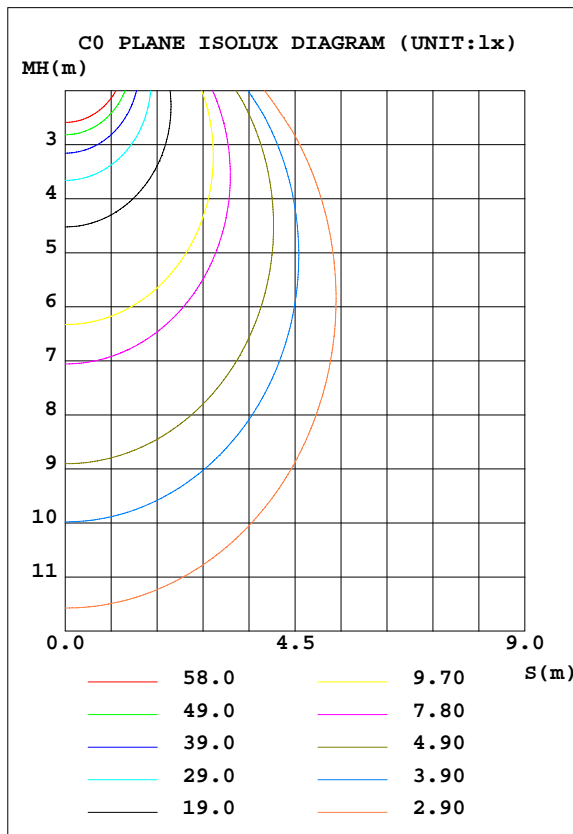
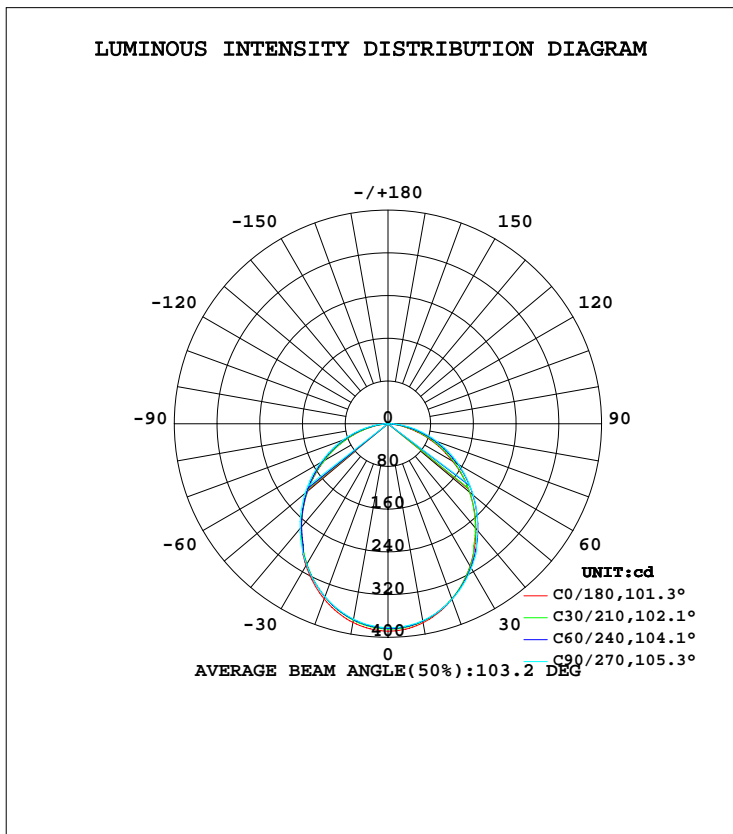


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0 Avenue Lighting	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ML5020-BLK	Imax(cd)	388.3	S/MH(C0/180)	1.19
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	986.68	η UP, DN(C0-180)	0.2, 50.6
NOMINAL FLUX(lm)	986.681	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.1
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



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-11

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	378.3	375.5	374.4	372.5	377.9	373.0	371.5	370.8	0- 10	36.09	36.09	3.66,3.66
20	349.9	349.3	350.1	346.5	349.3	345.1	344.7	343.2	10- 20	102.0	138.1	14,14
30	307.5	309.2	312.2	306.7	306.9	303.9	305.0	302.3	20- 30	150.8	288.9	29.3,29.3
40	256.2	258.0	260.9	256.1	252.0	252.1	256.3	250.8	30- 40	175.7	464.6	47.1,47.1
50	199.6	203.6	208.3	202.3	196.3	197.6	202.6	196.6	40- 50	175.8	640.5	64.9,64.9
60	138.8	146.3	153.1	145.0	137.9	139.9	145.8	139.3	50- 60	153.8	794.3	80.5,80.5
70	80.99	88.92	97.82	88.68	80.40	83.48	90.09	83.23	60- 70	113.3	907.6	92,92
80	27.48	34.84	44.85	35.14	26.90	30.20	38.06	30.14	70- 80	62.78	970.4	98.3,98.3
90	0	0	0.1544	0.0001	0	0.0000	0.0144	0	80- 90	13.13	983.5	99.7,99.7
100	0.0424	0.0755	0.1087	0.0708	0.0992	0.0944	0.0990	0.0944	90-100	0.0329	983.5	99.7,99.7
110	0.2074	0.2336	0.2739	0.2405	0.2597	0.2666	0.2782	0.2619	100-110	0.1745	983.7	99.7,99.7
120	0.4056	0.4271	0.4767	0.4270	0.4533	0.4601	0.4717	0.4601	110-120	0.3424	984.0	99.7,99.7
130	0.6039	0.6323	0.6704	0.6300	0.6656	0.6654	0.6747	0.6583	120-130	0.4889	984.5	99.8,99.8
140	0.8115	0.8282	0.8731	0.8235	0.8685	0.8589	0.8681	0.8519	130-140	0.5766	985.1	99.8,99.8
150	0.9956	1.019	1.048	1.008	1.053	1.036	1.038	1.031	140-150	0.5866	985.7	99.9,99.9
160	1.165	1.177	1.203	1.156	1.227	1.189	1.180	1.189	150-160	0.5094	986.2	100,100
170	1.302	1.302	1.321	1.288	1.350	1.312	1.288	1.300	160-170	0.3517	986.6	100,100
180	1.373	1.359	1.345	1.343	1.387	1.347	1.340	1.338	170-180	0.1265	986.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

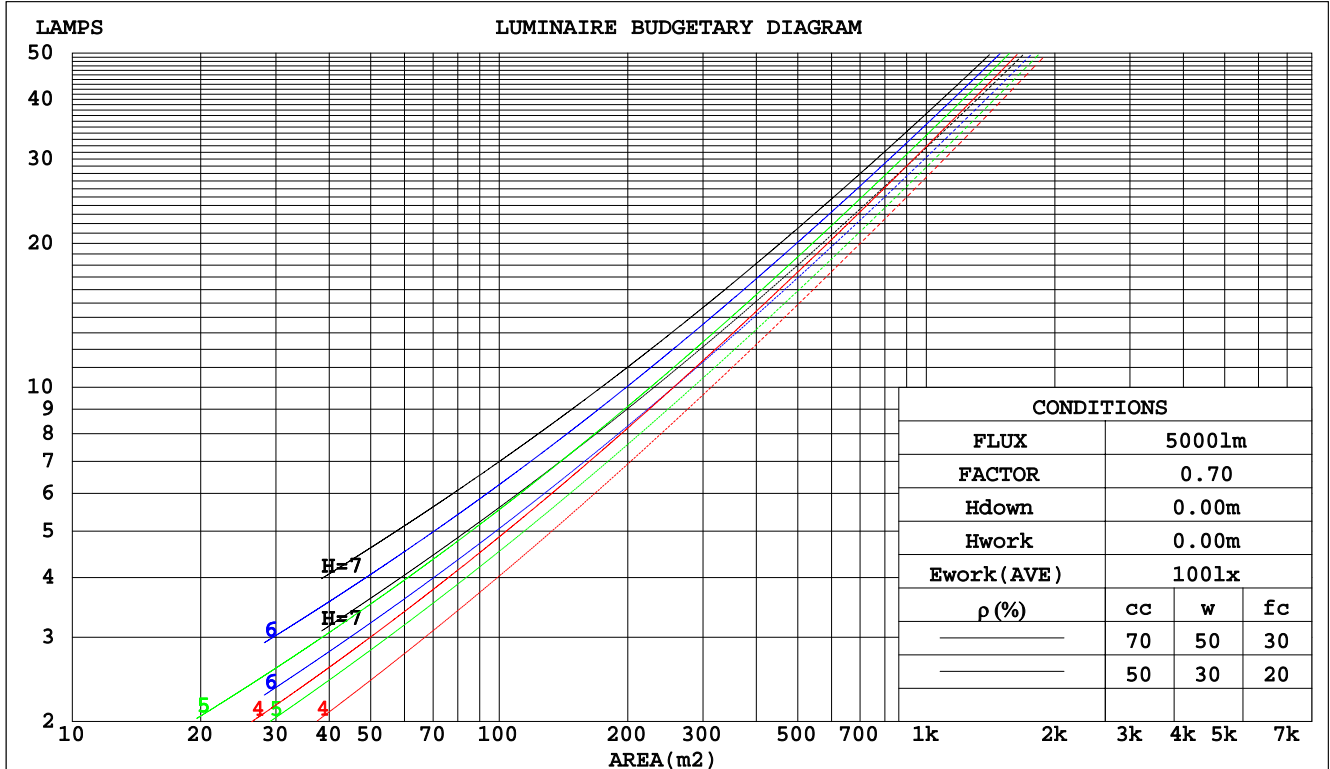
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-06-11

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	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	.83	.78	.75	.80	.76	.73	.71
3.0	.80	.72	.66	.79	.71	.66	.76	.70	.64	.73	.68	.63	.71	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.48	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.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	.28	.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: 2022-06-11

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

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.297	.169	.053	.290	.165	.053	.276	.159	.051	.264	.152	.049	.253	.147	.047	
2.0	.282	.155	.047	.276	.152	.047	.264	.147	.046	.253	.142	.044	.243	.137	.043	
3.0	.262	.140	.042	.257	.137	.041	.246	.133	.041	.237	.130	.040	.228	.126	.039	
4.0	.243	.126	.037	.238	.125	.037	.229	.121	.036	.220	.118	.036	.212	.115	.035	
5.0	.225	.115	.033	.221	.113	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.102	.030	.191	.099	.029	.185	.097	.029	
7.0	.195	.096	.027	.192	.095	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.182	.089	.025	.179	.088	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						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	.106	.094	.082	.061	.054	.048	.020	.017	.015	
2.0	.173	.134	.102	.149	.116	.088	.102	.080	.061	.059	.047	.036	.019	.015	.012	
3.0	.166	.117	.078	.142	.101	.068	.097	.070	.047	.056	.041	.028	.018	.013	.009	
4.0	.158	.103	.062	.135	.089	.054	.093	.062	.038	.054	.036	.022	.017	.012	.007	
5.0	.150	.093	.050	.129	.080	.044	.089	.056	.031	.052	.033	.018	.017	.011	.006	
6.0	.143	.085	.042	.123	.073	.037	.085	.051	.026	.049	.030	.015	.016	.010	.005	
7.0	.137	.078	.036	.117	.067	.032	.081	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.130	.072	.032	.112	.062	.028	.078	.044	.020	.045	.026	.012	.015	.008	.004	
9.0	.124	.067	.028	.107	.058	.024	.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:2022-06-11

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

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm										
NAME: Fold20-s-3000k-Ra90-diffuse-16w					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	16.5	18.0	16.8	18.2	18.4	16.9	18.4	17.2	18.6	18.8
3H	17.8	19.2	18.1	19.4	19.7	18.4	19.8	18.7	20.0	20.3
4H	18.3	19.6	18.6	19.8	20.1	19.1	20.4	19.4	20.6	20.9
6H	18.6	19.8	18.9	20.1	20.3	19.6	20.8	19.9	21.1	21.4
8H	18.6	19.8	18.9	20.1	20.4	19.8	20.9	20.1	21.2	21.5
12H	18.6	19.7	18.9	20.0	20.3	19.9	21.0	20.2	21.3	21.6
4H 2H	17.1	18.4	17.4	18.7	18.9	17.4	18.7	17.7	19.0	19.2
3H	18.6	19.7	19.0	20.0	20.4	19.2	20.3	19.5	20.6	20.9
4H	19.2	20.2	19.6	20.6	20.9	19.9	21.0	20.3	21.3	21.6
6H	19.6	20.5	20.0	20.8	21.2	20.6	21.5	21.0	21.9	22.2
8H	19.6	20.5	20.1	20.9	21.3	20.8	21.7	21.2	22.0	22.4
12H	19.6	20.4	20.1	20.8	21.2	21.0	21.8	21.4	22.2	22.6
8H 4H	19.5	20.3	19.9	20.7	21.1	20.1	21.0	20.6	21.4	21.8
6H	20.0	20.7	20.4	21.1	21.5	20.9	21.6	21.4	22.0	22.5
8H	20.1	20.7	20.6	21.1	21.6	21.2	21.9	21.7	22.3	22.8
12H	20.1	20.6	20.6	21.1	21.6	21.5	22.0	22.0	22.5	23.0
12H 4H	19.5	20.3	19.9	20.7	21.1	20.1	20.9	20.6	21.3	21.7
6H	20.0	20.7	20.5	21.1	21.5	20.9	21.6	21.4	22.0	22.5
8H	20.2	20.7	20.7	21.2	21.6	21.3	21.8	21.8	22.3	22.8
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 986.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.0)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 0
 Test Date: 2022-06-11

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

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

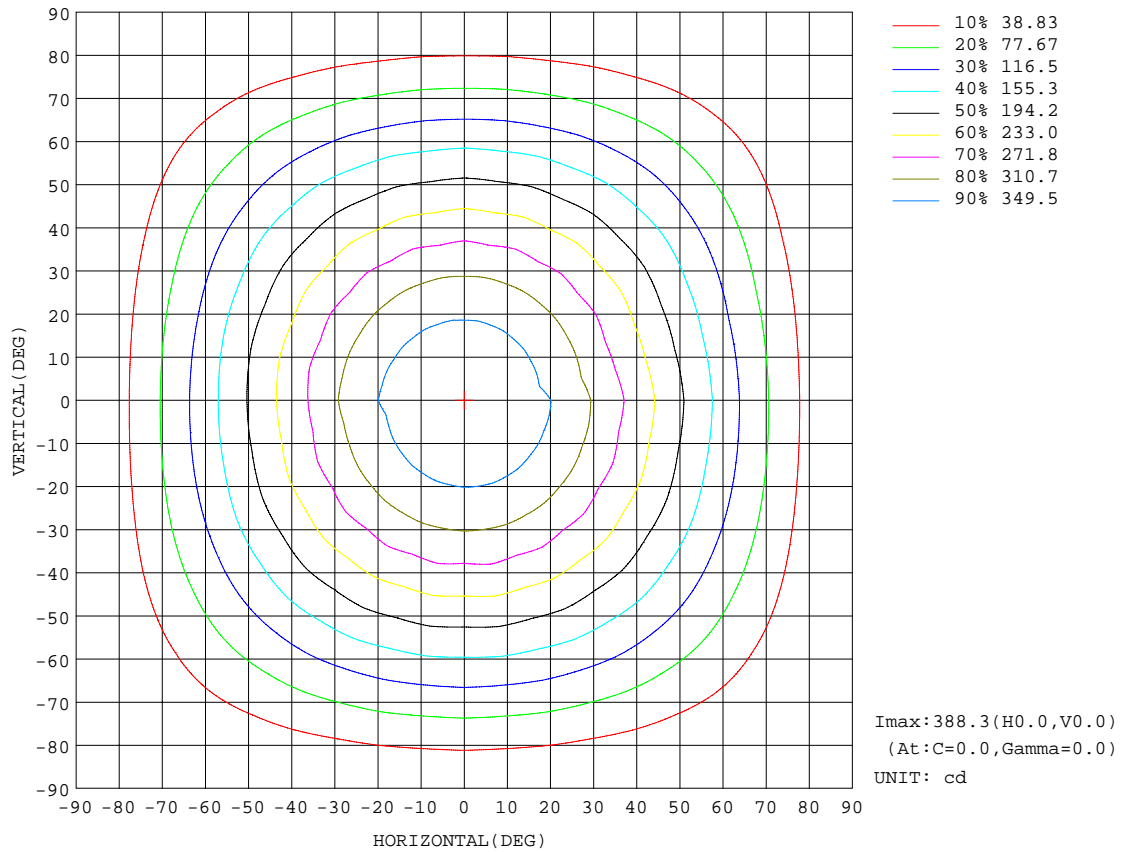
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	48	41	58	47	41	57	47	40	34
0.80	69	58	50	68	57	50	66	56	50	43
1.00	77	67	59	76	66	59	74	67	59	52
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	72	85	77	71	64
2.00	96	88	81	94	86	81	91	84	79	71
2.50	100	92	86	98	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	95	100	96	93	84
5.00	109	104	101	107	103	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:2022-06-11

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:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

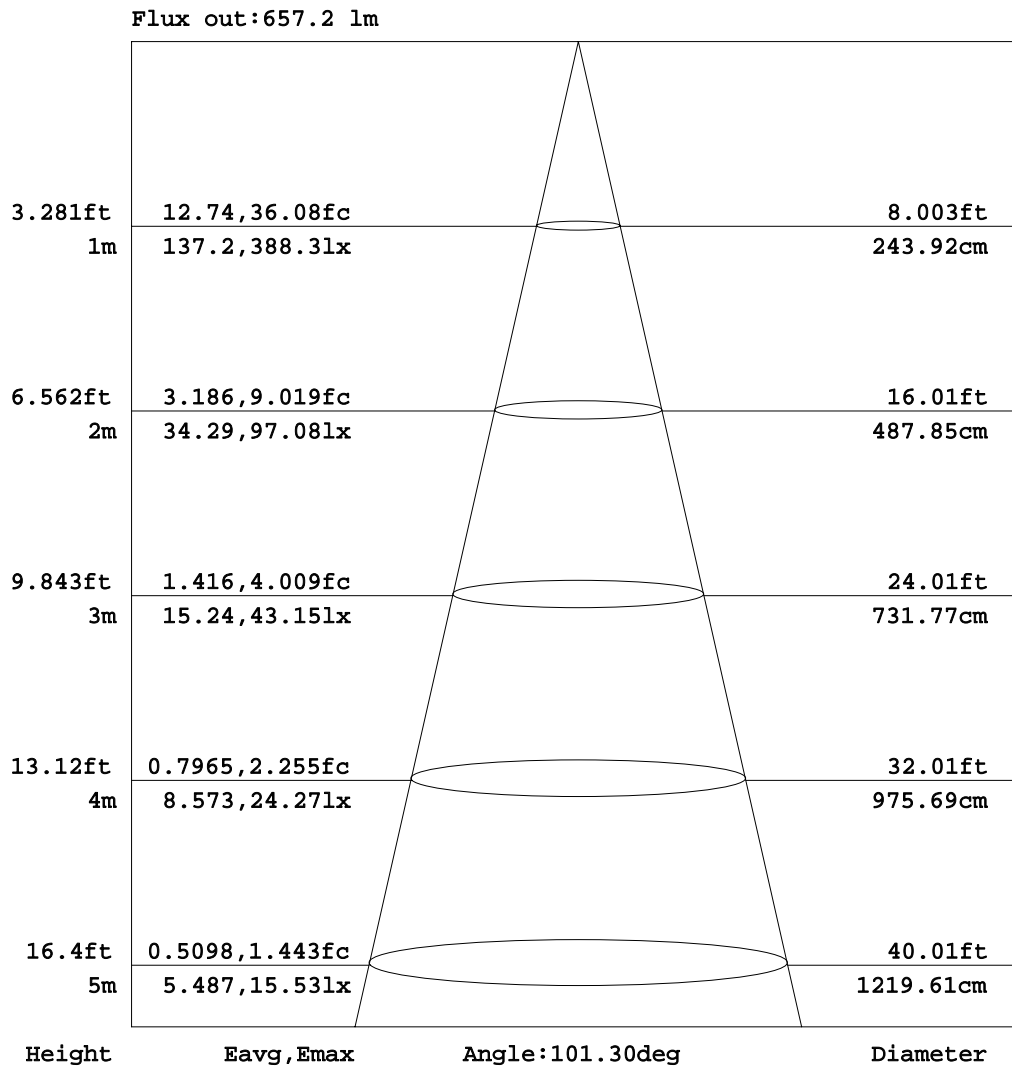


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 0
 Test Date: 2022-06-11

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

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.68lx1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



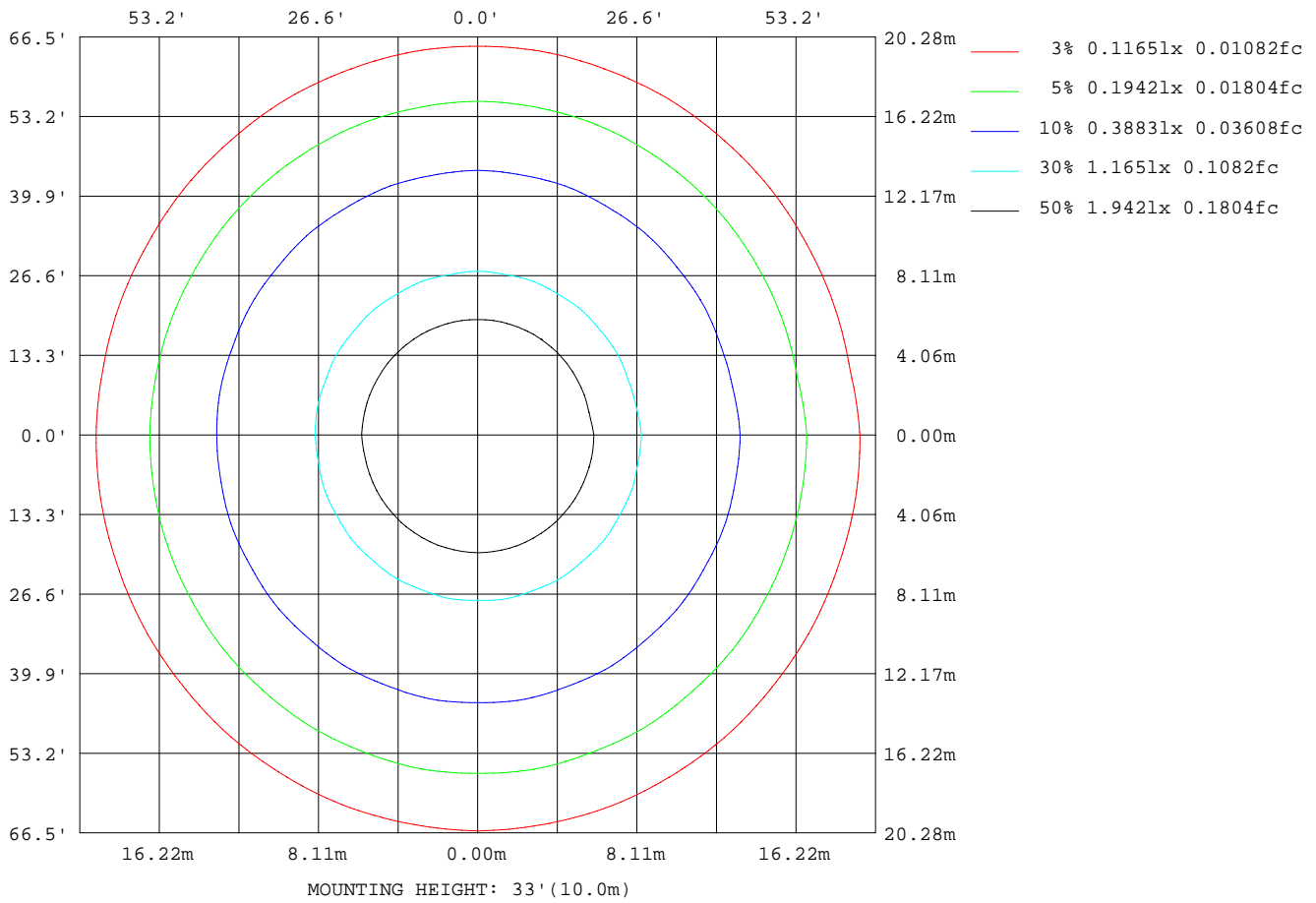
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-11

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

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.68lx1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	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: 2022-06-11

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)

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	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	986.681	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	2970	2944	2989	2987	3052	3060	3128	3128	3180	3153	3172	3114	3113	3042	3033	2966	2967	2915	2917
60	2775	2793	2803	2852	2906	2944	3019	3028	3083	3062	3074	3017	2986	2930	2869	2834	2786	2770	2758
65	2593	2616	2631	2689	2735	2814	2858	2921	2939	2964	2933	2911	2847	2802	2723	2678	2621	2603	2574
70	2368	2402	2417	2495	2549	2651	2715	2801	2824	2860	2820	2792	2707	2643	2542	2491	2419	2400	2351
75	2066	2111	2132	2233	2300	2436	2524	2653	2691	2739	2685	2648	2520	2438	2305	2240	2149	2128	2044
80	1583	1640	1680	1812	1914	2098	2235	2426	2513	2583	2510	2425	2239	2111	1936	1843	1727	1691	1549
85	535	627	686	893	1059	1369	1603	1952	2150	2314	2158	1961	1627	1412	1117	982	806	758	509

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	3180	200	---	500
Category 2	65 to 90	2964	200	---	500
Category 3	75 to 90	2739	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:2022-06-11

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)

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	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	986.681	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	2970	2944	2989	2987	3052	3060	3128	3128	3180	3153	3172	3114	3113	3042	3033	2966	2967	2915	2917
60	2775	2793	2803	2852	2906	2944	3019	3028	3083	3062	3074	3017	2986	2930	2869	2834	2786	2770	2758
65	2593	2616	2631	2689	2735	2814	2858	2921	2939	2964	2933	2911	2847	2802	2723	2678	2621	2603	2574
70	2368	2402	2417	2495	2549	2651	2715	2801	2824	2860	2820	2792	2707	2643	2542	2491	2419	2400	2351
75	2066	2111	2132	2233	2300	2436	2524	2653	2691	2739	2685	2648	2520	2438	2305	2240	2149	2128	2044
80	1583	1640	1680	1812	1914	2098	2235	2426	2513	2583	2510	2425	2239	2111	1936	1843	1727	1691	1549
85	535	627	686	893	1059	1369	1603	1952	2150	2314	2158	1961	1627	1412	1117	982	806	758	509

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	3180	1000	1500	200	500
65 to 90	2964	1000	1500	200	500

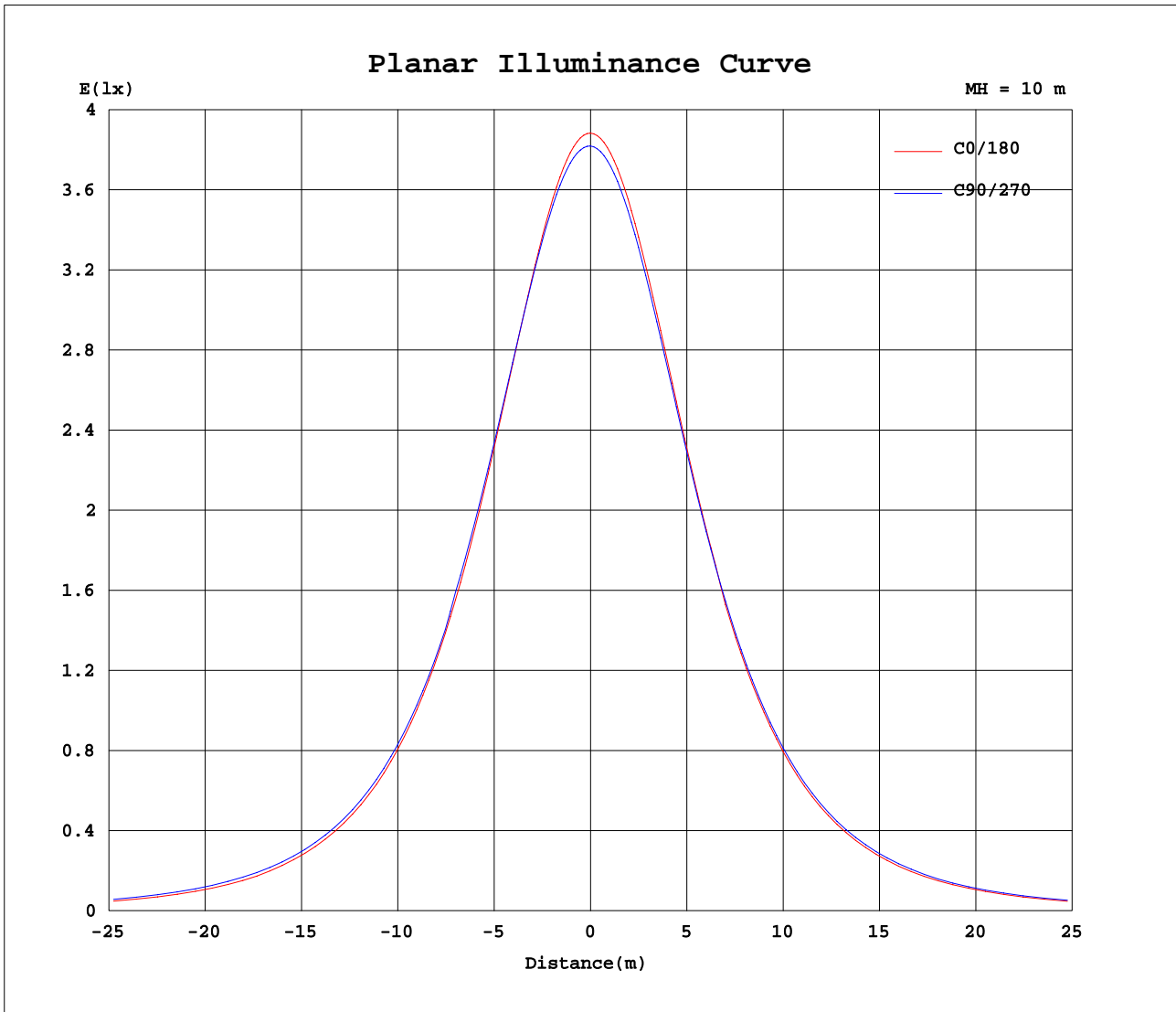
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-11

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: 0
 Test Date: 2022-06-11

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

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	388	387	386	385	384	383	383	383	382	382	382	381	381	381	381	381	381	381	388
5	386	385	383	383	382	382	381	381	381	380	380	380	379	379	379	379	379	378	386
10	378	377	376	376	376	375	375	375	375	374	374	374	373	373	372	372	372	371	378
15	366	365	365	365	364	365	364	365	364	364	363	363	362	362	361	361	360	360	366
20	350	349	349	349	349	350	350	350	350	350	349	349	348	347	346	345	344	344	349
25	330	330	329	330	330	331	332	333	332	333	332	331	330	329	327	327	325	325	330
30	307	308	307	308	308	310	310	312	312	312	311	310	309	308	306	305	304	303	307
35	283	279	283	280	284	284	287	287	289	290	288	285	285	283	282	277	280	275	278
40	256	253	256	254	259	257	262	260	264	261	263	259	260	256	257	252	254	250	252
45	228	226	229	228	232	231	235	234	238	235	237	233	234	229	230	226	227	223	225
50	200	198	200	200	204	204	208	207	210	208	210	206	207	202	202	198	199	196	196
55	170	169	171	171	175	176	179	179	182	181	182	179	179	175	174	170	170	167	167
60	139	140	140	143	145	147	151	151	154	153	154	151	149	146	143	142	139	139	138
65	110	111	111	114	116	119	121	123	124	125	124	123	120	118	115	113	111	110	109
70	81.0	82.1	82.7	85.3	87.2	90.7	92.9	95.8	96.6	97.8	96.5	95.5	92.6	90.4	86.9	85.2	82.7	82.1	80.4
75	53.5	54.6	55.2	57.8	59.5	63.1	65.3	68.7	69.6	70.9	69.5	68.5	65.2	63.1	59.7	58.0	55.6	55.1	52.9
80	27.5	28.5	29.2	31.5	33.2	36.4	38.8	42.1	43.6	44.8	43.6	42.1	38.9	36.7	33.6	32.0	30.0	29.4	26.9
85	4.66	5.46	5.98	7.79	9.23	11.9	14.0	17.0	18.7	20.2	18.8	17.1	14.2	12.3	9.73	8.56	7.02	6.61	4.44
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.04	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.01	0.02
100	0.04	0.09	0.05	0.09	0.05	0.10	0.06	0.10	0.07	0.11	0.07	0.11	0.07	0.09	0.05	0.09	0.04	0.08	0.10
105	0.12	0.17	0.12	0.17	0.13	0.18	0.13	0.18	0.15	0.19	0.15	0.19	0.14	0.18	0.13	0.16	0.12	0.16	0.17
110	0.21	0.25	0.21	0.25	0.21	0.26	0.22	0.27	0.24	0.27	0.24	0.27	0.23	0.26	0.22	0.25	0.20	0.24	0.26
115	0.30	0.34	0.30	0.34	0.30	0.35	0.31	0.36	0.33	0.37	0.33	0.37	0.32	0.35	0.30	0.34	0.29	0.34	0.35
120	0.41	0.44	0.39	0.44	0.40	0.45	0.42	0.46	0.42	0.48	0.43	0.47	0.42	0.45	0.40	0.44	0.39	0.42	0.45
125	0.50	0.55	0.50	0.55	0.50	0.56	0.52	0.57	0.52	0.57	0.53	0.57	0.52	0.56	0.50	0.54	0.50	0.53	0.56
130	0.60	0.65	0.60	0.65	0.61	0.66	0.62	0.67	0.63	0.67	0.63	0.67	0.62	0.66	0.60	0.64	0.59	0.64	0.67
135	0.71	0.76	0.71	0.76	0.71	0.75	0.72	0.76	0.73	0.77	0.73	0.76	0.72	0.75	0.69	0.74	0.70	0.74	0.76
140	0.81	0.85	0.81	0.85	0.80	0.85	0.82	0.86	0.82	0.87	0.82	0.86	0.82	0.86	0.79	0.84	0.79	0.84	0.87
145	0.90	0.95	0.91	0.95	0.90	0.95	0.91	0.96	0.91	0.96	0.92	0.95	0.90	0.95	0.90	0.94	0.88	0.93	0.97
150	1.00	1.05	0.99	1.04	1.00	1.04	1.00	1.04	1.00	1.05	1.00	1.04	1.00	1.03	0.98	1.03	0.97	1.02	1.05
155	1.09	1.13	1.09	1.13	1.07	1.12	1.08	1.12	1.08	1.13	1.08	1.12	1.07	1.12	1.06	1.11	1.06	1.11	1.15
160	1.17	1.22	1.16	1.20	1.15	1.20	1.15	1.20	1.15	1.20	1.14	1.19	1.15	1.18	1.14	1.19	1.14	1.18	1.23
165	1.24	1.29	1.23	1.27	1.22	1.26	1.22	1.26	1.22	1.26	1.21	1.26	1.22	1.26	1.21	1.26	1.21	1.26	1.30
170	1.30	1.35	1.29	1.34	1.28	1.32	1.27	1.32	1.27	1.32	1.27	1.31	1.27	1.31	1.27	1.32	1.27	1.32	1.35
175	1.34	1.37	1.33	1.35	1.32	1.35	1.32	1.34	1.32	1.34	1.31	1.35	1.31	1.34	1.31	1.36	1.31	1.34	1.38
180	1.37	1.37	1.36	1.36	1.36	1.36	1.34	1.34	1.34	1.34	1.34	1.35	1.34	1.34	1.34	1.35	1.34	1.34	1.39

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-11

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

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:986.681x1 lm		
NAME: Fold20-s-3000k-Ra90-diffuse-16w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	387	386	385	384	383	383	383	382	382	382	381	381	381	381	381	381	381		
5	384	383	382	381	380	380	380	379	379	379	379	378	378	378	378	378	378		
10	376	375	374	373	373	373	372	372	372	372	371	371	371	371	370	370	370		
15	364	363	361	361	361	361	360	361	360	360	360	360	359	359	358	358	358		
20	347	346	345	345	345	345	345	345	345	345	344	344	343	343	342	342	342		
25	327	327	326	326	326	326	326	327	326	327	326	325	324	324	323	323	322		
30	305	304	303	304	304	305	305	305	305	305	304	304	302	302	301	301	300		
35	280	276	279	276	280	277	281	278	282	278	281	276	279	274	276	272	275		
40	253	250	253	250	254	252	255	253	256	253	255	251	253	249	250	247	249		
45	226	223	225	224	227	226	229	227	230	227	229	225	226	222	223	220	221		
50	197	195	197	196	199	198	201	200	203	200	201	198	198	195	195	192	193		
55	168	166	168	168	171	171	173	173	175	173	173	170	170	167	167	164	165		
60	137	137	137	139	140	143	143	145	146	145	143	142	140	139	136	135	134		
65	108	108	109	111	112	115	116	117	117	117	116	115	112	110	108	107	105		
70	79.3	80.2	80.6	82.8	84.2	87.0	88.2	90.1	90.1	90.2	88.4	87.1	84.1	82.3	79.7	78.6	77.1		
75	52.0	52.9	53.3	55.5	56.9	59.8	61.4	63.4	63.6	63.6	61.8	60.0	57.0	55.2	52.6	51.6	50.1		
80	26.2	27.1	27.5	29.5	30.9	33.6	35.3	37.8	38.1	38.1	35.8	34.0	31.0	29.3	26.9	26.0	24.7		
85	3.86	4.63	4.82	6.38	7.36	9.68	11.2	13.7	14.3	14.1	11.6	10.0	7.47	6.22	4.36	3.83	2.89		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.04	0.00	0.04	0.01	0.06	0.02	0.07	0.03	0.07	0.02	0.06	0.02	0.04	0.00	0.04	0.00		
100	0.06	0.10	0.07	0.11	0.08	0.12	0.10	0.14	0.10	0.14	0.10	0.13	0.08	0.11	0.06	0.10	0.05		
105	0.13	0.18	0.14	0.19	0.16	0.21	0.17	0.22	0.18	0.22	0.17	0.21	0.16	0.19	0.14	0.17	0.14		
110	0.22	0.26	0.23	0.28	0.25	0.30	0.26	0.31	0.28	0.32	0.26	0.30	0.24	0.28	0.23	0.26	0.21		
115	0.31	0.36	0.33	0.37	0.33	0.40	0.36	0.42	0.37	0.42	0.36	0.39	0.33	0.38	0.32	0.35	0.30		
120	0.41	0.46	0.42	0.48	0.44	0.49	0.46	0.52	0.47	0.51	0.46	0.50	0.44	0.48	0.42	0.46	0.41		
125	0.51	0.56	0.52	0.58	0.55	0.59	0.56	0.61	0.57	0.61	0.56	0.59	0.53	0.58	0.52	0.56	0.51		
130	0.62	0.67	0.63	0.68	0.65	0.70	0.66	0.71	0.67	0.71	0.67	0.69	0.64	0.68	0.62	0.66	0.60		
135	0.72	0.77	0.73	0.78	0.74	0.80	0.76	0.81	0.77	0.81	0.75	0.79	0.74	0.77	0.72	0.76	0.71		
140	0.82	0.87	0.83	0.88	0.84	0.90	0.86	0.91	0.87	0.91	0.85	0.89	0.84	0.87	0.82	0.85	0.81		
145	0.91	0.96	0.92	0.97	0.93	0.99	0.95	1.00	0.95	1.00	0.94	0.98	0.92	0.97	0.92	0.95	0.90		
150	1.01	1.05	1.01	1.05	1.02	1.07	1.02	1.09	1.04	1.07	1.02	1.06	1.01	1.05	1.01	1.04	0.99		
155	1.09	1.14	1.09	1.14	1.09	1.14	1.10	1.15	1.10	1.15	1.09	1.14	1.09	1.13	1.08	1.12	1.08		
160	1.16	1.21	1.17	1.21	1.17	1.22	1.17	1.23	1.18	1.22	1.17	1.22	1.17	1.21	1.16	1.20	1.15		
165	1.24	1.28	1.23	1.28	1.23	1.29	1.24	1.29	1.24	1.28	1.23	1.27	1.23	1.27	1.22	1.27	1.22		
170	1.30	1.34	1.29	1.33	1.29	1.33	1.29	1.33	1.29	1.33	1.28	1.33	1.28	1.32	1.28	1.32	1.28		
175	1.34	1.36	1.33	1.34	1.33	1.34	1.33	1.34	1.32	1.34	1.32	1.36	1.32	1.34	1.31	1.34	1.32		
180	1.37	1.37	1.35	1.35	1.34	1.35	1.34	1.34	1.34	1.34	1.35	1.35	1.34	1.34	1.34	1.34	1.34		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 0
 Test Date: 2022-06-11

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: