.35	0.30	0.34	0.29	0.34	0.29	0.33	0.34
145	0.33	0.38	0.34	0.39	0.34	0.39	0.34	0.39	0.35	0.40	0.35	0.39	0.34	0.39	0.34	0.38	0.33	0.38	0.39
150	0.38	0.43	0.39	0.43	0.39	0.43	0.39	0.44	0.39	0.43	0.39	0.43	0.39	0.43	0.38	0.43	0.38	0.42	0.44
155	0.42	0.47	0.42	0.47	0.42	0.47	0.43	0.48	0.43	0.48	0.43	0.47	0.43	0.47	0.42	0.46	0.42	0.46	0.48
160	0.46	0.51	0.46	0.51	0.46	0.51	0.47	0.51	0.47	0.51	0.46	0.51	0.46	0.51	0.46	0.51	0.46	0.50	0.51
165	0.50	0.55	0.50	0.54	0.50	0.54	0.50	0.54	0.50	0.54	0.49	0.54	0.49	0.54	0.49	0.53	0.50	0.54	0.56
170	0.53	0.58	0.52	0.57	0.52	0.56	0.52	0.56	0.52	0.57	0.52	0.57	0.52	0.55	0.52	0.56	0.52	0.57	0.59
175	0.55	0.59	0.55	0.58	0.55	0.56	0.54	0.56	0.54	0.57	0.54	0.57	0.54	0.56	0.54	0.57	0.54	0.57	0.59
180	0.58	0.59	0.58	0.58	0.56	0.57	0.56	0.57	0.57	0.57	0.56	0.57	0.56	0.56	0.56	0.58	0.56	0.58	0.59

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 GO-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Fold16-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°) \ γ (°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	189	188	188	188	188	188	188	188	188	188	187	187	187	187	187	187	187		
5	187	187	187	187	187	187	187	187	187	187	186	186	186	186	186	186	186		
10	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183		
15	177	177	177	177	177	177	177	177	177	178	177	177	177	177	177	177	177		
20	169	169	169	169	169	170	170	170	170	170	170	170	170	170	169	169	169		
25	159	159	159	159	160	160	161	161	161	161	161	161	160	160	160	160	160		
30	148	148	148	149	149	150	150	151	151	151	150	150	150	150	149	149	149		
35	136	136	136	137	137	138	138	139	139	139	139	139	138	138	137	137	137		
40	123	123	123	124	125	126	126	127	127	127	126	126	125	125	124	124	124		
45	109	110	110	111	111	112	113	114	114	114	113	113	112	112	111	111	110		
50	95.4	96.1	96.3	97.4	97.9	99.0	99.6	100	101	101	100	99.7	98.6	98.2	97.2	97.0	96.4		
55	81.3	82.1	82.4	83.5	84.1	85.4	85.9	86.9	87.0	87.2	86.3	85.9	84.8	84.3	83.2	83.0	82.4		
60	67.3	68.2	68.5	69.6	70.3	71.6	72.2	73.2	73.2	73.5	72.5	72.0	70.8	70.3	69.3	69.0	68.3		
65	53.4	54.3	54.6	55.8	56.5	57.9	58.5	59.5	59.6	59.8	58.7	58.2	57.0	56.5	55.4	55.1	54.5		
70	39.8	40.7	41.0	42.2	42.9	44.3	45.0	46.1	46.1	46.3	45.2	44.6	43.4	42.9	41.8	41.5	40.8		
75	26.6	27.5	27.9	29.0	29.7	31.1	31.9	33.0	33.0	33.1	32.0	31.4	30.2	29.6	28.6	28.3	27.6		
80	13.0	14.1	14.6	16.1	17.0	18.3	19.1	20.3	20.4	20.4	19.2	18.6	17.3	16.4	14.9	14.4	13.5		
85	0.87	1.66	2.05	3.23	4.15	5.84	7.00	8.16	8.32	8.21	6.94	5.84	4.19	3.32	2.16	1.75	1.18		
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	0.01	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.00	0.00		
110	0.00	0.06	0.01	0.06	0.01	0.06	0.02	0.07	0.03	0.07	0.02	0.06	0.01	0.05	0.01	0.05	0.00		
115	0.05	0.09	0.06	0.11	0.07	0.10	0.07	0.12	0.07	0.11	0.07	0.10	0.05	0.09	0.05	0.09	0.05		
120	0.09	0.15	0.10	0.16	0.11	0.16	0.12	0.17	0.12	0.17	0.11	0.16	0.10	0.15	0.10	0.15	0.10		
125	0.15	0.20	0.16	0.20	0.16	0.21	0.17	0.21	0.17	0.21	0.16	0.21	0.15	0.20	0.15	0.19	0.14		
130	0.20	0.25	0.20	0.25	0.21	0.26	0.22	0.26	0.22	0.26	0.22	0.26	0.21	0.25	0.20	0.25	0.19		
135	0.25	0.30	0.25	0.30	0.25	0.30	0.27	0.32	0.26	0.31	0.26	0.30	0.26	0.30	0.25	0.29	0.24		
140	0.30	0.35	0.30	0.35	0.31	0.35	0.31	0.36	0.31	0.36	0.31	0.35	0.30	0.34	0.30	0.34	0.30		
145	0.35	0.40	0.35	0.39	0.35	0.40	0.35	0.41	0.36	0.41	0.35	0.40	0.35	0.39	0.34	0.39	0.34		
150	0.39	0.44	0.39	0.44	0.39	0.44	0.40	0.45	0.40	0.45	0.40	0.43	0.40	0.43	0.39	0.43	0.39		
155	0.43	0.48	0.43	0.47	0.44	0.48	0.44	0.49	0.43	0.48	0.43	0.48	0.43	0.47	0.42	0.47	0.42		
160	0.47	0.51	0.47	0.52	0.47	0.51	0.48	0.52	0.47	0.51	0.47	0.51	0.47	0.51	0.46	0.51	0.46		
165	0.50	0.55	0.50	0.55	0.50	0.54	0.50	0.54	0.50	0.55	0.50	0.54	0.50	0.54	0.50	0.54	0.50		
170	0.54	0.58	0.53	0.57	0.53	0.57	0.53	0.56	0.53	0.56	0.52	0.56	0.52	0.56	0.53	0.57	0.52		
175	0.55	0.58	0.55	0.57	0.55	0.57	0.55	0.57	0.54	0.56	0.54	0.57	0.54	0.57	0.54	0.57	0.55		
180	0.59	0.59	0.58	0.58	0.57	0.58	0.57	0.57	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57		

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 GO-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks: