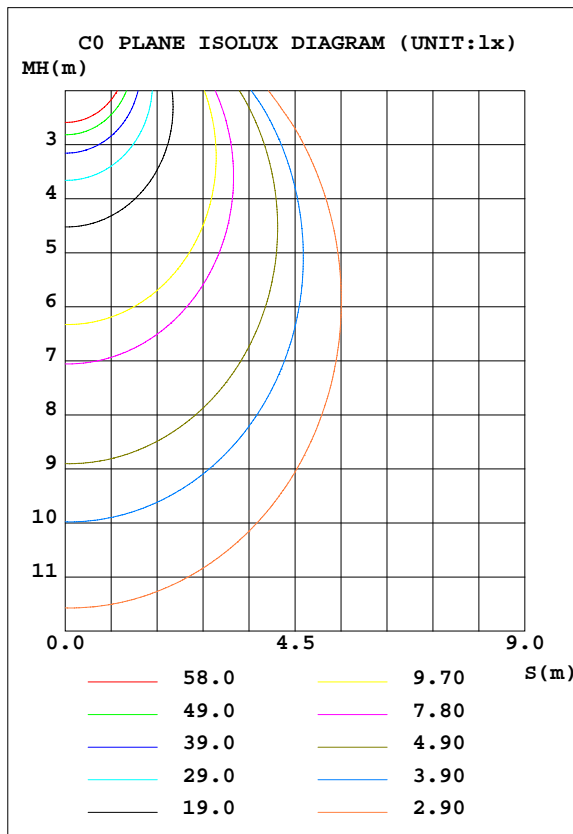
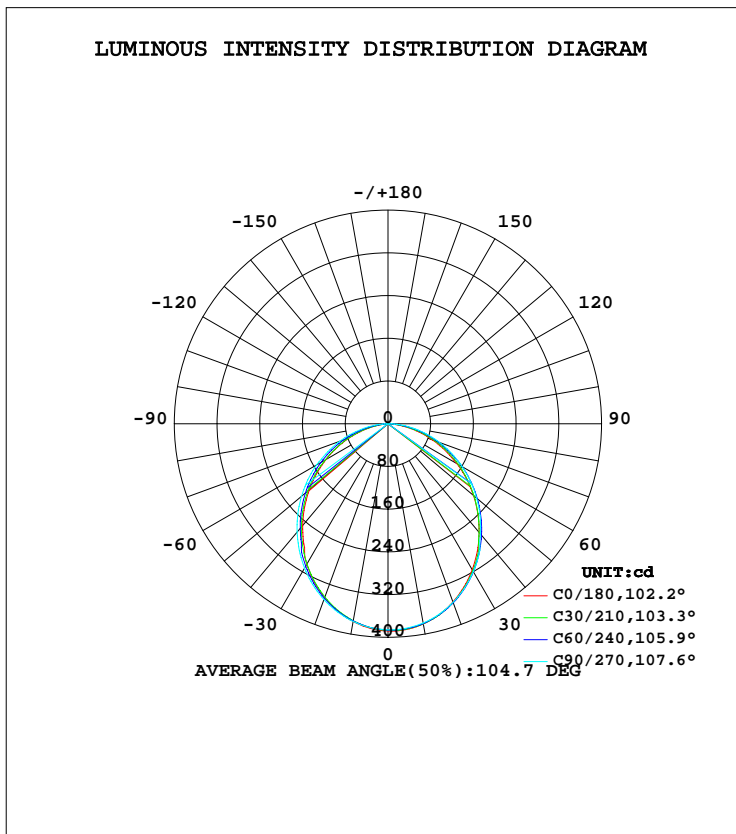


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: 15" Wide Linear LED Light 16-Watts	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Avenue Lighting	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 69.22 lm/W
MODEL	ML7240-BLK	I _{max} (cd)	388.4	S/MH(C0/180)	1.21	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1013.4	η UP, DN(C0-180)	0.2, 50.7	
NOMINAL FLUX(lm)	1013.43	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.0	
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:2022-06-09

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	$\%lum, lamp$
10	380.8	380.3	379.0	375.8	376.0	374.7	376.0	377.0	0- 10	36.44	36.44	3.6,3.6
20	355.3	356.7	356.0	349.5	346.6	346.4	350.5	351.6	10- 20	103.2	139.6	13.8,13.8
30	315.5	319.0	319.6	309.9	303.9	305.5	312.2	312.7	20- 30	153.4	293.0	28.9,28.9
40	265.6	269.1	269.3	259.0	248.5	253.8	264.8	262.2	30- 40	179.8	472.9	46.7,46.7
50	208.9	214.5	216.8	204.0	192.4	198.6	211.4	207.8	40- 50	180.9	653.7	64.5,64.5
60	148.4	156.1	160.5	145.2	134.2	140.0	154.8	149.9	50- 60	159.0	812.7	80.2,80.2
70	88.62	96.46	103.1	87.60	76.72	82.75	96.21	90.96	60- 70	117.7	930.5	91.8,91.8
80	32.99	40.11	47.67	32.78	22.93	28.28	41.37	35.29	70- 80	65.63	996.1	98.3,98.3
90	0.0013	0.0363	0.4447	0.0001	0	0.0048	0.0300	0.0050	80- 90	14.00	1010	99.7,99.7
100	0.0470	0.0755	0.1275	0.0991	0.1182	0.1203	0.1131	0.0967	90-100	0.0448	1010	99.7,99.7
110	0.2026	0.2359	0.3021	0.2666	0.2834	0.2879	0.2924	0.2596	100-110	0.1893	1010	99.7,99.7
120	0.3868	0.4341	0.5004	0.4624	0.4863	0.4955	0.4907	0.4577	110-120	0.3590	1011	99.7,99.7
130	0.5944	0.6417	0.7080	0.6701	0.6987	0.7008	0.6936	0.6654	120-130	0.5081	1011	99.8,99.8
140	0.8066	0.8424	0.8969	0.8636	0.9110	0.9013	0.8871	0.8637	130-140	0.5965	1012	99.8,99.8
150	0.9956	1.029	1.081	1.050	1.090	1.078	1.062	1.055	140-150	0.6037	1012	99.9,99.9
160	1.170	1.187	1.222	1.203	1.251	1.225	1.199	1.206	150-160	0.5223	1013	100,100
170	1.312	1.319	1.340	1.319	1.373	1.340	1.317	1.324	160-170	0.3583	1013	100,100
180	1.387	1.378	1.383	1.366	1.387	1.373	1.364	1.366	170-180	0.1286	1013	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

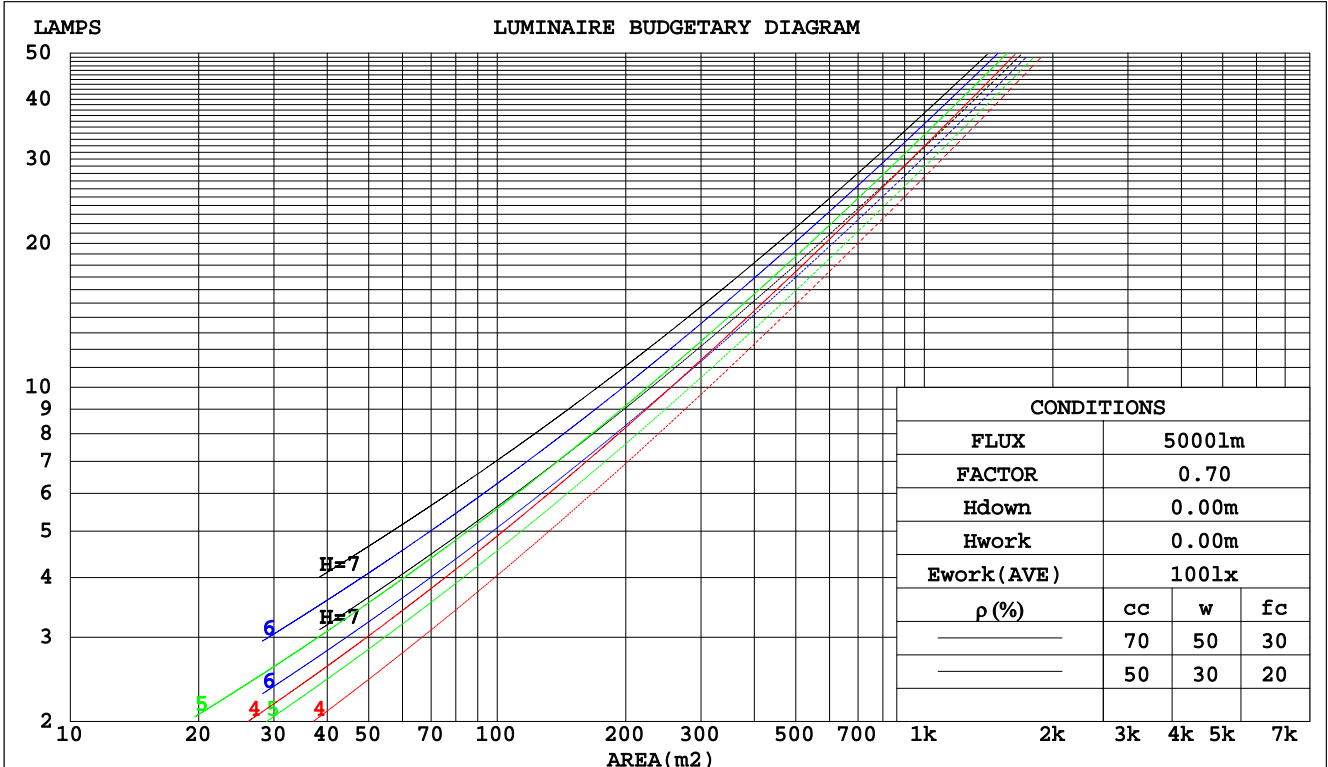
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	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	.96	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	.70
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.67	.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	.37	.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	.40	.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: 2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	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	.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	.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	.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	.162	.077	.022	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.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	.107	.094	.082	.061	.054	.048	.020	.017	.015	
2.0	.174	.134	.102	.149	.116	.088	.102	.080	.061	.059	.047	.036	.019	.015	.012	
3.0	.166	.117	.078	.142	.101	.067	.098	.070	.047	.056	.041	.028	.018	.013	.009	
4.0	.158	.103	.062	.136	.089	.054	.093	.062	.038	.054	.036	.022	.017	.012	.007	
5.0	.151	.093	.050	.129	.080	.044	.089	.056	.031	.052	.033	.018	.017	.011	.006	
6.0	.144	.085	.042	.123	.073	.037	.085	.051	.026	.049	.030	.015	.016	.010	.005	
7.0	.137	.078	.036	.118	.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:2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm										
NAME: Out40-s-3000k-Ra90-15W					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	16.8	18.3	17.1	18.5	18.7	17.2	18.6	17.4	18.8	19.1
3H	18.2	19.6	18.5	19.8	20.0	18.7	20.1	19.0	20.3	20.6
4H	18.7	20.0	19.0	20.3	20.5	19.4	20.7	19.7	20.9	21.2
6H	19.0	20.3	19.4	20.5	20.8	19.9	21.1	20.2	21.4	21.7
8H	19.1	20.3	19.5	20.6	20.9	20.1	21.3	20.4	21.6	21.9
12H	19.1	20.2	19.5	20.5	20.9	20.2	21.3	20.6	21.6	22.0
4H 2H	17.4	18.7	17.7	19.0	19.3	17.7	19.0	18.0	19.3	19.5
3H	19.0	20.1	19.4	20.4	20.8	19.5	20.6	19.8	20.9	21.2
4H	19.6	20.7	20.0	21.0	21.4	20.3	21.3	20.7	21.6	22.0
6H	20.1	21.0	20.5	21.4	21.7	20.9	21.9	21.3	22.2	22.6
8H	20.2	21.1	20.6	21.4	21.8	21.2	22.0	21.6	22.4	22.8
12H	20.2	21.0	20.7	21.4	21.8	21.3	22.1	21.8	22.5	22.9
8H 4H	19.9	20.8	20.4	21.2	21.6	20.5	21.4	20.9	21.7	22.1
6H	20.5	21.2	21.0	21.6	22.1	21.3	22.0	21.8	22.4	22.9
8H	20.7	21.3	21.2	21.8	22.2	21.6	22.3	22.1	22.7	23.2
12H	20.8	21.3	21.2	21.8	22.2	21.9	22.4	22.4	22.9	23.4
12H 4H	20.0	20.8	20.4	21.1	21.6	20.5	21.3	20.9	21.7	22.1
6H	20.6	21.2	21.1	21.7	22.1	21.4	22.0	21.8	22.4	22.9
8H	20.8	21.3	21.3	21.8	22.3	21.7	22.3	22.2	22.7	23.2
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 / - 0.3				

CIE Pub.117 Corrected 1013 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:2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

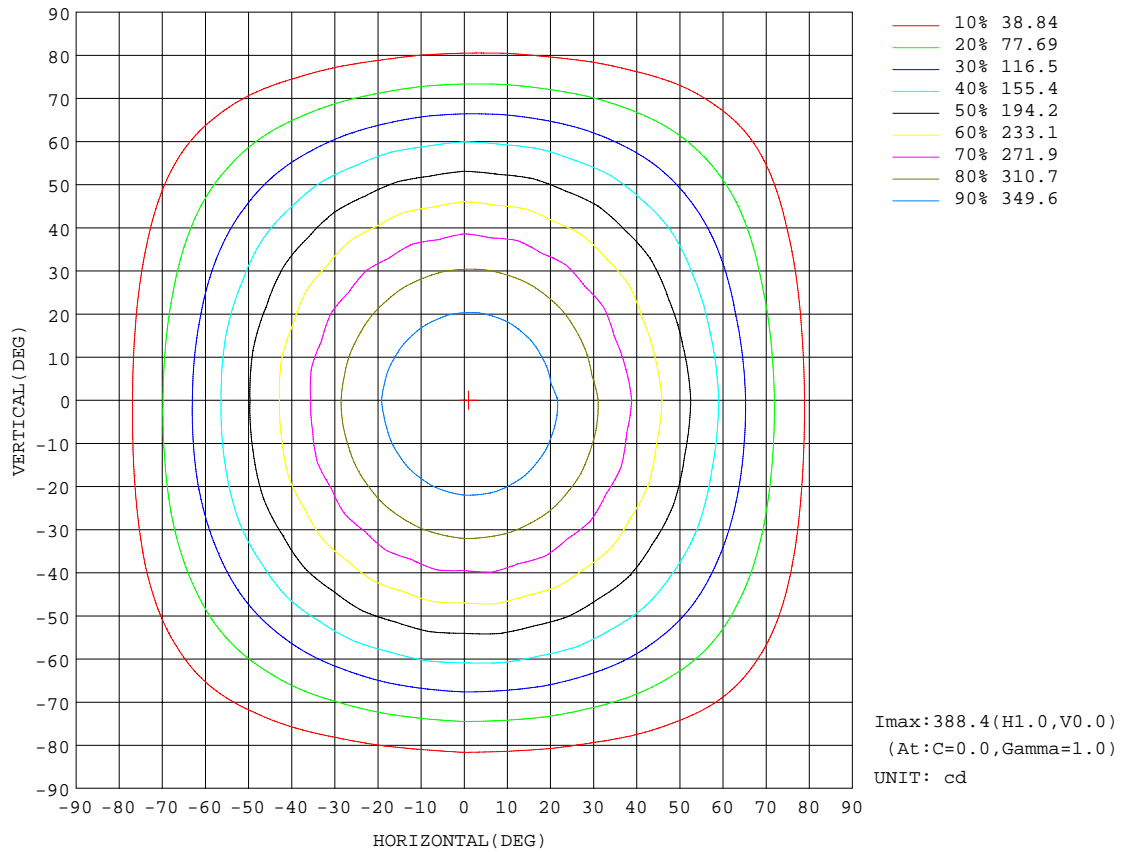
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	47	40	58	47	40	57	47	40	34
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	66	80	72	66	58
1.50	89	79	73	87	78	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	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	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: 2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

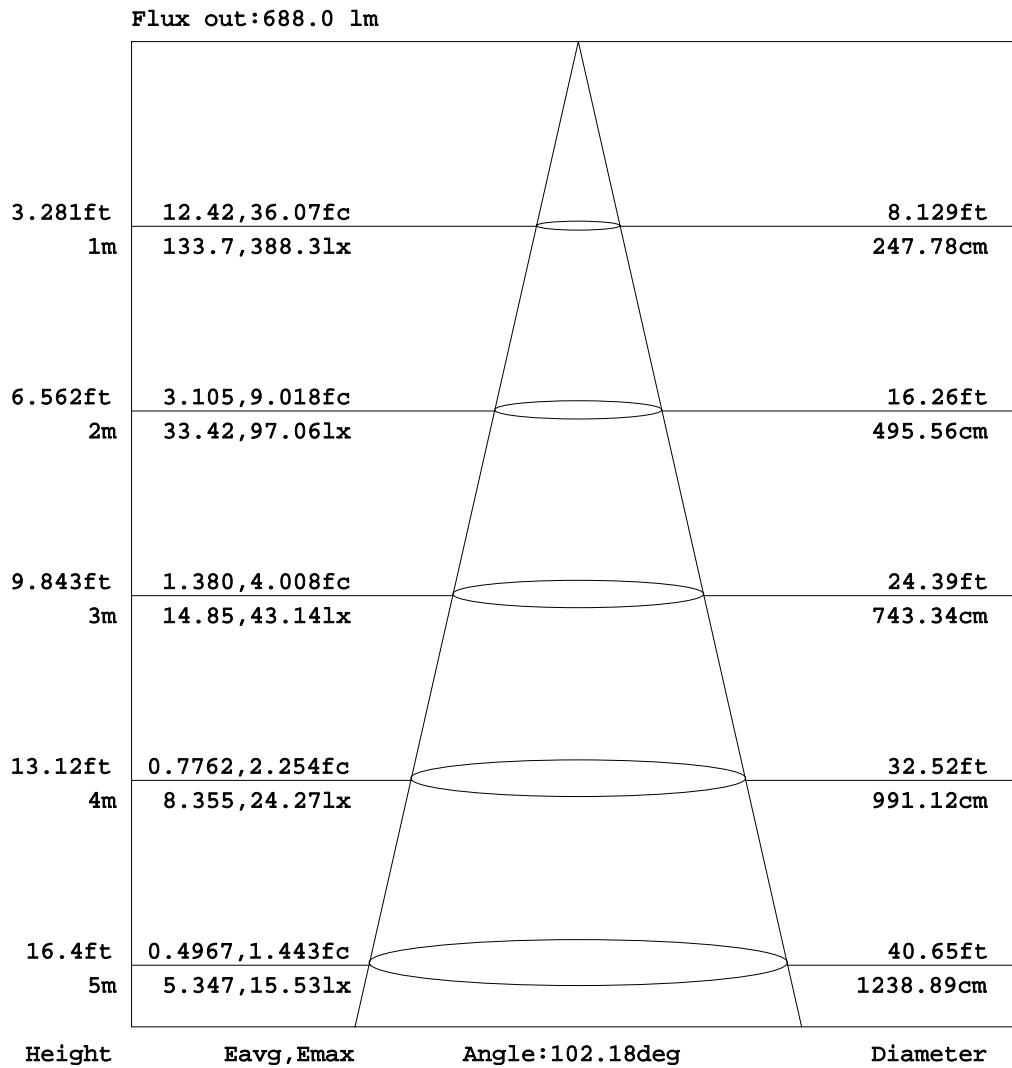


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 0
 Test Date: 2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



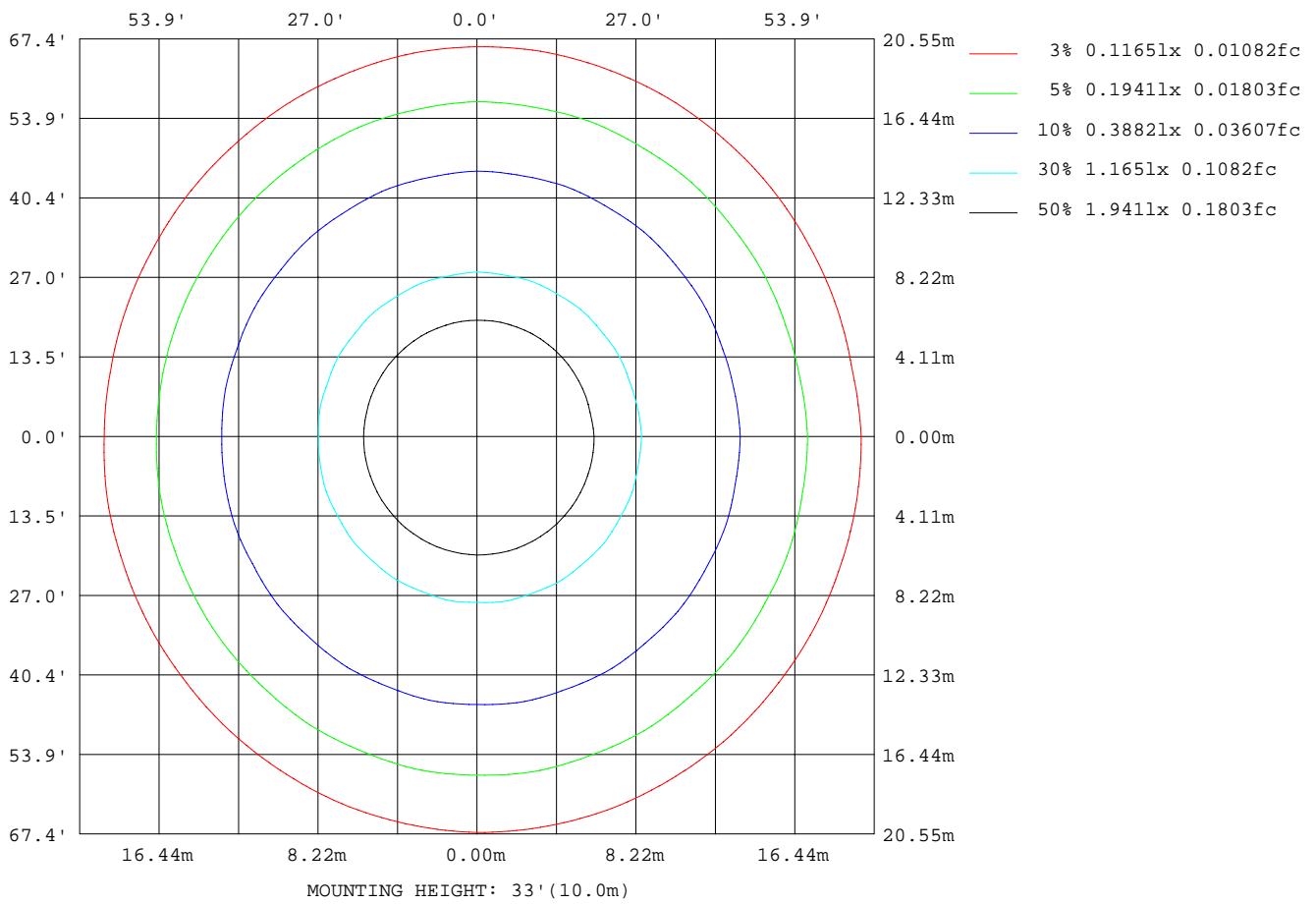
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	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: 2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	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	1013.43	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	3127	3105	3163	3161	3234	3239	3307	3293	3339	3294	3295	3206	3175	3071	3040	2952	2942	2885	2848
60	2969	2971	3028	3038	3114	3131	3207	3205	3250	3209	3200	3105	3057	2946	2861	2807	2751	2732	2683
65	2789	2815	2838	2894	2940	3009	3054	3106	3115	3117	3058	2989	2884	2799	2702	2637	2573	2549	2488
70	2591	2625	2652	2723	2777	2863	2919	2995	3010	3015	2941	2854	2724	2621	2501	2427	2347	2322	2243
75	2324	2370	2402	2493	2562	2676	2751	2855	2883	2898	2796	2683	2509	2383	2225	2135	2033	2005	1894
80	1900	1962	2007	2133	2228	2391	2501	2657	2718	2745	2594	2422	2177	1993	1783	1655	1524	1482	1320
85	963	1066	1135	1346	1503	1777	1982	2270	2413	2488	2195	1869	1440	1130	795	612	426	381	178

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	3339	200	---	500
Category 2	65 to 90	3117	200	---	500
Category 3	75 to 90	2898	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:2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	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	1013.43	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	3127	3105	3163	3161	3234	3239	3307	3293	3339	3294	3295	3206	3175	3071	3040	2952	2942	2885	2848
60	2969	2971	3028	3038	3114	3131	3207	3205	3250	3209	3200	3105	3057	2946	2861	2807	2751	2732	2683
65	2789	2815	2838	2894	2940	3009	3054	3106	3115	3117	3058	2989	2884	2799	2702	2637	2573	2549	2488
70	2591	2625	2652	2723	2777	2863	2919	2995	3010	3015	2941	2854	2724	2621	2501	2427	2347	2322	2243
75	2324	2370	2402	2493	2562	2676	2751	2855	2883	2898	2796	2683	2509	2383	2225	2135	2033	2005	1894
80	1900	1962	2007	2133	2228	2391	2501	2657	2718	2745	2594	2422	2177	1993	1783	1655	1524	1482	1320
85	963	1066	1135	1346	1503	1777	1982	2270	2413	2488	2195	1869	1440	1130	795	612	426	381	178

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	3339	1000	1500	200	500
65 to 90	3117	1000	1500	200	500

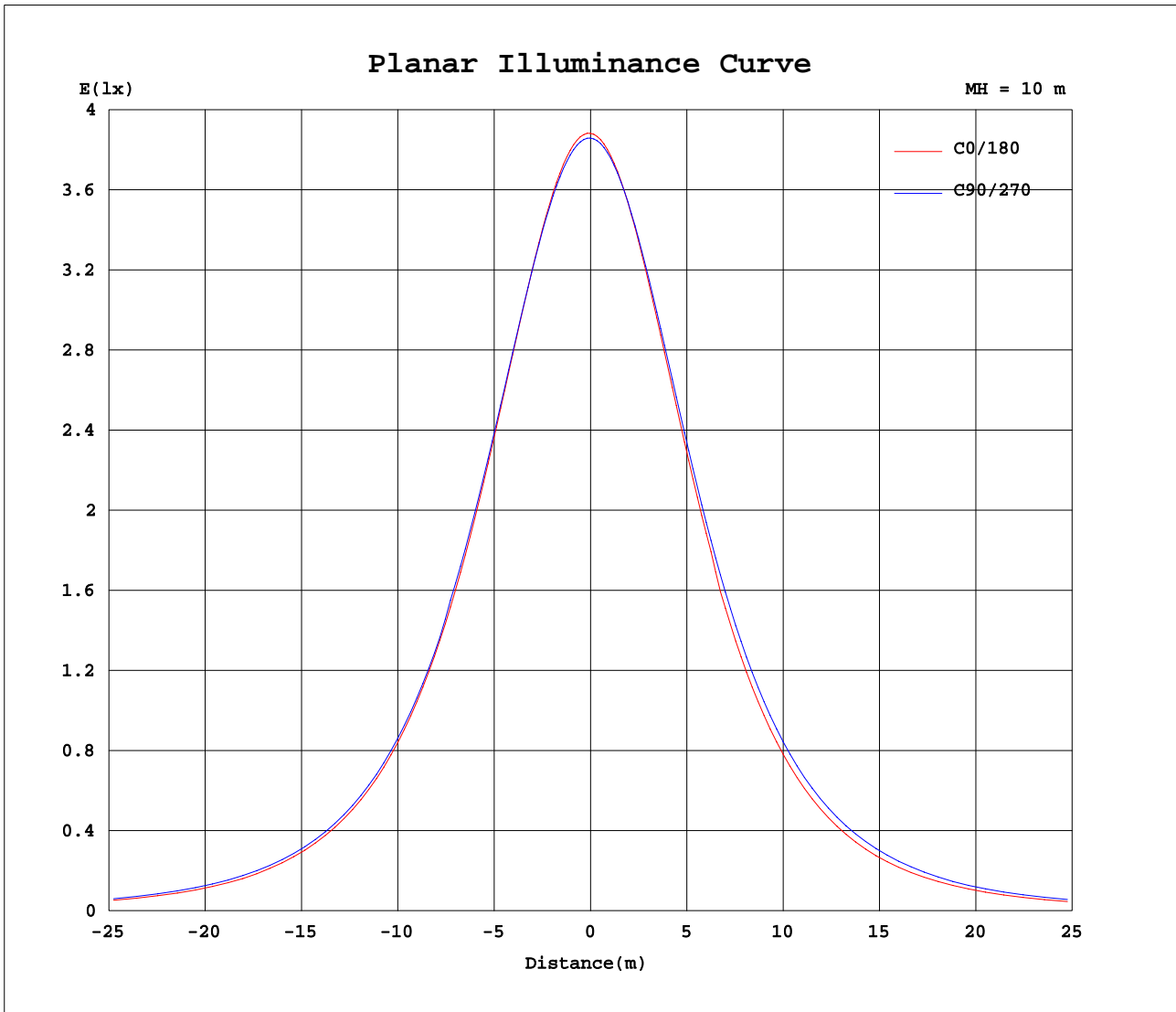
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-09

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: 2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	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	388	387	387	387	387	386	386	386	386	386	386	386	386	386	386	385	386	388
5	387	387	386	386	386	386	385	385	385	384	384	384	383	383	383	383	382	382	385
10	381	381	380	381	380	380	380	380	379	379	378	378	377	376	375	375	374	374	376
15	370	370	370	370	370	371	370	370	370	369	368	367	366	365	364	363	362	362	363
20	355	356	356	356	356	357	357	357	356	356	355	353	352	350	349	348	346	346	347
25	337	338	338	339	339	340	340	340	340	339	338	336	334	332	330	329	327	327	327
30	316	316	316	318	318	320	320	321	320	320	318	316	313	311	309	307	305	304	304
35	292	293	293	295	295	297	297	298	298	298	295	294	290	286	285	279	280	276	275
40	266	263	267	265	270	268	273	270	273	269	271	265	265	259	259	253	254	250	248
45	238	236	240	239	243	242	246	244	247	244	245	239	239	232	232	226	226	222	221
50	209	207	211	210	215	214	218	217	220	217	217	212	211	205	203	198	198	194	192
55	179	178	181	181	186	186	190	189	192	189	189	184	182	176	174	169	169	165	163
60	148	149	151	152	156	157	160	160	163	160	160	155	153	147	143	140	138	137	134
65	118	119	120	122	124	127	129	131	132	132	129	126	122	118	114	111	109	108	105
70	88.6	89.8	90.7	93.1	95.0	97.9	99.8	102	103	103	101	97.6	93.2	89.6	85.5	83.0	80.3	79.4	76.7
75	60.2	61.3	62.2	64.5	66.3	69.3	71.2	73.9	74.6	75.0	72.4	69.4	64.9	61.7	57.6	55.3	52.6	51.9	49.0
80	33.0	34.1	34.9	37.0	38.7	41.5	43.4	46.1	47.2	47.7	45.0	42.1	37.8	34.6	31.0	28.7	26.5	25.7	22.9
85	8.39	9.29	9.90	11.7	13.1	15.5	17.3	19.8	21.0	21.7	19.1	16.3	12.5	9.84	6.93	5.33	3.71	3.32	1.55
90	0.00	0.00	0.02	0.00	0.04	0.03	0.10	0.21	0.31	0.44	0.08	0.00	0.01	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	0.05	0.02	0.06	0.02	0.06	0.02	0.05	0.00	0.04	0.00	0.04	0.05
100	0.05	0.08	0.05	0.09	0.05	0.10	0.07	0.12	0.08	0.13	0.09	0.13	0.08	0.12	0.08	0.11	0.06	0.11	0.12
105	0.11	0.15	0.12	0.17	0.13	0.18	0.15	0.20	0.16	0.22	0.17	0.21	0.16	0.20	0.15	0.19	0.14	0.18	0.20
110	0.20	0.24	0.20	0.25	0.21	0.26	0.23	0.28	0.25	0.30	0.26	0.30	0.25	0.29	0.25	0.28	0.22	0.28	0.28
115	0.29	0.34	0.29	0.34	0.31	0.35	0.33	0.38	0.35	0.40	0.36	0.40	0.35	0.38	0.33	0.37	0.33	0.36	0.38
120	0.39	0.43	0.39	0.44	0.41	0.46	0.43	0.48	0.45	0.50	0.46	0.50	0.45	0.49	0.44	0.48	0.42	0.47	0.49
125	0.50	0.54	0.49	0.55	0.51	0.56	0.52	0.58	0.55	0.60	0.57	0.60	0.55	0.59	0.54	0.59	0.53	0.58	0.60
130	0.59	0.65	0.59	0.65	0.61	0.67	0.64	0.68	0.65	0.71	0.66	0.71	0.66	0.70	0.64	0.68	0.64	0.68	0.70
135	0.71	0.75	0.70	0.76	0.72	0.77	0.74	0.78	0.75	0.80	0.75	0.81	0.76	0.79	0.75	0.79	0.74	0.78	0.81
140	0.81	0.84	0.81	0.86	0.82	0.87	0.84	0.89	0.85	0.90	0.85	0.91	0.85	0.89	0.84	0.89	0.84	0.88	0.91
145	0.90	0.95	0.90	0.96	0.92	0.97	0.93	0.98	0.93	0.99	0.95	1.00	0.94	0.99	0.93	0.99	0.93	0.98	1.00
150	1.00	1.05	1.00	1.06	1.01	1.05	1.01	1.07	1.03	1.08	1.03	1.08	1.03	1.07	1.03	1.08	1.03	1.07	1.09
155	1.08	1.13	1.09	1.13	1.09	1.14	1.09	1.14	1.10	1.15	1.11	1.16	1.11	1.15	1.11	1.16	1.10	1.16	1.18
160	1.17	1.22	1.17	1.22	1.16	1.21	1.17	1.22	1.17	1.22	1.18	1.23	1.18	1.23	1.17	1.23	1.18	1.24	1.25
165	1.24	1.29	1.24	1.28	1.24	1.28	1.24	1.28	1.24	1.29	1.25	1.29	1.24	1.29	1.25	1.29	1.25	1.29	1.31
170	1.31	1.36	1.30	1.35	1.30	1.34	1.29	1.34	1.29	1.34	1.30	1.34	1.30	1.34	1.29	1.35	1.31	1.36	1.37
175	1.35	1.39	1.35	1.38	1.34	1.38	1.34	1.37	1.34	1.37	1.34	1.36	1.34	1.36	1.34	1.37	1.34	1.37	1.39
180	1.39	1.39	1.38	1.38	1.38	1.38	1.37	1.37	1.37	1.38	1.36	1.36	1.36	1.37	1.36	1.37	1.37	1.37	1.39

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-09

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:0.6100A P:14.64W PF:1.000 Lamp Flux:1013.43x1 lm		
NAME: Out40-s-3000k-Ra90-15W	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	388	387	387	387	387	386	386	386	386	386	386	386	386	386	386	385	386		
5	384	384	383	383	383	383	383	383	383	383	383	383	383	384	384	384	384		
10	375	375	375	375	375	375	375	376	376	376	377	377	377	377	377	377	377		
15	362	362	362	362	363	363	364	365	365	366	366	366	366	366	366	366	366		
20	346	346	345	346	347	348	349	350	350	351	351	352	352	352	351	352	351		
25	326	326	326	327	328	329	330	332	333	334	334	334	333	334	333	333	333		
30	303	303	303	305	306	308	309	311	312	313	313	313	313	313	312	312	311		
35	278	275	279	277	282	283	286	287	289	291	290	291	289	290	288	286	287		
40	251	248	252	251	256	256	261	260	265	262	265	262	264	260	262	259	261		
45	223	221	225	224	229	229	235	234	239	237	239	236	238	234	235	232	234		
50	194	193	196	196	201	202	207	207	211	210	212	209	210	206	207	203	205		
55	165	164	167	168	172	174	179	180	183	182	183	180	181	177	178	174	176		
60	134	135	136	139	141	145	149	151	155	154	155	152	152	148	147	145	145		
65	105	106	107	110	113	116	120	123	124	125	124	123	121	119	117	116	114		
70	76.2	77.5	78.6	81.4	84.1	87.9	91.1	94.7	96.2	96.9	95.6	94.3	91.7	90.2	87.9	86.9	85.5		
75	48.5	49.8	50.9	53.7	56.2	60.0	63.1	66.8	68.4	69.0	67.4	65.9	63.4	61.8	59.6	58.7	57.3		
80	22.5	23.6	24.6	27.1	29.4	33.1	36.1	39.8	41.4	41.9	40.0	38.5	36.0	34.6	32.4	31.7	30.3		
85	1.33	1.87	2.25	3.94	5.45	8.38	10.8	14.2	15.8	16.1	14.1	12.9	10.6	9.60	7.84	7.40	6.32		
90	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.00		
95	0.01	0.06	0.01	0.06	0.03	0.08	0.04	0.09	0.05	0.08	0.03	0.06	0.01	0.04	0.00	0.03	0.00		
100	0.08	0.12	0.09	0.14	0.10	0.15	0.11	0.16	0.11	0.15	0.10	0.14	0.08	0.11	0.06	0.09	0.06		
105	0.16	0.20	0.17	0.22	0.18	0.24	0.19	0.24	0.20	0.23	0.18	0.21	0.16	0.19	0.14	0.18	0.13		
110	0.24	0.30	0.25	0.31	0.27	0.33	0.28	0.34	0.29	0.33	0.26	0.30	0.25	0.27	0.22	0.26	0.21		
115	0.34	0.39	0.35	0.41	0.38	0.42	0.39	0.43	0.39	0.43	0.36	0.40	0.34	0.37	0.31	0.35	0.30		
120	0.45	0.50	0.46	0.51	0.48	0.53	0.49	0.54	0.49	0.53	0.48	0.51	0.44	0.47	0.42	0.45	0.40		
125	0.55	0.60	0.57	0.62	0.58	0.63	0.59	0.65	0.60	0.63	0.58	0.61	0.54	0.58	0.51	0.56	0.50		
130	0.66	0.71	0.67	0.72	0.68	0.74	0.69	0.75	0.69	0.73	0.68	0.71	0.65	0.68	0.63	0.66	0.61		
135	0.75	0.79	0.77	0.82	0.79	0.84	0.79	0.85	0.80	0.83	0.78	0.82	0.75	0.78	0.72	0.76	0.72		
140	0.86	0.92	0.86	0.93	0.88	0.93	0.89	0.94	0.89	0.93	0.87	0.91	0.85	0.88	0.83	0.87	0.82		
145	0.95	1.00	0.96	1.01	0.97	1.02	0.98	1.04	0.98	1.02	0.96	1.00	0.94	0.98	0.92	0.96	0.91		
150	1.04	1.10	1.05	1.10	1.05	1.10	1.06	1.11	1.06	1.11	1.05	1.09	1.04	1.07	1.01	1.05	1.01		
155	1.13	1.17	1.12	1.18	1.14	1.18	1.14	1.18	1.13	1.18	1.13	1.17	1.12	1.15	1.10	1.14	1.09		
160	1.20	1.25	1.19	1.25	1.20	1.25	1.20	1.25	1.20	1.25	1.19	1.24	1.18	1.23	1.17	1.21	1.17		
165	1.27	1.31	1.26	1.31	1.26	1.30	1.26	1.31	1.26	1.30	1.26	1.30	1.25	1.29	1.24	1.29	1.24		
170	1.33	1.36	1.32	1.36	1.32	1.35	1.32	1.35	1.32	1.35	1.30	1.35	1.30	1.35	1.30	1.35	1.30		
175	1.35	1.39	1.35	1.37	1.34	1.36	1.34	1.36	1.34	1.36	1.34	1.36	1.34	1.37	1.34	1.36	1.34		
180	1.39	1.39	1.37	1.38	1.37	1.37	1.37	1.37	1.36	1.37	1.36	1.37	1.36	1.37	1.36	1.37	1.37		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-09

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: