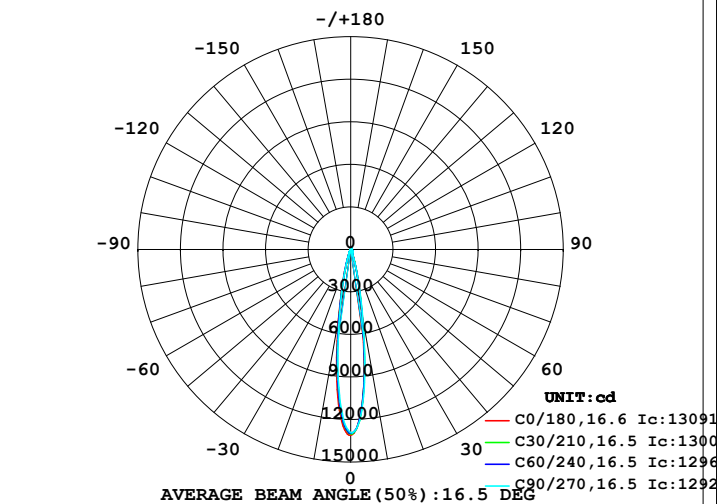


LUMINAIRE PHOTOMETRIC TEST REPORT

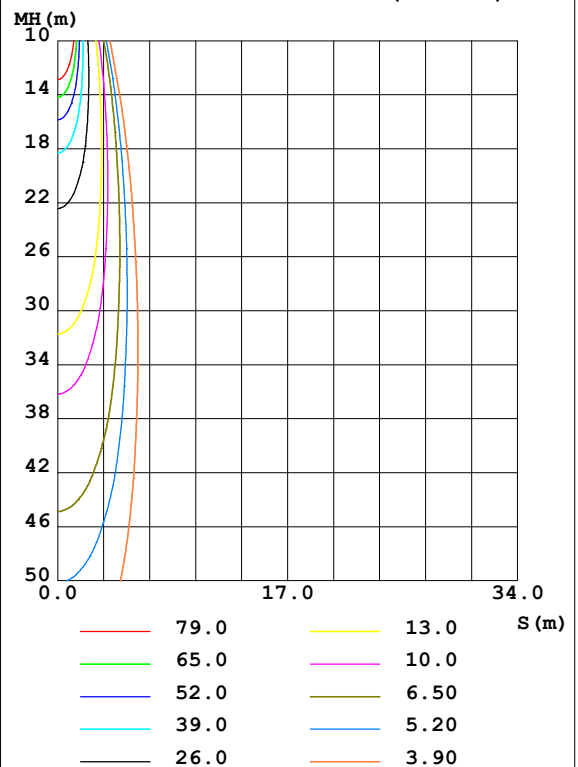
Test:U:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm		
NAME: TL45-20G27-12-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.92 lm/W			
MODEL	2700K CRI90	I _{max} (cd)	13091	S/MH(C0/180)	0.30
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1727.0	η UP,DN(C0-180)	2.4,47.9
NOMINAL FLUX(lm)	1727.01	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.9,47.9
LAMPS INSIDE	1	η up(%)	4.3	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	225	η down(%)	95.7	CIBSE SHR MAX	1.00

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: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	462.7	470.7	490.5	485.3	496.7	472.1	446.3	458.0	0- 10	782.5	782.5	45.3,45.3
20	59.36	57.17	56.49	57.01	60.97	60.62	59.16	63.09	10- 20	515.6	1298	75.2,75.2
30	17.92	17.62	16.70	16.07	17.33	17.73	17.77	17.55	20- 30	136.3	1434	83.1,83.1
40	9.863	9.689	8.990	8.762	9.316	9.529	9.693	9.731	30- 40	79.17	1514	87.6,87.6
50	6.581	6.444	5.637	5.398	5.749	6.192	6.498	6.294	40- 50	58.11	1572	91,91
60	4.260	4.059	3.932	3.794	4.065	4.077	4.019	4.007	50- 60	43.69	1615	93.5,93.5
70	1.849	1.824	1.796	1.726	1.808	1.783	1.772	1.768	60- 70	26.37	1642	95.1,95.1
80	0.2740	0.3036	0.3156	0.2947	0.2391	0.2335	0.2030	0.2120	70- 80	10.24	1652	95.7,95.7
90	0.1828	0.1832	0.1840	0.1816	0.0802	0.0789	0.0785	0.0758	80- 90	1.532	1653	95.7,95.7
100	0.2363	0.2378	0.2375	0.2356	0.1037	0.1003	0.0973	0.0955	90-100	1.575	1655	95.8,95.8
110	0.3644	0.3637	0.3626	0.3624	0.2074	0.2020	0.1978	0.1943	100-110	2.275	1657	96,96
120	0.6925	0.6856	0.6773	0.6805	0.5178	0.5138	0.5128	0.5046	110-120	4.079	1661	96.2,96.2
130	1.309	1.298	1.287	1.286	1.109	1.100	1.091	1.080	120-130	7.888	1669	96.7,96.7
140	1.788	1.781	1.773	1.769	1.546	1.527	1.512	1.503	130-140	11.11	1680	97.3,97.3
150	2.226	2.212	2.197	2.203	2.039	2.013	2.003	1.990	140-150	11.55	1692	98,98
160	4.144	4.059	3.991	4.027	3.477	3.448	3.462	3.437	150-160	12.47	1704	98.7,98.7
170	8.561	8.423	8.314	8.308	6.265	6.236	6.225	6.164	160-170	14.99	1719	99.6,99.6
180	8.795	8.741	8.695	8.622	8.807	8.738	8.684	8.615	170-180	7.613	1727	100,100
DEG	LUMINOUS INTENSITY: *10cd									UNIT: lm		

Conical surface Flux(90deg): 1544.4 lm

%lum = 89.4%

%lamp = 89.4%

Conical surface Flux(120deg): 1615.3 lm

%lum = 93.5%

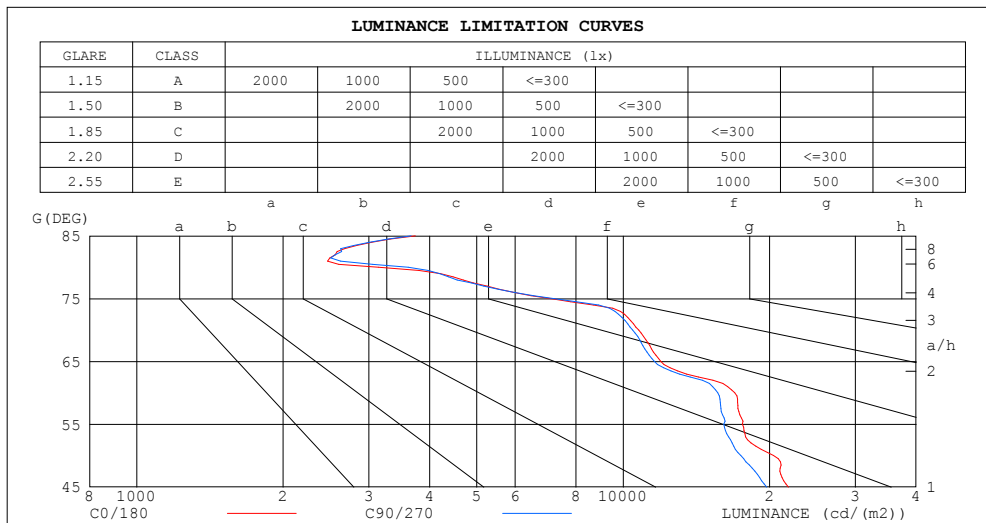
%lamp = 93.5%

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:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm		
NAME: TL45-20G27-12-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3736	3664
80	3141	3618
75	7097	7206
70	10762	10453
65	11947	11589
60	16959	15653
55	17592	16110
50	20377	17455
45	21870	19718

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:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm					
NAME: TL45-20G27-12-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	.149	.085	.027	.141	.081	.026	.127	.073	.023	.113	.065	.021	.100	.058	.019	
2.0	.139	.076	.023	.132	.073	.022	.120	.066	.021	.108	.061	.019	.097	.055	.017	
3.0	.129	.068	.021	.123	.066	.020	.112	.061	.018	.102	.056	.017	.093	.052	.016	
4.0	.120	.062	.018	.115	.060	.018	.105	.056	.017	.097	.052	.016	.089	.048	.015	
5.0	.112	.057	.016	.107	.055	.016	.099	.052	.015	.092	.048	.014	.085	.045	.014	
6.0	.104	.052	.015	.101	.051	.015	.094	.048	.014	.087	.045	.013	.081	.043	.013	
7.0	.098	.049	.014	.095	.047	.013	.089	.045	.013	.083	.042	.012	.077	.040	.012	
8.0	.093	.045	.013	.090	.044	.012	.084	.042	.012	.079	.040	.012	.074	.038	.011	
9.0	.088	.042	.012	.085	.041	.012	.080	.040	.011	.075	.038	.011	.071	.036	.010	
10.0	.083	.040	.011	.081	.039	.011	.076	.037	.011	.072	.036	.010	.068	.034	.010	

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	.223	.223	.223	.191	.191	.191	.130	.130	.130	.075	.075	.075	.024	.024	.024	
1.0	.202	.190	.180	.173	.163	.155	.118	.112	.107	.068	.065	.062	.022	.021	.020	
2.0	.185	.166	.149	.158	.143	.129	.108	.099	.090	.063	.057	.053	.020	.019	.017	
3.0	.170	.146	.127	.146	.126	.110	.100	.088	.077	.058	.051	.046	.019	.017	.015	
4.0	.158	.131	.111	.136	.113	.096	.093	.079	.068	.054	.046	.040	.017	.015	.013	
5.0	.148	.119	.098	.127	.103	.085	.087	.072	.060	.051	.042	.036	.016	.014	.012	
6.0	.139	.109	.088	.119	.095	.077	.082	.066	.054	.048	.039	.032	.015	.013	.011	
7.0	.131	.101	.080	.113	.088	.070	.078	.062	.050	.045	.036	.030	.015	.012	.010	
8.0	.124	.095	.074	.107	.082	.065	.074	.058	.046	.043	.034	.027	.014	.011	.009	
9.0	.118	.089	.069	.102	.077	.060	.071	.054	.043	.041	.032	.026	.013	.011	.008	
10.0	.113	.084	.065	.097	.073	.057	.068	.051	.040	.039	.030	.024	.013	.010	.008	

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:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm										
NAME: TL45-20G27-12-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	15.1	15.7	15.3	16.0	16.2	14.7	15.3	14.9	15.5	15.8
3H	15.8	16.4	16.1	16.7	16.9	15.4	16.0	15.7	16.3	16.6
4H	16.0	16.6	16.3	16.9	17.2	15.6	16.2	16.0	16.5	16.8
6H	16.0	16.6	16.3	16.9	17.2	15.6	16.2	16.0	16.5	16.8
8H	16.0	16.5	16.3	16.8	17.1	15.6	16.1	16.0	16.5	16.8
12H	15.9	16.4	16.3	16.8	17.1	15.6	16.1	15.9	16.4	16.8
4H 2H	15.4	16.0	15.7	16.3	16.6	15.1	15.7	15.4	15.9	16.2
3H	16.3	16.8	16.6	17.1	17.5	16.0	16.5	16.3	16.8	17.2
4H	16.5	17.0	16.9	17.4	17.7	16.2	16.7	16.6	17.1	17.5
6H	16.5	16.9	17.0	17.3	17.8	16.2	16.7	16.7	17.1	17.5
8H	16.5	16.9	16.9	17.3	17.7	16.2	16.6	16.7	17.0	17.5
12H	16.4	16.8	16.9	17.2	17.7	16.2	16.5	16.6	17.0	17.4
8H 4H	16.5	16.9	17.0	17.3	17.8	16.2	16.6	16.7	17.1	17.5
6H	16.5	16.8	17.0	17.3	17.8	16.3	16.6	16.7	17.0	17.5
8H	16.5	16.8	17.0	17.3	17.8	16.2	16.5	16.7	17.0	17.5
12H	16.4	16.7	17.0	17.2	17.8	16.2	16.4	16.7	17.0	17.5
12H 4H	16.5	16.8	16.9	17.3	17.7	16.2	16.5	16.7	17.0	17.5
6H	16.5	16.8	17.0	17.2	17.8	16.2	16.5	16.7	17.0	17.5
8H	16.4	16.7	17.0	17.2	17.7	16.2	16.4	16.7	16.9	17.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.5				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.6 / - 1.3					+ 0.5 / - 1.2				

CIE Pub.117, 1727 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.9)

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:

UTILIZATION FACTORS TABLE

Test:U:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm		
NAME: TL45-20G27-12-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:

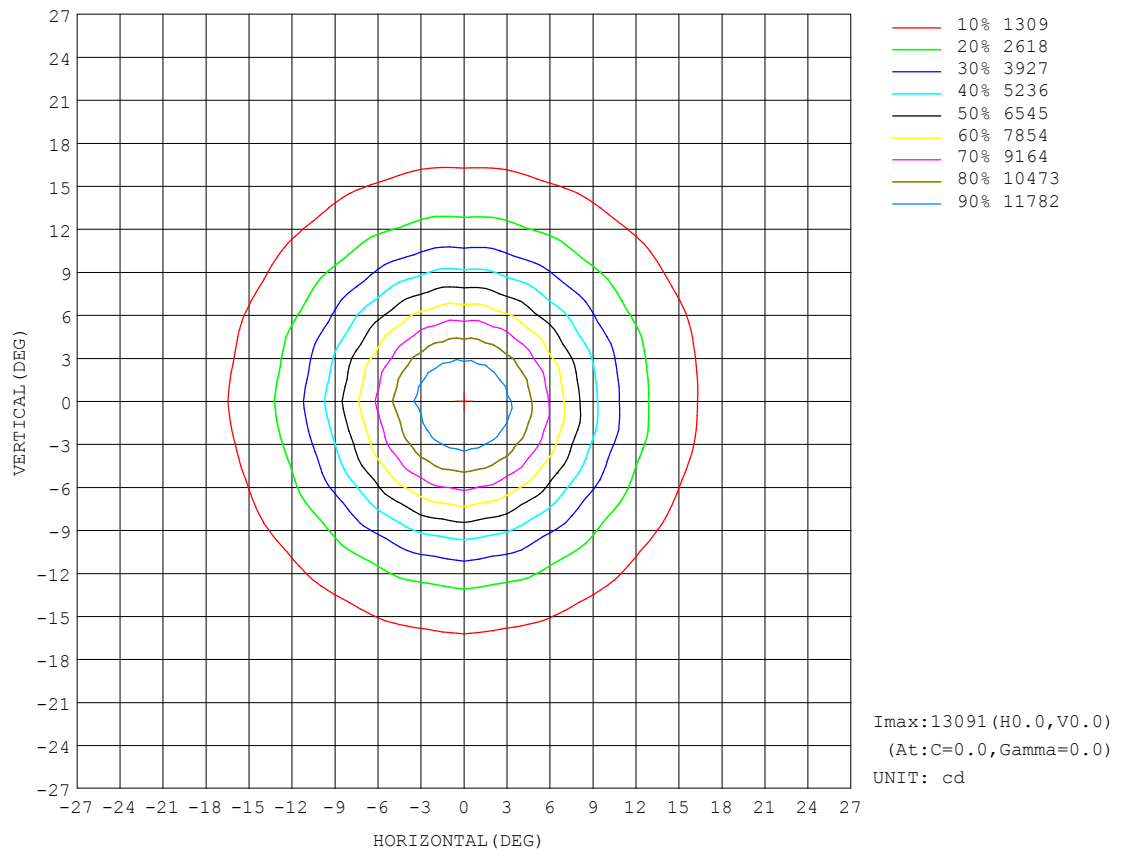
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	77	73	83	77	73	82	76	73	69
0.80	91	85	81	91	85	81	89	84	80	76
1.00	96	90	86	95	89	86	93	89	85	80
1.25	100	95	91	99	94	90	96	92	89	84
1.50	103	98	94	102	97	94	99	95	92	87
2.00	106	102	98	104	100	97	101	98	95	89
2.50	108	104	101	106	102	99	102	99	97	90
3.00	110	106	103	108	104	102	104	101	99	91
4.00	112	109	107	110	107	105	105	103	102	93
5.00	113	111	109	111	109	107	106	105	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:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm		
NAME: TL45-20G27-12-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:

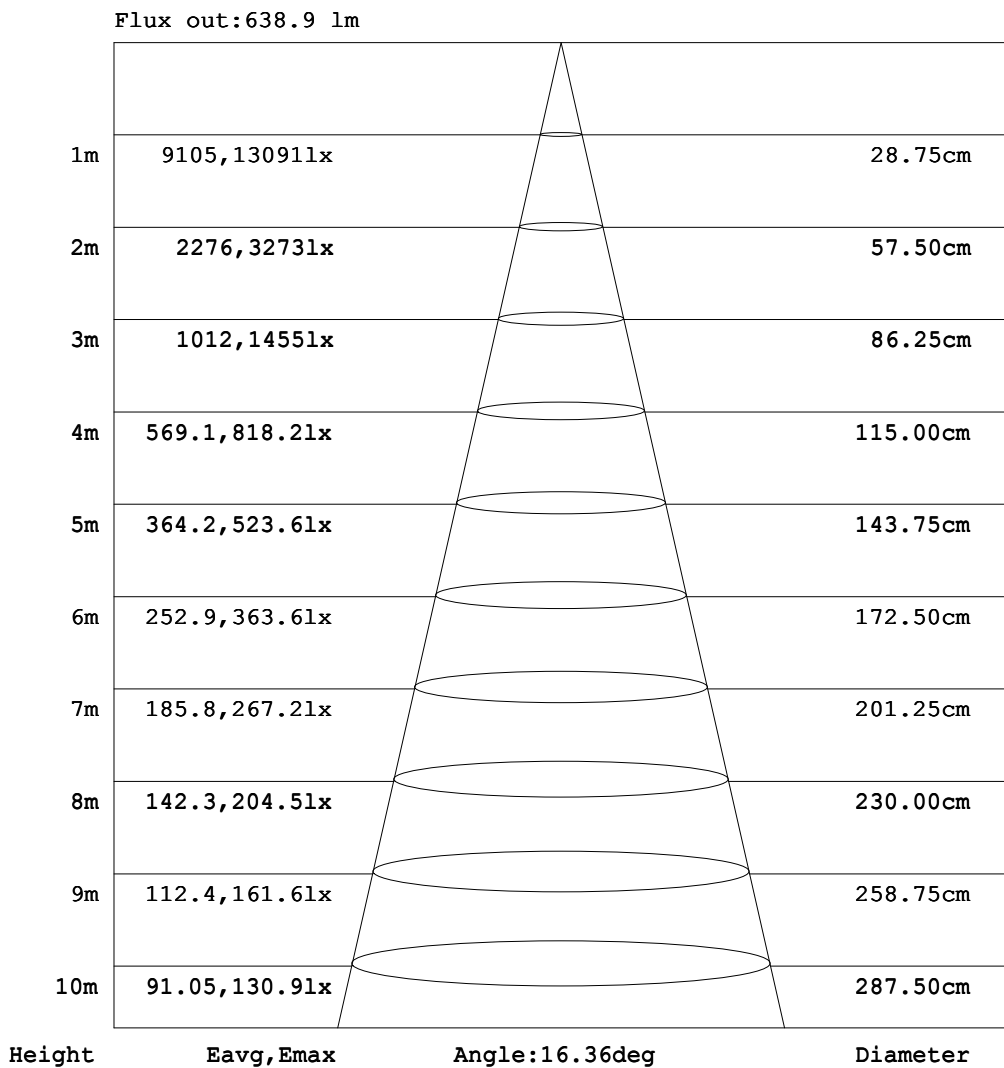


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-03-15

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:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm		
NAME: TL45-20G27-12-M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:80	Shielding Angle:

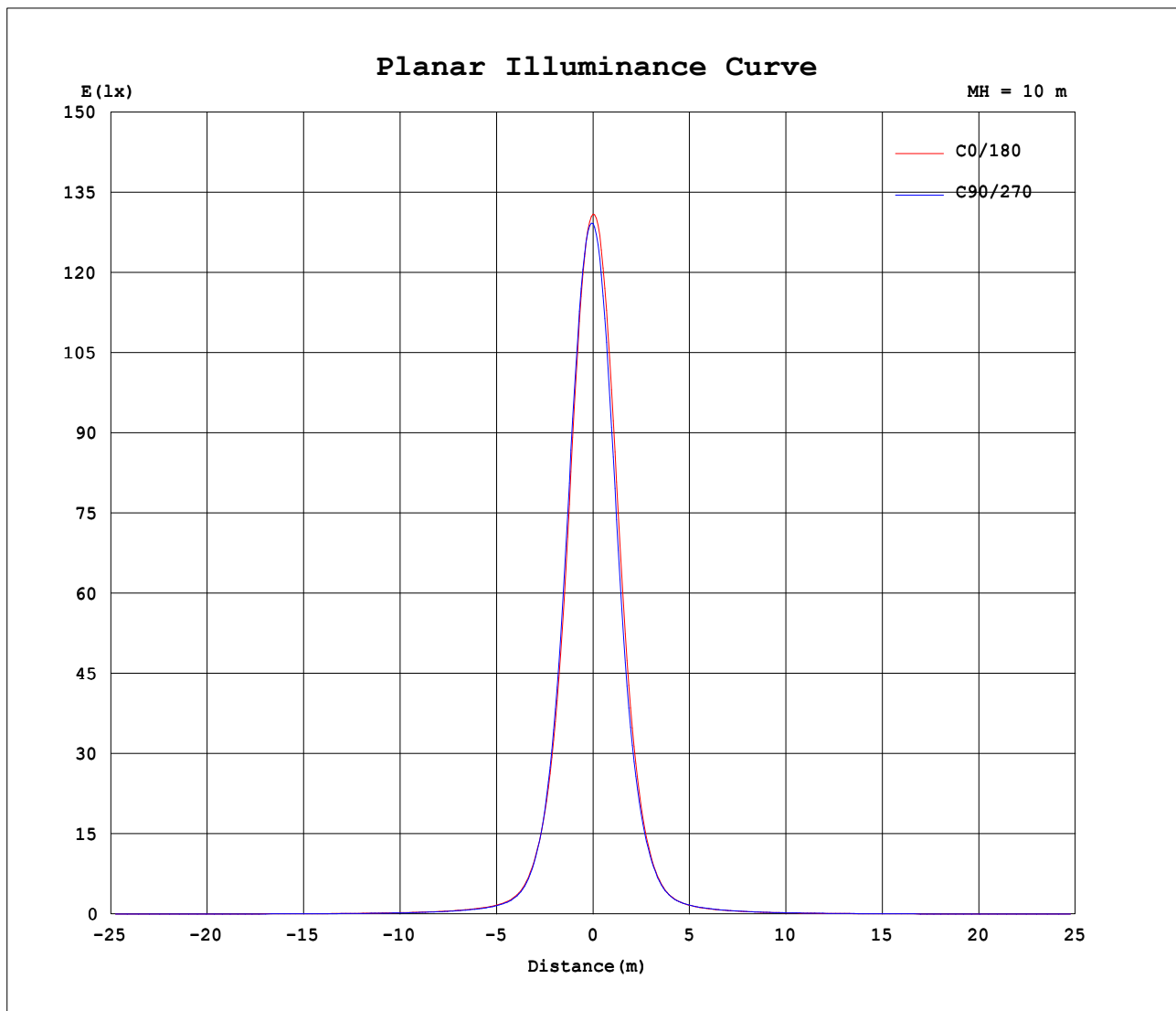


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm																		
NAME: TL45-20G27-12-M									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.:									SUR.:80					Shielding Angle:				

Table--1

UNIT: ×10cd

γ (DEG) \ C (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1309	1306	1303	1301	1299	1298	1296	1294	1293	1292	1291	1289	1289	1287	1288	1287	1286	1285	1309
5	1019	1030	1021	1032	1023	1036	1028	1039	1032	1044	1035	1046	1034	1042	1028	1035	1017	1020	1047
10	463	469	457	470	463	479	471	486	476	491	481	492	481	491	479	488	473	479	497
15	171	173	166	170	165	172	167	172	166	171	167	172	167	173	168	173	168	171	179
20	59.4	59.7	56.9	57.8	56.0	58.4	56.6	57.7	55.2	56.5	54.8	56.6	55.2	57.6	56.4	58.7	56.8	58.0	61.0
25	27.7	27.9	27.1	27.4	26.8	27.3	26.7	26.9	26.0	26.1	25.5	25.8	25.3	25.9	25.6	26.3	25.9	26.5	27.7
30	17.9	18.0	17.8	17.8	17.6	17.6	17.4	17.2	16.8	16.7	16.4	16.3	16.1	16.1	16.0	16.2	16.2	16.5	17.3
35	13.0	13.0	13.0	13.0	12.9	12.8	12.6	12.4	12.1	12.0	11.8	11.8	11.6	11.6	11.6	11.6	11.7	11.9	12.3
40	9.86	9.92	9.80	9.84	9.71	9.67	9.46	9.33	9.05	8.99	8.87	8.90	8.78	8.82	8.70	8.78	8.75	8.90	9.32
45	7.77	7.84	7.80	7.83	7.70	7.66	7.47	7.33	7.09	7.00	6.93	6.91	6.81	6.81	6.76	6.81	6.80	6.89	7.19
50	6.58	6.74	6.62	6.64	6.45	6.44	6.22	6.11	5.81	5.64	5.53	5.51	5.43	5.41	5.38	5.45	5.43	5.51	5.75
55	5.07	5.11	5.15	5.20	5.14	5.09	4.96	4.88	4.73	4.64	4.55	4.50	4.45	4.44	4.47	4.51	4.51	4.56	4.74
60	4.26	4.28	4.21	4.17	4.07	4.05	3.98	3.98	3.94	3.93	3.89	3.87	3.79	3.80	3.79	3.82	3.84	3.92	4.07
65	2.54	2.56	2.52	2.54	2.50	2.52	2.49	2.51	2.46	2.46	2.43	2.43	2.37	2.37	2.37	2.41	2.39	2.42	2.49
70	1.85	1.87	1.84	1.85	1.82	1.83	1.81	1.83	1.79	1.80	1.77	1.78	1.73	1.73	1.73	1.75	1.73	1.76	1.81
75	0.92	0.96	0.93	0.96	0.92	0.95	0.91	0.95	0.91	0.94	0.90	0.94	0.90	0.93	0.90	0.92	0.86	0.87	0.89
80	0.27	0.30	0.28	0.31	0.29	0.32	0.30	0.32	0.30	0.32	0.29	0.31	0.29	0.31	0.28	0.29	0.26	0.26	0.24
85	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.09
90	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.08
95	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.21	0.20	0.21	0.20	0.21	0.08
100	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.24	0.23	0.24	0.10
105	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.14
110	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.21
115	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.32
120	0.69	0.68	0.69	0.68	0.69	0.68	0.69	0.68	0.69	0.68	0.69	0.68	0.69	0.68	0.68	0.68	0.69	0.68	0.52
125	0.98	0.97	0.98	0.97	0.98	0.96	0.97	0.96	0.97	0.96	0.97	0.96	0.97	0.96	0.97	0.96	0.97	0.96	0.80
130	1.31	1.30	1.31	1.30	1.30	1.29	1.30	1.29	1.30	1.29	1.29	1.28	1.29	1.28	1.29	1.28	1.29	1.28	1.11
135	1.59	1.58	1.58	1.58	1.58	1.58	1.58	1.57	1.58	1.57	1.57	1.57	1.57	1.56	1.57	1.56	1.57	1.56	1.36
140	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.76	1.55
145	1.96	1.96	1.96	1.95	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.75
150	2.23	2.22	2.22	2.21	2.22	2.21	2.21	2.20	2.21	2.20	2.21	2.20	2.21	2.20	2.21	2.20	2.21	2.19	2.04
155	2.83	2.80	2.82	2.79	2.81	2.78	2.80	2.77	2.79	2.76	2.78	2.76	2.79	2.76	2.79	2.77	2.80	2.76	2.55
160	4.14	4.09	4.11	4.06	4.09	4.03	4.07	4.01	4.05	3.99	4.03	3.99	4.04	4.00	4.06	4.01	4.07	4.02	3.48
165	6.27	6.20	6.23	6.14	6.18	6.09	6.13	6.05	6.09	6.02	6.07	6.01	6.07	6.01	6.09	6.03	6.11	6.06	4.85
170	8.56	8.51	8.50	8.45	8.45	8.40	8.40	8.35	8.36	8.31	8.33	8.29	8.32	8.28	8.33	8.31	8.36	8.33	6.26
175	9.52	9.52	9.49	9.48	9.46	9.45	9.43	9.42	9.40	9.39	9.37	9.37	9.35	9.35	9.33	9.33	9.31	9.30	7.28
180	8.79	8.79	8.77	8.77	8.74	8.74	8.73	8.72	8.70	8.70	8.68	8.66	8.65	8.63	8.62	8.60	8.58	8.56	8.81

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:225.0V I:0.0910A P:20.10W PF:0.9780 Freq:50.00Hz Lamp Flux:1727.01x1 lm																	
NAME: TL45-20G27-12-M									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:80						Shielding Angle:		

Table--2

UNIT: ×10cd

γ (DEG) \ C (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1306	1303	1301	1299	1298	1296	1294	1293	1292	1291	1289	1289	1287	1288	1287	1286	1285		
5	1022	1033	1009	1020	995	1007	983	997	977	995	978	998	983	1005	991	1015	1004		
10	478	489	470	482	463	474	454	463	446	458	446	461	449	467	457	473	460		
15	173	178	172	178	172	178	171	176	169	174	169	177	174	181	176	182	174		
20	58.6	60.8	58.4	61.2	60.1	62.9	60.5	61.9	59.2	61.8	59.7	63.0	61.4	64.8	62.7	64.5	60.9		
25	27.3	27.9	27.3	28.1	27.8	28.6	28.1	28.4	27.6	28.1	27.5	28.2	27.7	28.6	28.0	28.5	27.7		
30	17.4	17.6	17.6	17.7	17.7	18.0	18.0	18.0	17.8	17.7	17.5	17.6	17.5	17.6	17.6	17.7	17.7		
35	12.5	12.6	12.6	12.7	12.8	13.0	13.0	13.0	12.9	12.8	12.8	12.8	12.7	12.7	12.8	12.8	12.8		
40	9.30	9.43	9.36	9.52	9.54	9.78	9.73	9.84	9.69	9.77	9.66	9.75	9.68	9.78	9.70	9.77	9.69		
45	7.22	7.32	7.33	7.44	7.49	7.63	7.65	7.72	7.67	7.68	7.59	7.61	7.56	7.60	7.56	7.61	7.60		
50	5.77	5.93	6.04	6.17	6.22	6.40	6.42	6.55	6.50	6.44	6.29	6.28	6.27	6.32	6.29	6.36	6.36		
55	4.82	4.90	4.90	4.97	4.94	5.01	4.96	5.06	5.00	5.04	4.98	4.91	4.90	4.93	4.89	4.89	4.92		
60	4.02	4.09	4.05	4.09	4.06	4.09	4.00	4.01	4.02	4.09	4.06	4.09	4.01	4.01	4.01	4.09	4.10		
65	2.46	2.48	2.45	2.48	2.45	2.47	2.44	2.48	2.45	2.46	2.43	2.44	2.42	2.47	2.46	2.49	2.47		
70	1.79	1.80	1.77	1.79	1.77	1.79	1.77	1.80	1.77	1.78	1.76	1.76	1.75	1.79	1.78	1.80	1.80		
75	0.86	0.90	0.87	0.91	0.88	0.91	0.86	0.87	0.82	0.84	0.80	0.84	0.82	0.87	0.86	0.91	0.90		
80	0.22	0.23	0.22	0.24	0.23	0.24	0.22	0.22	0.20	0.21	0.19	0.21	0.20	0.22	0.22	0.24	0.24		
85	0.10	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		
90	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.08		
95	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08		
100	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.09	0.10	0.09		
105	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13		
110	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19		
115	0.32	0.32	0.32	0.31	0.32	0.31	0.31	0.31	0.31	0.30	0.31	0.30	0.31	0.30	0.31	0.30	0.31		
120	0.52	0.51	0.52	0.51	0.52	0.51	0.51	0.50	0.51	0.50	0.51	0.50	0.51	0.50	0.51	0.50	0.51		
125	0.81	0.80	0.81	0.80	0.80	0.79	0.80	0.79	0.80	0.78	0.79	0.78	0.79	0.78	0.79	0.78	0.79		
130	1.11	1.10	1.11	1.10	1.10	1.09	1.10	1.08	1.09	1.08	1.09	1.08	1.09	1.08	1.08	1.07	1.08		
135	1.35	1.35	1.35	1.34	1.34	1.33	1.33	1.32	1.33	1.32	1.32	1.31	1.32	1.31	1.32	1.31	1.32		
140	1.54	1.54	1.53	1.53	1.53	1.52	1.52	1.51	1.51	1.51	1.51	1.50	1.51	1.50	1.50	1.50	1.51		
145	1.75	1.74	1.74	1.73	1.73	1.72	1.72	1.71	1.72	1.71	1.71	1.70	1.71	1.70	1.71	1.70	1.71		
150	2.04	2.02	2.02	2.01	2.02	2.00	2.01	2.00	2.00	1.99	2.00	1.99	2.00	1.98	1.99	1.98	1.99		
155	2.55	2.52	2.54	2.51	2.53	2.50	2.52	2.50	2.52	2.49	2.51	2.49	2.51	2.49	2.51	2.49	2.50		
160	3.49	3.45	3.47	3.43	3.46	3.43	3.46	3.43	3.46	3.42	3.46	3.42	3.46	3.42	3.45	3.41	3.43		
165	4.86	4.82	4.85	4.81	4.85	4.81	4.85	4.82	4.85	4.81	4.85	4.80	4.84	4.79	4.82	4.77	4.80		
170	6.26	6.24	6.25	6.23	6.24	6.22	6.23	6.22	6.22	6.20	6.19	6.16	6.17	6.16	6.16	6.13	6.14		
175	7.25	7.24	7.22	7.21	7.20	7.20	7.19	7.18	7.17	7.15	7.14	7.11	7.08	7.09	7.08	7.07	7.06		
180	8.77	8.78	8.74	8.75	8.73	8.73	8.70	8.70	8.68	8.68	8.65	8.64	8.62	8.61	8.59	8.58	8.55		

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: