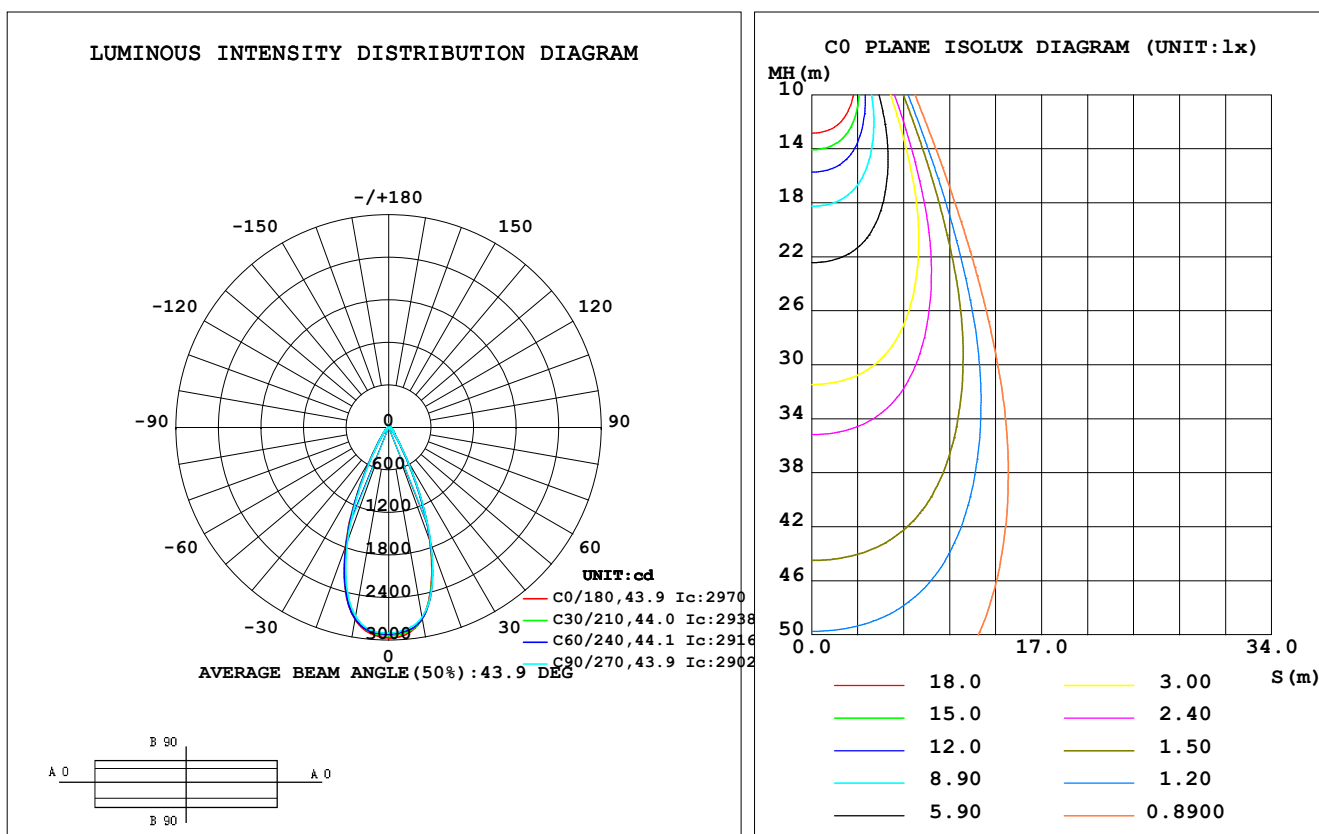


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm					
NAME: TL45-20G27-45-M		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:80		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.17 lm/W
MODEL	2700K CRI90	I _{max} (cd)	2970	S/MH(C0/180)	0.68	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.67	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1772.2	η UP,DN(C0-180)	2.3,48.1	
NOMINAL FLUX(lm)	1772.17	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.9,47.8	
LAMPS INSIDE	1	η up(%)	4.1	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	225	η down(%)	95.9	CIBSE SHR MAX	0.70	



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZR
 Test Date: 2021-03-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 7.028m [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	2733	2737	2715	2660	2747	2735	2702	2653	0- 10	268.8	268.8	15.2,15.2
20	1703	1721	1735	1715	1783	1752	1693	1665	10- 20	630.4	899.3	50.7,50.7
30	484.9	493.0	509.4	508.6	537.0	514.8	478.3	477.8	20- 30	473.3	1373	77.5,77.5
40	136.1	137.6	138.3	138.8	145.6	137.0	133.0	132.1	30- 40	162.0	1535	86.6,86.6
50	66.32	67.24	69.02	68.39	69.70	65.91	66.03	65.10	40- 50	72.60	1607	90.7,90.7
60	39.53	40.04	41.24	40.98	41.56	39.59	39.54	38.90	50- 60	46.48	1654	93.3,93.3
70	22.50	22.84	23.51	23.33	23.46	22.49	22.19	21.87	60- 70	30.67	1684	95,95
80	3.596	3.850	4.237	4.164	3.594	3.297	2.952	2.857	70- 80	12.75	1697	95.8,95.8
90	1.820	1.790	1.752	1.749	0.9922	0.9769	0.9532	0.9623	80- 90	1.625	1699	95.9,95.9
100	2.870	2.800	2.740	2.713	1.649	1.633	1.640	1.643	90-100	1.878	1701	96,96
110	5.018	4.896	4.780	4.735	3.446	3.447	3.478	3.471	100-110	3.231	1704	96.1,96.1
120	8.467	8.280	8.096	8.025	6.518	6.507	6.548	6.535	110-120	5.592	1709	96.5,96.5
130	12.95	12.67	12.46	12.37	10.51	10.44	10.46	10.45	120-130	8.357	1718	96.9,96.9
140	18.94	18.56	18.21	18.09	15.57	15.47	15.48	15.45	130-140	10.81	1729	97.5,97.5
150	29.30	28.81	28.16	27.96	23.66	23.53	23.55	23.44	140-150	13.10	1742	98.3,98.3
160	41.44	40.93	40.32	39.90	33.86	33.59	33.43	33.18	150-160	14.48	1756	99.1,99.1
170	49.24	48.62	48.20	47.87	42.46	41.98	41.48	41.30	160-170	11.53	1768	99.7,99.7
180	51.75	51.20	50.82	50.48	51.92	51.20	50.78	50.47	170-180	4.528	1772	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1575.7 lm

%lum = 88.9%

%lamp = 88.9%

Conical surface Flux(120deg): 1653.6 lm

%lum = 93.3%

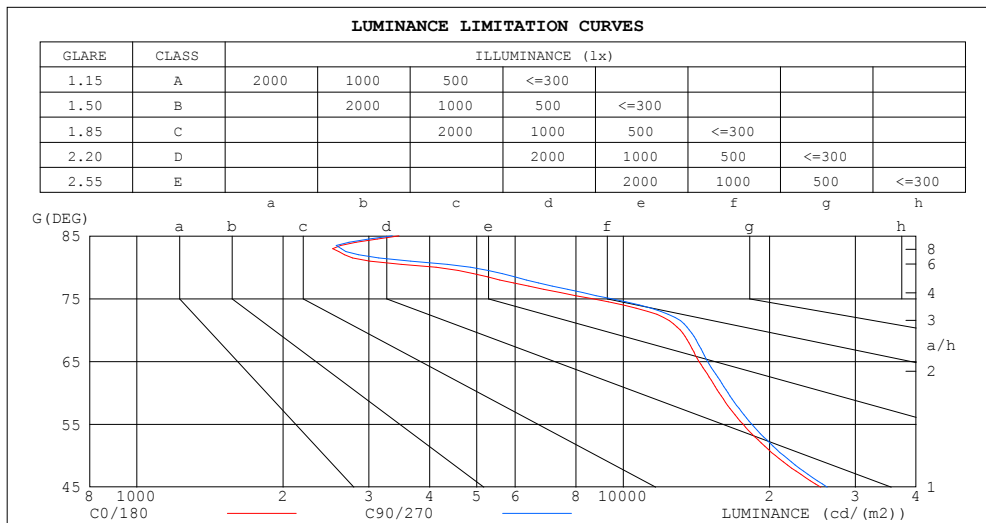
%lamp = 93.3%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZR
 Test Date:2021-03-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:7.028m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm		
NAME: TL45-20G27-45-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3460	3352
80	4122	4856
75	8621	9428
70	13096	13680
65	14314	14906
60	15735	16418
55	17633	18383
50	20538	21372
45	25474	26284

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-03-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:7.028m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm					
NAME: TL45-20G27-45-M			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:80		Shielding 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	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.178	.101	.032	.170	.097	.031	.155	.089	.028	.141	.082	.026	.129	.075	.024	
2.0	.168	.092	.028	.162	.089	.027	.149	.083	.026	.137	.077	.024	.126	.071	.023	
3.0	.159	.084	.025	.153	.082	.025	.142	.077	.023	.131	.072	.022	.122	.068	.021	
4.0	.149	.078	.023	.144	.076	.022	.135	.071	.021	.126	.068	.020	.117	.064	.019	
5.0	.141	.072	.021	.137	.070	.020	.128	.067	.020	.120	.064	.019	.113	.060	.018	
6.0	.134	.067	.019	.130	.066	.019	.122	.063	.018	.115	.060	.018	.109	.057	.017	
7.0	.127	.063	.018	.124	.062	.018	.117	.059	.017	.110	.057	.016	.105	.054	.016	
8.0	.121	.059	.017	.118	.058	.016	.112	.056	.016	.106	.054	.015	.101	.052	.015	
9.0	.116	.056	.016	.113	.055	.015	.107	.053	.015	.102	.051	.015	.097	.049	.014	
10.0	.110	.053	.015	.108	.052	.015	.103	.050	.014	.098	.049	.014	.094	.047	.014	

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	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.222	.222	.222	.190	.190	.190	.130	.130	.130	.074	.074	.074	.024	.024	.024	
1.0	.203	.189	.177	.174	.162	.152	.119	.112	.105	.068	.065	.061	.022	.021	.020	
2.0	.188	.165	.145	.161	.142	.125	.110	.098	.087	.064	.057	.051	.020	.018	.017	
3.0	.175	.146	.122	.150	.126	.106	.103	.087	.074	.060	.051	.044	.019	.017	.014	
4.0	.165	.131	.106	.141	.113	.092	.097	.079	.065	.056	.046	.038	.018	.015	.013	
5.0	.156	.120	.093	.134	.103	.081	.092	.072	.057	.053	.042	.034	.017	.014	.011	
6.0	.148	.110	.083	.127	.095	.072	.088	.067	.051	.051	.039	.030	.016	.013	.010	
7.0	.141	.103	.076	.121	.089	.066	.084	.062	.047	.049	.037	.028	.016	.012	.009	
8.0	.135	.096	.070	.116	.084	.061	.080	.059	.043	.047	.035	.026	.015	.011	.009	
9.0	.130	.091	.065	.112	.079	.057	.077	.056	.040	.045	.033	.024	.015	.011	.008	
10.0	.125	.087	.061	.108	.075	.053	.075	.053	.038	.044	.031	.023	.014	.010	.007	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-03-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:7.028m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm											
NAME: TL45-20G27-45-M					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.:80			Shielding 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		16.1	17.0	16.4	17.2	17.4	16.1	17.0	16.4	17.2	17.5
	3H	16.8	17.6	17.1	17.9	18.2	16.9	17.7	17.2	18.0	18.2
	4H	17.0	17.8	17.3	18.1	18.4	17.1	17.9	17.4	18.2	18.4
	6H	17.0	17.7	17.4	18.0	18.3	17.1	17.8	17.5	18.1	18.5
	8H	17.0	17.6	17.3	18.0	18.3	17.1	17.8	17.4	18.1	18.4
	12H	16.9	17.6	17.3	17.9	18.3	17.0	17.7	17.4	18.0	18.4
4H	2H	16.3	17.1	16.7	17.4	17.7	16.4	17.1	16.7	17.4	17.7
	3H	17.2	17.9	17.6	18.2	18.6	17.3	18.0	17.7	18.3	18.7
	4H	17.5	18.1	17.9	18.4	18.8	17.6	18.2	18.0	18.5	18.9
	6H	17.5	18.0	17.9	18.4	18.8	17.6	18.1	18.0	18.5	19.0
	8H	17.4	17.9	17.9	18.4	18.8	17.6	18.1	18.0	18.5	18.9
	12H	17.4	17.8	17.9	18.3	18.8	17.5	18.0	18.0	18.4	18.9
8H	4H	17.5	18.0	17.9	18.4	18.9	17.6	18.1	18.0	18.5	18.9
	6H	17.5	17.9	18.0	18.4	18.9	17.6	18.0	18.1	18.5	19.0
	8H	17.5	17.8	18.0	18.3	18.8	17.6	17.9	18.1	18.4	19.0
	12H	17.4	17.7	18.0	18.3	18.8	17.5	17.9	18.1	18.4	18.9
12H	4H	17.4	17.9	17.9	18.3	18.8	17.5	18.0	18.0	18.4	18.9
	6H	17.5	17.8	18.0	18.3	18.8	17.6	17.9	18.1	18.4	18.9
	8H	17.4	17.7	18.0	18.2	18.8	17.5	17.8	18.1	18.4	18.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 1.0					+ 0.7 / - 0.9					
1.5H	+ 1.2 / - 0.7					+ 1.3 / - 0.6					
2.0H	+ 1.1 / - 0.8					+ 1.1 / - 0.8					

CIE Pub.117, 1772 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.0$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-03-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:7.028m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm		
NAME: TL45-20G27-45-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:

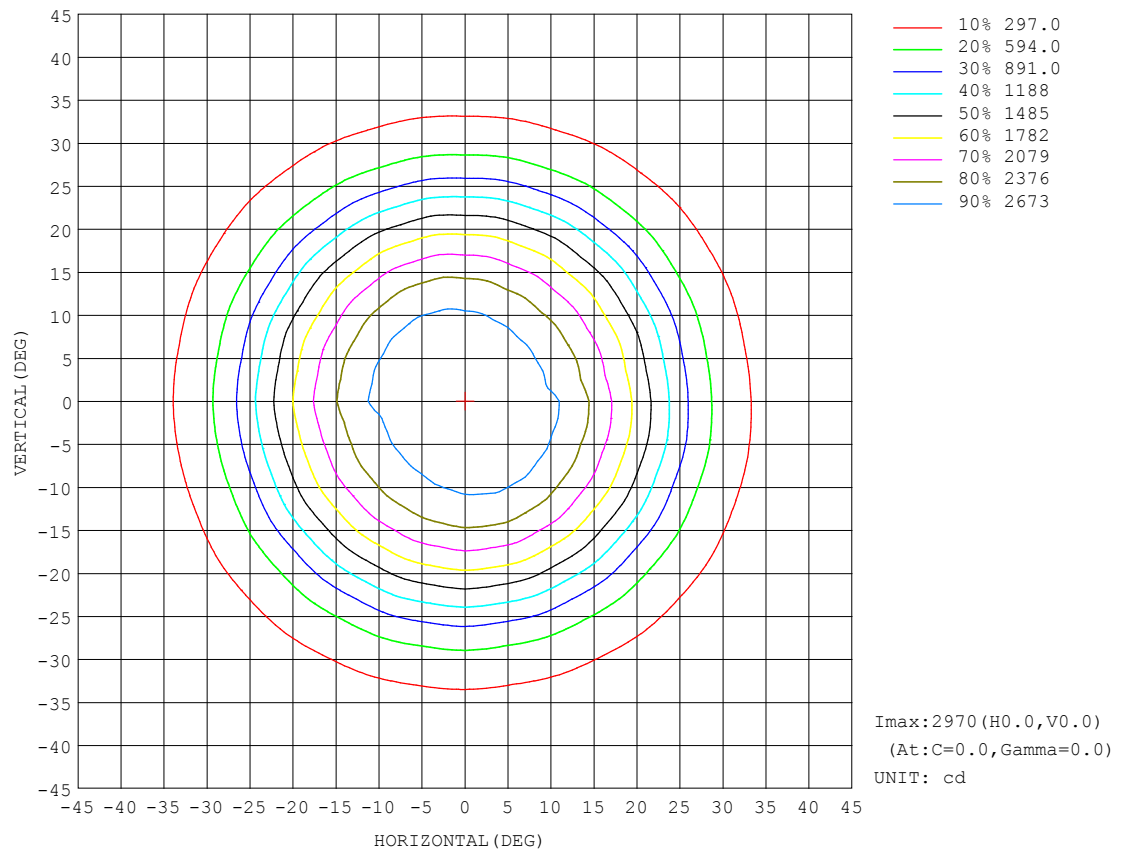
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	81	76	72	68
0.80	91	84	80	90	84	80	88	83	80	75
1.00	96	89	85	94	89	85	92	88	84	80
1.25	100	94	90	99	93	90	96	92	89	83
1.50	103	98	94	101	97	93	98	95	92	86
2.00	106	101	98	104	100	97	101	97	95	88
2.50	108	104	100	106	102	99	102	99	97	90
3.00	110	106	103	107	104	101	103	101	99	91
4.00	112	109	106	109	107	105	105	103	101	93
5.00	113	111	109	111	109	107	106	104	103	94
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:ZR
Test Date:2021-03-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:7.028m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm		
NAME: TL45-20G27-45-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:

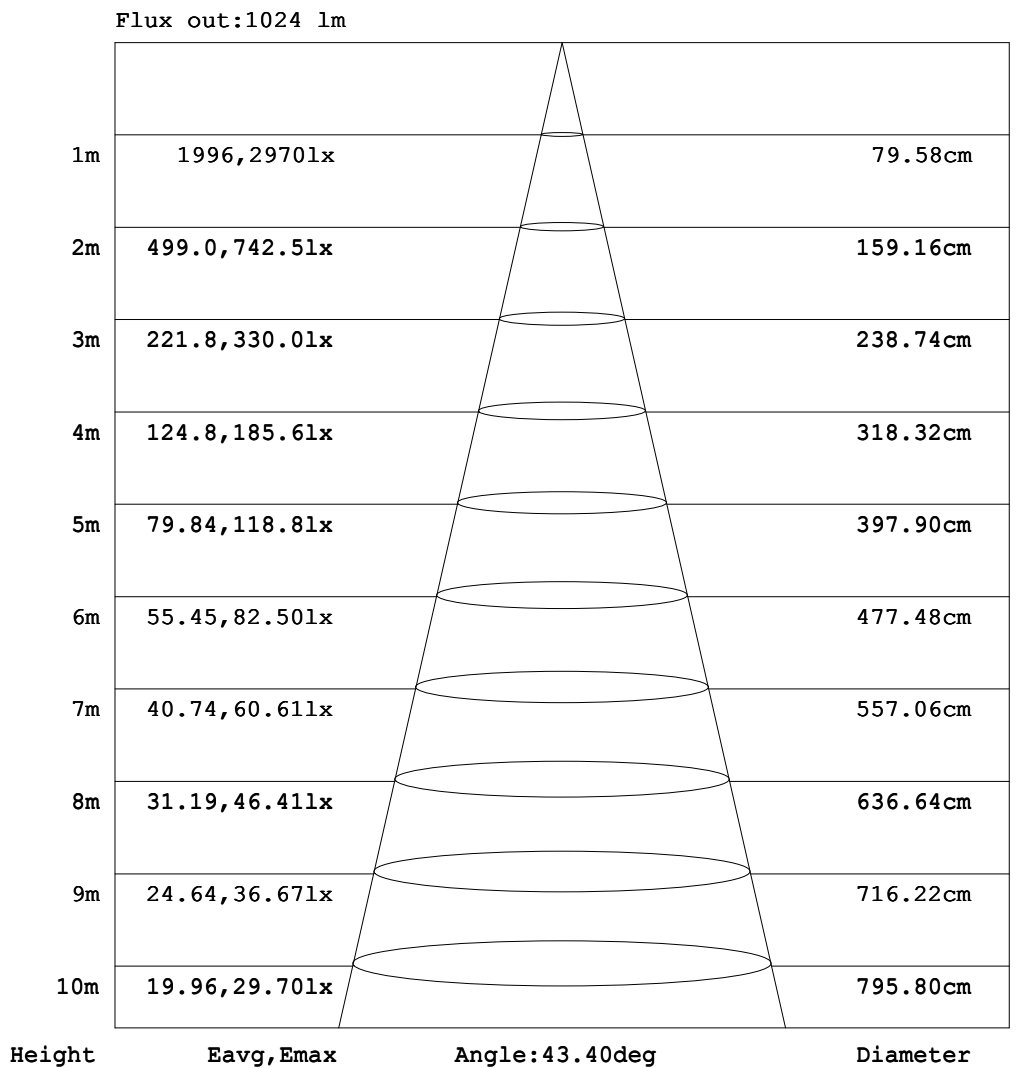


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-03-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:7.028m [K=1.0000]
Remarks:

AAI Figure

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm		
NAME: TL45-20G27-45-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:

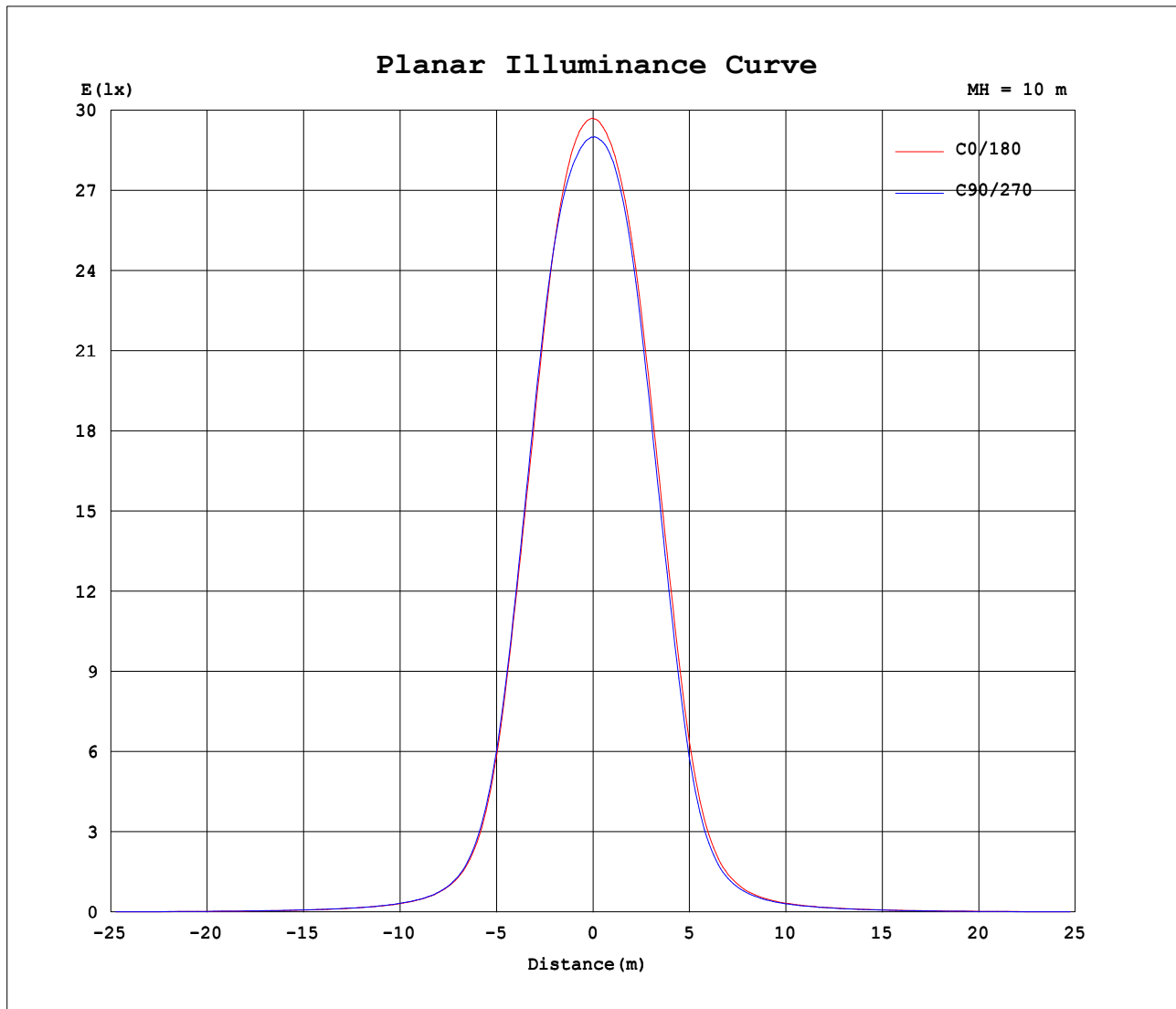


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZR
 Test Date: 2021-03-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 7.028m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZR
Test Date: 2021-03-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 7.028m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm		
NAME: TL45-20G27-45-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding 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	2970	2959	2948	2938	2930	2922	2916	2908	2905	2899	2897	2894	2891	2889	2886	2885	2884	2883	2970
5	2925	2917	2906	2902	2895	2890	2881	2875	2864	2856	2847	2841	2833	2832	2827	2828	2826	2831	2918
10	2733	2734	2725	2733	2731	2743	2737	2741	2725	2715	2694	2685	2666	2664	2656	2664	2659	2668	2747
15	2314	2323	2309	2330	2325	2351	2346	2364	2346	2347	2320	2320	2295	2302	2287	2303	2294	2306	2366
20	1703	1719	1701	1723	1708	1735	1722	1744	1721	1735	1711	1727	1704	1723	1708	1733	1718	1738	1783
25	1017	1038	1016	1038	1017	1041	1020	1044	1028	1045	1030	1047	1028	1051	1039	1063	1049	1071	1099
30	485	499	487	499	486	500	488	503	493	509	498	513	500	514	503	520	508	524	537
35	235	241	237	242	237	241	236	241	237	243	239	244	240	246	242	248	244	251	258
40	136	138	137	139	137	138	137	138	137	138	138	139	138	139	138	140	139	141	146
45	90.5	91.9	91.3	92.5	91.4	92.3	91.4	92.8	92.2	93.4	92.5	93.6	92.5	93.4	92.2	93.0	92.0	92.9	95.8
50	66.3	67.2	66.9	67.5	66.9	67.6	67.3	68.4	68.2	69.0	68.5	69.1	68.4	68.8	67.9	68.2	67.5	67.9	69.7
55	50.8	51.3	51.2	51.6	51.3	51.6	51.7	52.5	52.5	53.0	52.8	53.1	52.8	52.9	52.3	52.3	51.9	52.0	53.3
60	39.5	39.9	39.8	40.1	39.9	40.2	40.2	40.9	40.8	41.2	41.0	41.3	41.0	41.2	40.7	40.8	40.5	40.5	41.6
65	30.4	30.7	30.5	30.9	30.6	31.0	30.9	31.5	31.3	31.6	31.4	31.7	31.4	31.6	31.2	31.4	31.0	31.1	31.8
70	22.5	22.8	22.6	22.9	22.7	23.0	22.9	23.4	23.2	23.5	23.2	23.5	23.3	23.5	23.2	23.3	23.0	23.1	23.5
75	11.2	11.6	11.2	11.6	11.3	11.8	11.6	12.1	11.8	12.3	11.9	12.3	11.9	12.3	11.8	12.0	11.5	11.6	11.6
80	3.60	3.78	3.63	3.85	3.72	3.98	3.91	4.17	4.04	4.24	4.07	4.25	4.09	4.27	4.06	4.18	3.92	3.97	3.59
85	1.52	1.53	1.51	1.50	1.47	1.49	1.46	1.48	1.45	1.47	1.47	1.46	1.45	1.45	1.46	1.45	1.46	1.45	0.87
90	1.82	1.83	1.79	1.80	1.79	1.79	1.75	1.77	1.75	1.75	1.74	1.75	1.72	1.75	1.75	1.74	1.75	1.74	0.99
95	2.26	2.25	2.23	2.23	2.21	2.20	2.17	2.18	2.15	2.16	2.15	2.15	2.13	2.14	2.12	2.14	2.13	2.14	1.22
100	2.87	2.86	2.84	2.83	2.80	2.80	2.78	2.77	2.75	2.74	2.73	2.73	2.71	2.72	2.71	2.72	2.71	2.72	1.65
105	3.78	3.75	3.74	3.71	3.70	3.67	3.66	3.63	3.62	3.59	3.59	3.57	3.57	3.55	3.57	3.56	3.56	3.55	2.38
110	5.02	4.97	4.97	4.93	4.92	4.87	4.87	4.82	4.83	4.78	4.79	4.75	4.76	4.72	4.75	4.71	4.75	4.71	3.45
115	6.59	6.52	6.53	6.46	6.47	6.40	6.41	6.34	6.36	6.29	6.31	6.24	6.27	6.21	6.25	6.19	6.24	6.19	4.85
120	8.47	8.38	8.40	8.31	8.33	8.23	8.25	8.16	8.19	8.10	8.14	8.05	8.08	8.00	8.05	7.98	8.03	7.97	6.52
125	10.6	10.5	10.5	10.4	10.4	10.3	10.3	10.2	10.3	10.2	10.2	10.1	10.1	10.1	10.1	10.0	10.1	10.0	8.43
130	13.0	12.8	12.8	12.7	12.7	12.6	12.6	12.5	12.6	12.5	12.5	12.4	12.4	12.4	12.4	12.3	12.4	12.3	10.5
135	15.6	15.5	15.5	15.4	15.3	15.2	15.2	15.1	15.1	15.0	15.1	15.0	15.0	14.9	14.9	14.9	14.9	14.9	12.8
140	18.9	18.8	18.8	18.6	18.6	18.5	18.5	18.3	18.3	18.2	18.2	18.1	18.2	18.1	18.1	18.0	18.1	18.0	15.6
145	23.5	23.3	23.3	23.1	23.1	22.9	22.9	22.7	22.7	22.5	22.5	22.4	22.4	22.3	22.4	22.2	22.4	22.2	19.1
150	29.3	29.1	29.1	28.9	28.9	28.7	28.7	28.4	28.4	28.2	28.2	28.0	28.1	27.9	28.0	27.8	28.0	27.8	23.7
155	35.7	35.6	35.6	35.4	35.4	35.1	35.2	34.9	34.9	34.6	34.6	34.3	34.4	34.2	34.3	34.1	34.3	34.1	28.9
160	41.4	41.3	41.2	41.0	41.0	40.8	40.8	40.6	40.6	40.3	40.3	40.0	40.1	39.9	39.9	39.8	39.9	39.7	33.9
165	45.8	45.6	45.5	45.4	45.3	45.2	45.1	44.9	44.9	44.7	44.7	44.5	44.5	44.3	44.3	44.2	44.2	44.2	38.1
170	49.2	49.1	48.9	48.8	48.7	48.6	48.5	48.4	48.3	48.2	48.2	48.0	48.0	47.9	47.9	47.8	47.8	47.7	42.5
175	51.6	51.5	51.2	51.2	51.0	50.9	50.8	50.7	50.6	50.6	50.5	50.4	50.3	50.3	50.2	50.2	50.1	50.1	47.5
180	51.7	51.7	51.4	51.4	51.2	51.2	51.0	51.0	50.9	50.8	50.7	50.7	50.6	50.5	50.5	50.4	50.4	50.4	51.9

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-03-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:7.028m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:224.9V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1772.17x1 lm																	
NAME: TL45-20G27-45-M									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:80						Shielding 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	2959	2948	2938	2930	2922	2916	2908	2905	2899	2897	2894	2891	2889	2886	2885	2884	2883		
5	2907	2905	2897	2895	2891	2890	2881	2879	2871	2867	2857	2856	2846	2848	2839	2840	2836		
10	2732	2738	2729	2739	2731	2740	2726	2724	2702	2697	2671	2669	2650	2657	2647	2657	2650		
15	2343	2355	2339	2356	2340	2354	2333	2337	2301	2298	2265	2265	2240	2253	2239	2263	2249		
20	1755	1773	1747	1766	1737	1755	1720	1732	1693	1705	1669	1685	1655	1675	1651	1677	1656		
25	1078	1097	1071	1085	1056	1063	1033	1042	1012	1025	1002	1022	999	1021	997	1015	994		
30	524	533	518	525	505	509	490	495	478	485	473	483	473	483	472	481	472		
35	251	253	246	248	239	239	233	237	229	233	228	233	227	232	226	232	227		
40	143	142	139	139	135	136	134	135	133	134	132	134	132	133	131	132	131		
45	93.8	93.5	91.4	91.2	89.3	89.9	89.1	90.3	89.4	90.3	89.1	89.7	88.4	88.6	87.2	87.8	87.2		
50	68.5	68.1	66.7	66.5	65.4	65.7	65.5	66.4	66.0	66.5	65.9	66.1	65.2	65.0	64.0	64.2	63.9		
55	52.4	52.2	51.3	51.0	50.2	50.4	50.3	50.9	50.7	51.0	50.5	50.7	50.0	49.8	49.0	49.1	48.8		
60	40.8	40.7	40.0	39.9	39.3	39.5	39.3	39.8	39.5	39.8	39.4	39.5	39.0	38.9	38.2	38.4	38.1		
65	31.2	31.2	30.7	30.7	30.2	30.4	30.2	30.6	30.3	30.5	30.1	30.2	29.8	29.8	29.3	29.5	29.2		
70	23.0	23.0	22.6	22.7	22.3	22.5	22.3	22.5	22.2	22.3	21.9	22.1	21.8	21.9	21.6	21.8	21.6		
75	11.2	11.4	11.0	11.2	10.8	11.1	10.7	10.9	10.4	10.6	10.2	10.4	10.1	10.5	10.3	10.8	10.5		
80	3.34	3.46	3.28	3.40	3.20	3.30	3.12	3.20	2.95	3.03	2.78	2.93	2.76	2.95	2.84	3.06	2.95		
85	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.85	0.86	0.85	0.86	0.85	0.85	0.84	0.84	0.85		
90	0.97	0.99	0.99	0.98	0.97	0.98	0.96	0.98	0.95	0.98	0.95	0.98	0.95	0.98	0.95	0.97	0.94		
95	1.21	1.22	1.23	1.22	1.23	1.22	1.19	1.22	1.23	1.21	1.20	1.21	1.20	1.21	1.22	1.21	1.18		
100	1.64	1.64	1.63	1.64	1.63	1.64	1.64	1.65	1.64	1.65	1.64	1.65	1.64	1.65	1.64	1.64	1.63		
105	2.40	2.37	2.37	2.37	2.38	2.38	2.39	2.38	2.39	2.38	2.39	2.38	2.40	2.38	2.39	2.38	2.39		
110	3.46	3.43	3.46	3.43	3.46	3.44	3.47	3.45	3.48	3.45	3.48	3.45	3.49	3.45	3.49	3.45	3.48		
115	4.88	4.84	4.88	4.83	4.88	4.84	4.89	4.85	4.90	4.86	4.90	4.86	4.91	4.86	4.90	4.85	4.89		
120	6.54	6.50	6.54	6.49	6.53	6.50	6.54	6.50	6.55	6.51	6.56	6.51	6.56	6.51	6.55	6.50	6.54		
125	8.44	8.39	8.41	8.36	8.40	8.36	8.41	8.37	8.42	8.38	8.43	8.39	8.43	8.38	8.42	8.36	8.41		
130	10.5	10.5	10.5	10.4	10.5	10.4	10.5	10.4	10.5	10.4	10.5	10.4	10.5	10.4	10.5	10.4	10.5		
135	12.8	12.8	12.8	12.7	12.8	12.7	12.7	12.7	12.8	12.7	12.8	12.7	12.8	12.7	12.8	12.7	12.8		
140	15.6	15.5	15.5	15.4	15.5	15.4	15.5	15.4	15.5	15.4	15.5	15.4	15.5	15.4	15.5	15.4	15.5		
145	19.1	19.0	19.1	19.0	19.0	18.9	19.0	18.9	19.0	18.9	19.0	18.9	19.0	18.9	19.0	18.9	19.0		
150	23.7	23.5	23.6	23.5	23.6	23.4	23.6	23.4	23.5	23.4	23.5	23.4	23.5	23.4	23.5	23.4	23.6		
155	28.9	28.7	28.8	28.7	28.8	28.6	28.7	28.6	28.7	28.5	28.6	28.4	28.6	28.4	28.6	28.4	28.6		
160	33.8	33.7	33.7	33.6	33.6	33.5	33.5	33.4	33.4	33.3	33.3	33.2	33.3	33.1	33.2	33.1	33.2		
165	38.0	37.9	37.9	37.8	37.7	37.6	37.6	37.4	37.4	37.3	37.3	37.2	37.2	37.2	37.2	37.1	37.2		
170	42.3	42.2	42.1	42.0	41.9	41.8	41.7	41.6	41.5	41.4	41.4	41.3	41.3	41.3	41.3	41.3	41.3		
175	47.3	47.3	47.1	47.0	46.9	46.8	46.7	46.6	46.5	46.4	46.4	46.3	46.2	46.2	46.2	46.2	46.2		
180	51.6	51.6	51.3	51.3	51.1	51.1	50.9	50.9	50.8	50.7	50.6	50.6	50.5	50.4	50.4	50.4	50.4		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-03-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:7.028m [K=1.0000]
Remarks: