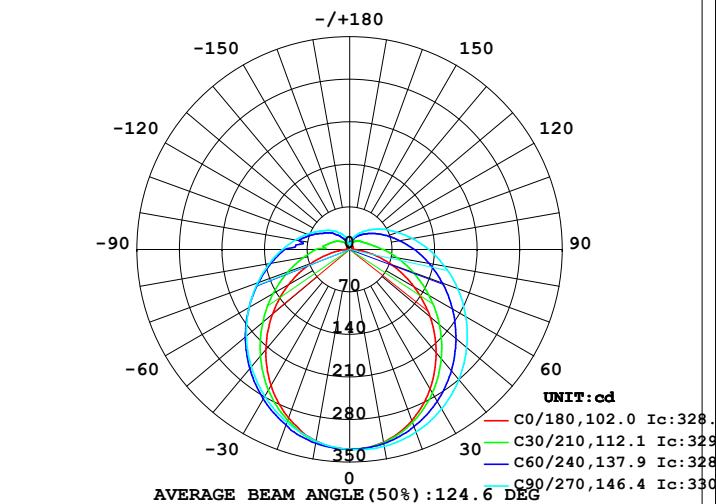


LUMINAIRE PHOTOMETRIC TEST REPORT

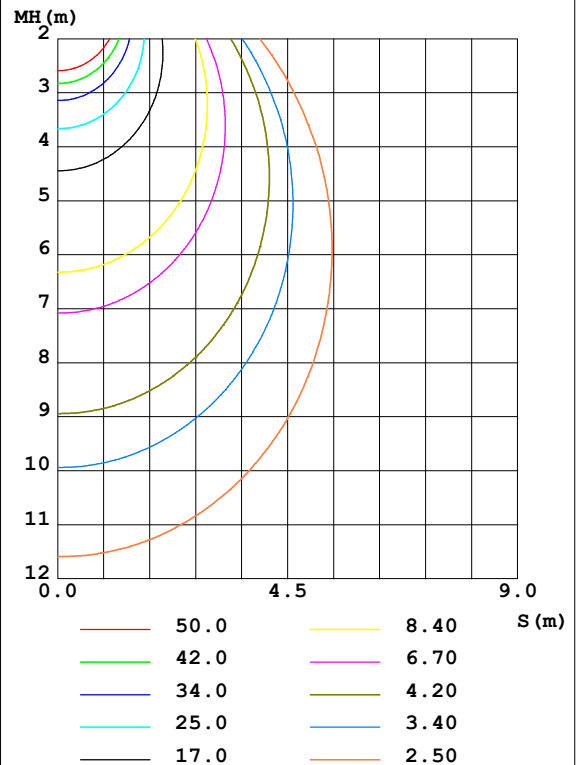
Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.90 lm/W			
MODEL	3000K CRI90	I _{max} (cd)	330.1	S/MH(C0/180)	1.18
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	1377.9	η UP,DN(C0-180)	9.3,41.0
NOMINAL FLUX(lm)	1377.85	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.0,40.7
LAMPS INSIDE	1	η up(%)	18.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	225.1	η down(%)	81.7	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZR
 Test Date:2021-08-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:8.402m [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	321.9	323.4	328.9	321.8	319.9	322.1	320.8	323.5	0- 10	31.11	31.11	2.26,2.26
20	299.7	305.6	319.8	302.6	294.7	303.9	302.7	306.9	10- 20	88.92	120.0	8.71,8.71
30	264.9	279.7	303.0	276.1	258.9	276.7	279.3	280.8	20- 30	134.8	254.8	18.5,18.5
40	221.4	247.2	279.6	243.2	214.7	243.1	251.9	247.9	30- 40	163.8	418.6	30.4,30.4
50	172.7	210.9	251.2	206.7	166.1	206.8	222.2	211.9	40- 50	174.3	592.9	43,43
60	121.9	174.1	220.5	169.5	116.4	170.2	191.4	175.1	50- 60	167.7	760.6	55.2,55.2
70	73.26	139.7	189.3	134.3	68.13	135.6	161.3	140.0	60- 70	148.2	908.7	66,66
80	29.81	109.5	158.3	101.9	25.93	107.1	134.3	110.5	70- 80	121.6	1030	74.8,74.8
90	4.452	84.07	130.2	89.13	5.491	84.06	110.7	86.42	80- 90	95.16	1125	81.7,81.7
100	4.328	64.07	104.9	69.26	5.160	65.83	91.00	67.00	90-100	73.24	1199	87,87
110	4.891	49.78	83.68	54.67	5.325	52.06	74.42	52.37	100-110	56.98	1256	91.1,91.1
120	5.314	39.50	66.34	43.81	5.516	41.38	59.68	41.70	110-120	43.16	1299	94.3,94.3
130	5.711	31.80	51.94	33.00	5.909	31.53	49.17	33.63	120-130	31.41	1330	96.5,96.5
140	6.150	26.24	40.06	24.11	6.440	22.91	39.52	27.42	130-140	21.58	1352	98.1,98.1
150	6.537	21.23	30.53	17.45	6.992	16.58	30.73	22.10	140-150	13.79	1366	99.1,99.1
160	7.037	16.34	22.12	12.84	7.695	12.27	22.44	16.69	150-160	7.758	1373	99.7,99.7
170	8.224	12.29	10.53	10.61	8.824	10.62	10.82	12.38	160-170	3.545	1377	99.9,99.9
180	9.123	9.201	7.965	9.177	9.148	9.190	8.120	9.156	170-180	0.9134	1378	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 505.56 lm

%lum = 36.7%

%lamp = 36.7%

Conical surface Flux(120deg): 760.58 lm

%lum = 55.2%

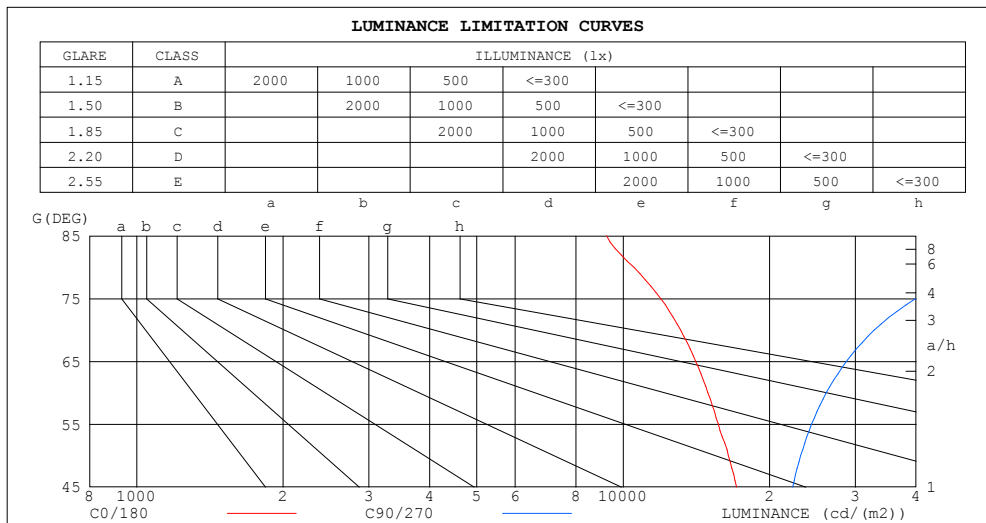
%lamp = 55.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZR
 Test Date:2021-08-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:8.402m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9246	97910
80	10516	54066
75	11950	39909
70	13120	32828
65	14094	28775
60	14938	26160
55	15700	24395
50	16455	23183
45	17103	22301

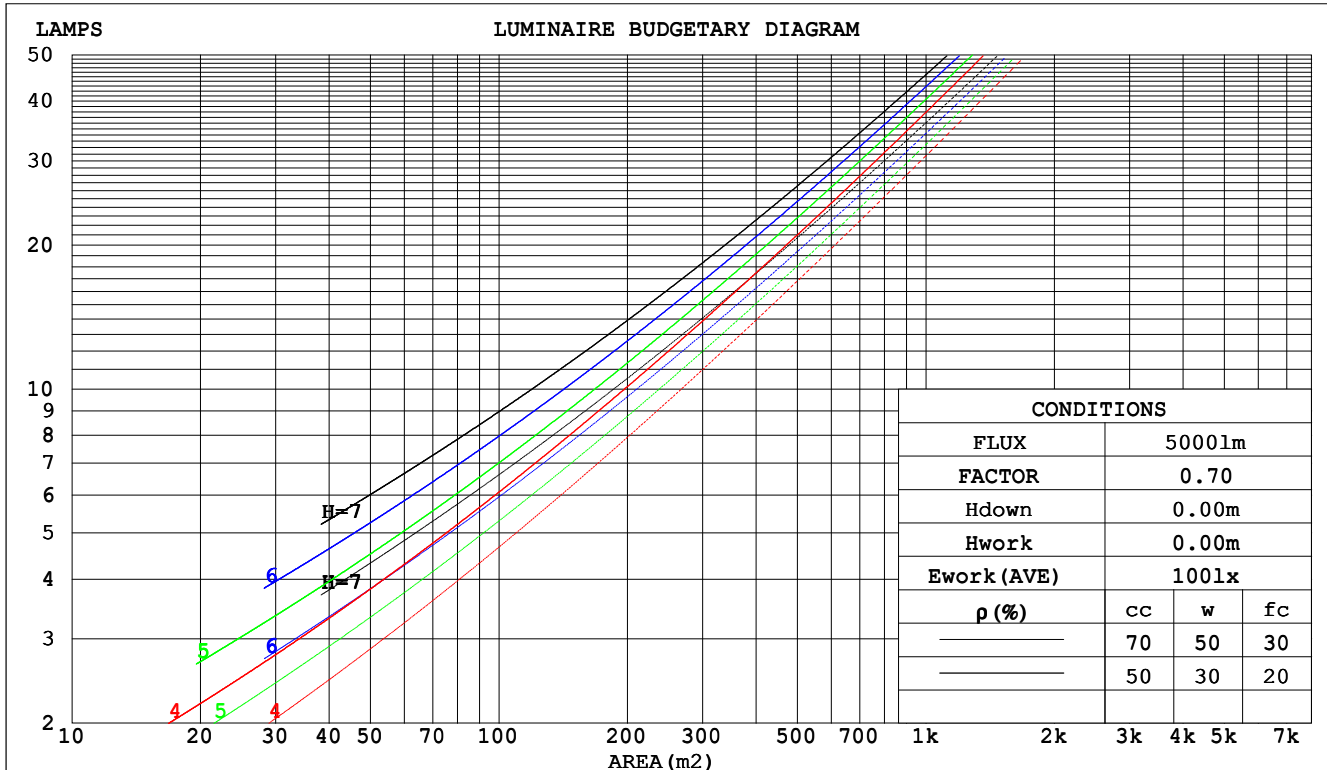
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-08-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	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						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.85	.85	.85	.82
1.0	.96	.91	.86	.92	.87	.83	.84	.81	.77	.77	.74	.72	.71	.68	.66	.63
2.0	.83	.75	.68	.79	.72	.66	.72	.67	.62	.66	.62	.58	.61	.57	.54	.51
3.0	.72	.63	.56	.69	.61	.54	.63	.56	.51	.58	.52	.48	.53	.49	.45	.42
4.0	.63	.54	.47	.61	.52	.46	.56	.49	.43	.51	.45	.40	.47	.42	.38	.35
5.0	.56	.47	.40	.54	.45	.39	.50	.42	.37	.46	.40	.35	.42	.37	.33	.30
6.0	.50	.41	.35	.48	.40	.34	.45	.37	.32	.41	.35	.30	.38	.33	.29	.26
7.0	.46	.37	.30	.44	.35	.30	.41	.33	.28	.38	.31	.27	.35	.29	.25	.23
8.0	.41	.33	.27	.40	.32	.26	.37	.30	.25	.34	.28	.24	.32	.27	.23	.20
9.0	.38	.30	.24	.37	.29	.23	.34	.27	.22	.32	.26	.21	.29	.24	.20	.18
10.0	.35	.27	.22	.34	.26	.21	.31	.25	.20	.29	.23	.19	.27	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZR
 Test Date: 2021-08-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 8.402m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	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	.374	.212	.067	.361	.206	.065	.337	.193	.062	.315	.182	.058	.295	.171	.055	
2.0	.325	.178	.055	.314	.173	.053	.292	.162	.050	.272	.153	.048	.254	.143	.045	
3.0	.290	.154	.046	.279	.150	.045	.260	.141	.043	.242	.132	.041	.225	.125	.039	
4.0	.262	.136	.040	.252	.132	.039	.234	.124	.037	.218	.117	.035	.203	.110	.034	
5.0	.238	.121	.035	.230	.118	.034	.214	.111	.033	.199	.105	.031	.185	.099	.030	
6.0	.219	.110	.031	.211	.107	.031	.196	.101	.029	.183	.095	.028	.170	.089	.027	
7.0	.202	.100	.028	.195	.097	.028	.181	.092	.026	.169	.087	.025	.157	.082	.024	
8.0	.188	.092	.026	.181	.089	.025	.169	.084	.024	.157	.080	.023	.146	.075	.022	
9.0	.175	.085	.024	.169	.082	.023	.158	.078	.022	.147	.074	.021	.137	.069	.020	
10.0	.164	.079	.022	.158	.076	.021	.148	.072	.020	.138	.068	.019	.129	.065	.019	

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	.330	.330	.330	.282	.282	.282	.193	.193	.193	.111	.111	.111	.035	.035	.035	
1.0	.325	.296	.270	.278	.254	.232	.190	.175	.161	.110	.101	.093	.035	.033	.030	
2.0	.318	.273	.236	.273	.235	.204	.187	.163	.142	.108	.095	.083	.035	.031	.027	
3.0	.311	.257	.214	.266	.222	.185	.183	.154	.130	.106	.090	.077	.034	.029	.025	
4.0	.303	.244	.200	.260	.211	.173	.179	.147	.122	.103	.086	.072	.033	.028	.024	
5.0	.295	.234	.190	.254	.203	.165	.175	.142	.116	.101	.083	.069	.033	.027	.023	
6.0	.288	.226	.182	.247	.196	.159	.171	.137	.112	.099	.081	.067	.032	.026	.022	
7.0	.281	.220	.177	.242	.191	.154	.167	.134	.109	.097	.079	.065	.031	.026	.022	
8.0	.274	.214	.173	.236	.186	.151	.163	.131	.107	.095	.077	.064	.031	.025	.021	
9.0	.268	.210	.170	.231	.182	.148	.160	.128	.105	.093	.075	.063	.030	.025	.021	
10.0	.262	.205	.167	.226	.178	.146	.157	.125	.104	.092	.074	.062	.030	.024	.021	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-08-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm											
NAME: M20-TM20-T44006-12G30-120D						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.:						SUR.:602*27.7		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		19.9	21.2	20.4	21.7	22.3	22.2	23.5	22.7	24.1	24.6
	3H	21.3	22.5	21.8	23.0	23.6	24.8	26.0	25.3	26.6	27.2
	4H	21.8	23.0	22.4	23.5	24.2	26.2	27.4	26.8	28.0	28.6
	6H	22.2	23.3	22.8	23.9	24.6	27.8	28.9	28.4	29.5	30.1
	8H	22.3	23.4	22.9	24.0	24.7	28.7	29.7	29.3	30.3	31.0
	12H	22.4	23.4	23.0	24.0	24.7	29.7	30.7	30.3	31.3	32.0
4H	2H	21.0	22.2	21.6	22.7	23.4	22.7	23.9	23.3	24.4	25.1
	3H	22.7	23.7	23.3	24.3	25.0	25.5	26.6	26.1	27.2	27.9
	4H	23.4	24.4	24.0	25.0	25.7	27.2	28.1	27.8	28.8	29.5
	6H	24.0	24.8	24.7	25.5	26.2	29.0	29.8	29.6	30.5	31.2
	8H	24.2	25.0	24.9	25.7	26.4	30.0	30.8	30.7	31.5	32.2
	12H	24.4	25.1	25.0	25.8	26.5	31.2	31.9	31.8	32.6	33.3
8H	4H	24.5	25.3	25.2	26.0	26.7	27.5	28.3	28.2	28.9	29.7
	6H	25.5	26.2	26.2	26.9	27.7	29.6	30.3	30.3	31.0	31.8
	8H	25.9	26.5	26.6	27.2	28.1	30.8	31.4	31.5	32.1	33.0
	12H	26.2	26.8	27.0	27.5	28.3	32.3	32.8	33.0	33.5	34.4
12H	4H	24.9	25.6	25.5	26.3	27.1	27.5	28.2	28.2	28.9	29.7
	6H	26.1	26.7	26.8	27.4	28.2	29.7	30.3	30.4	31.0	31.9
	8H	26.7	27.2	27.4	28.0	28.8	31.1	31.6	31.8	32.3	33.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117, 1378 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-08-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

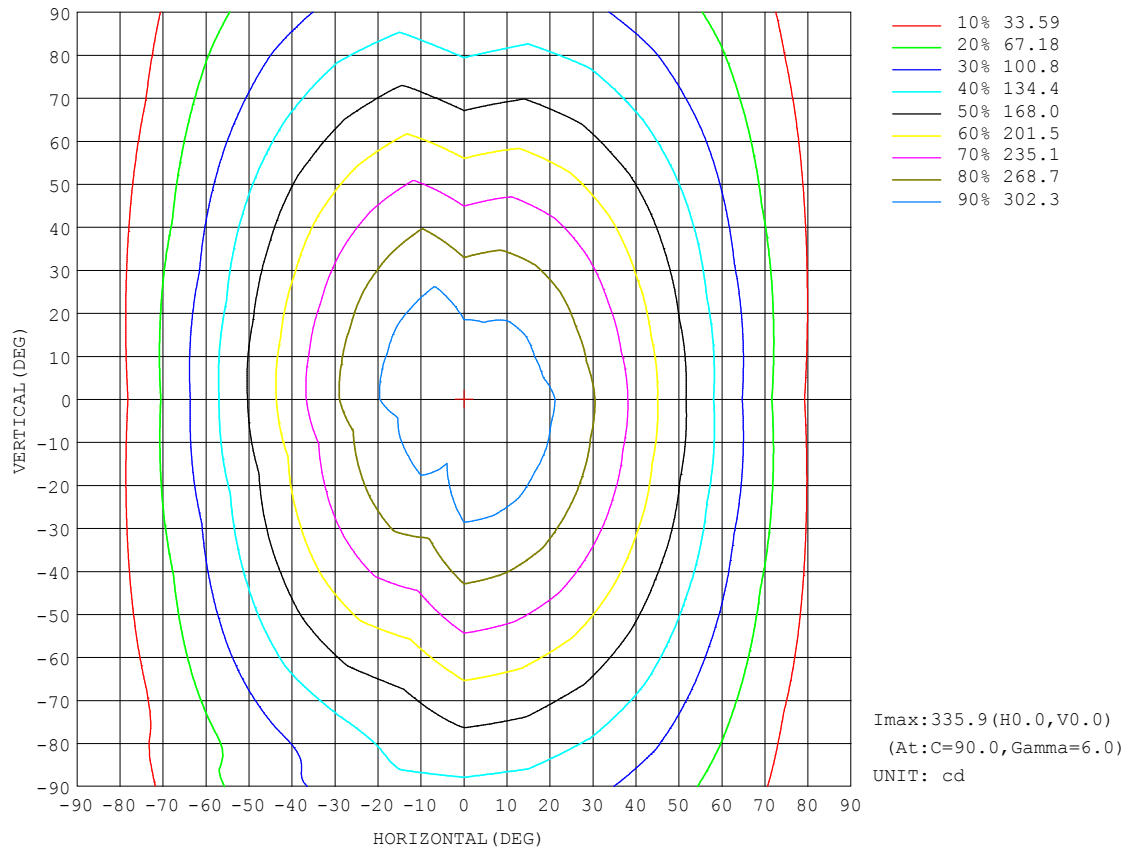
```

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	Shielding Angle:

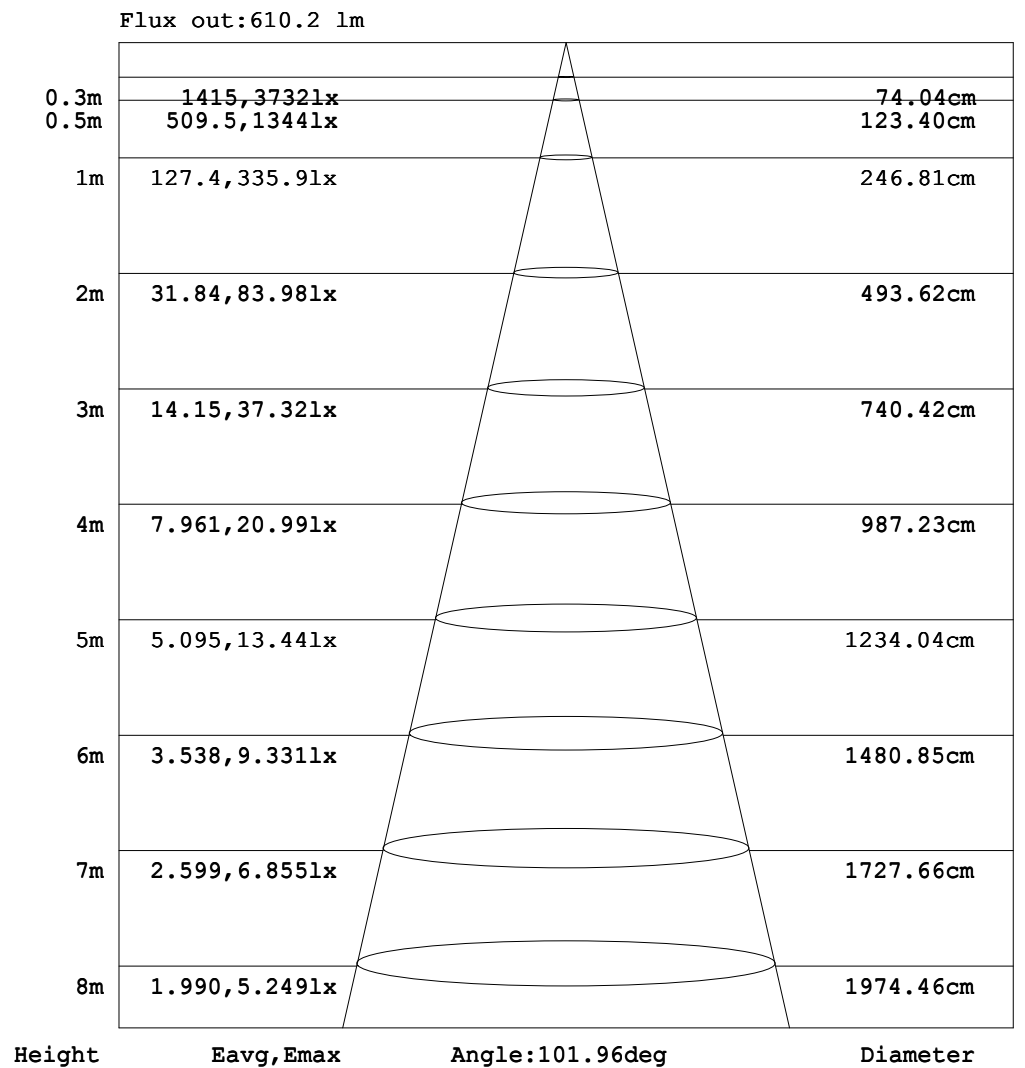


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-08-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

AAI Figure

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	Shielding Angle:



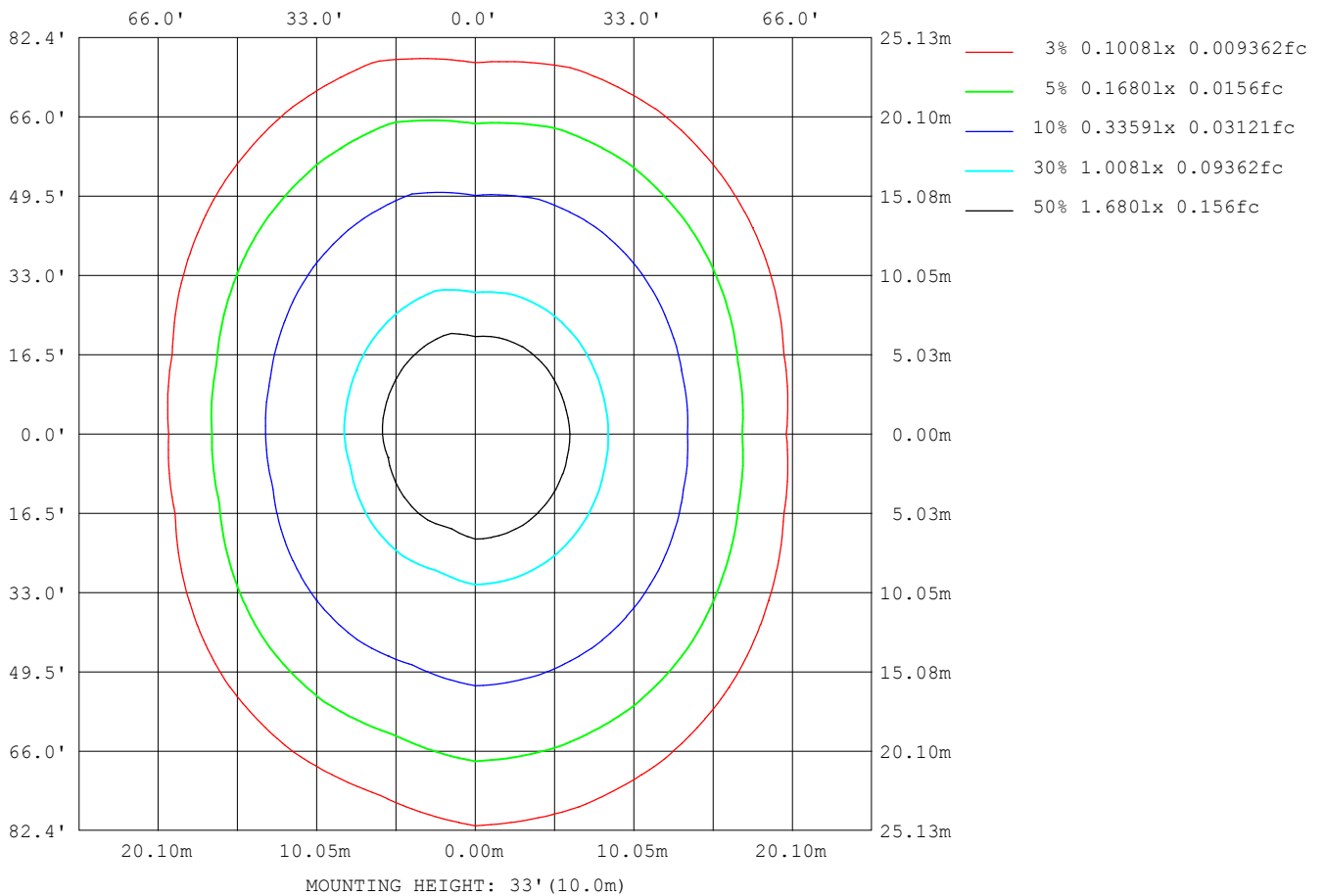
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-08-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-08-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	Shielding Angle:

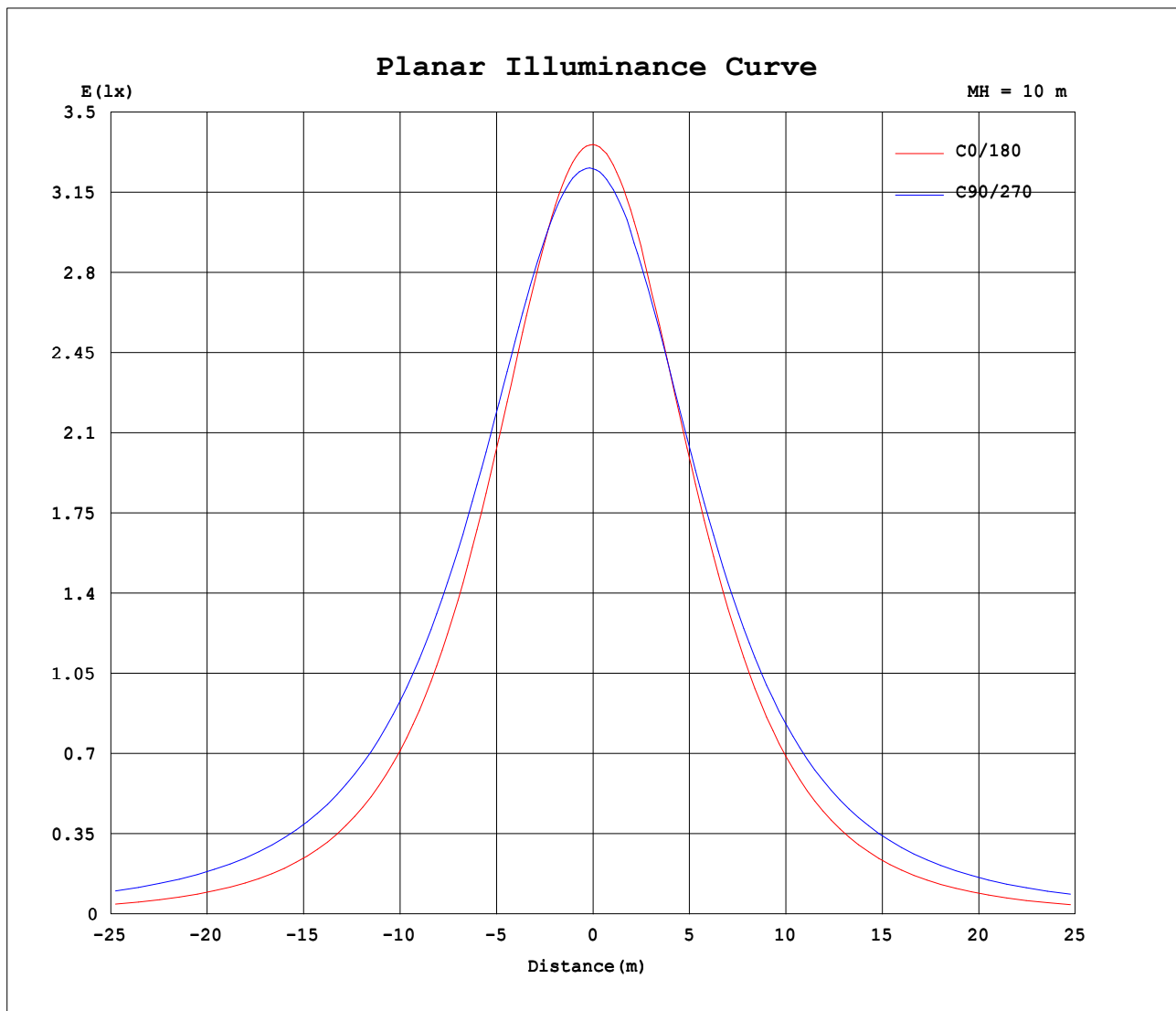
AvgL	cd/m2
L_0~180 (65) av	13429
L_0~180 (75) av	11155
L_0~180 (85) av	8281
L_90~270 (65) av	27042
L_90~270 (75) av	37253
L_90~270 (85) av	91463
L_45 (65) av	21880
L_45 (75) av	28202
L_45 (85) av	65166

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZR
 Test Date:2021-08-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:8.402m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZR
Test Date: 2021-08-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 8.402m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329
5	327	327	328	328	328	328	330	327	327	327	326	326	326	326	327	327	328	328	326
10	322	322	323	323	324	325	329	323	323	322	320	318	320	320	321	322	324	324	321
15	312	313	314	317	318	320	325	317	317	313	311	307	309	310	312	314	317	319	312
20	300	299	303	306	310	313	320	310	308	303	299	294	295	297	299	304	307	311	303
25	284	284	289	293	300	303	312	301	298	290	284	277	278	280	284	291	297	302	292
30	265	266	273	280	289	293	303	290	285	276	267	258	259	262	267	277	284	292	279
35	244	246	254	264	275	281	292	277	272	260	249	238	238	241	249	261	271	279	266
40	221	224	234	247	260	268	280	263	256	243	229	216	215	219	229	243	256	266	252
45	197	201	214	229	244	254	266	248	240	225	208	193	191	196	208	225	240	252	237
50	173	178	193	211	228	240	251	233	223	207	188	169	166	172	187	207	224	237	222
55	147	154	172	192	212	224	236	217	206	188	166	146	141	147	166	188	208	222	207
60	122	131	150	174	195	209	221	201	189	170	145	123	116	124	146	170	191	207	191
65	97.2	108	131	156	179	194	205	185	172	152	126	101	92.0	101	126	152	175	191	176
70	73.3	86.2	112	140	163	178	189	171	154	134	108	80.1	68.1	79.8	108	136	160	176	161
75	50.5	66.0	94.7	124	147	164	174	160	139	118	90.7	61.1	45.8	60.6	91.7	121	145	161	147
80	29.8	48.3	79.6	110	133	149	158	151	125	102	74.8	44.7	25.9	44.1	77.4	107	132	147	134
85	13.2	34.1	66.3	96.1	119	135	144	143	117	89.9	61.5	31.3	10.9	31.7	65.4	95.0	119	134	122
90	4.45	23.9	55.1	84.1	107	122	130	131	112	89.1	59.4	26.9	5.49	23.6	55.5	84.1	107	106	111
95	4.18	17.9	46.0	73.4	94.7	109	117	118	100	78.5	50.7	21.5	5.20	18.0	43.0	56.1	88.8	102	100
100	4.33	14.9	39.2	64.1	84.0	97.8	105	106	89.5	69.3	44.0	18.5	5.16	16.6	41.2	65.8	84.6	88.3	91.0
105	4.59	13.5	34.0	56.3	74.5	87.3	93.8	94.4	79.7	61.4	38.7	16.9	5.25	15.4	36.5	58.5	77.1	87.3	82.3
110	4.89	12.9	30.1	49.8	66.2	77.8	83.7	84.3	71.1	54.7	34.6	16.1	5.33	14.8	32.8	52.1	69.0	79.4	74.4
115	5.11	12.7	27.1	44.3	58.9	69.3	74.6	75.2	63.5	48.9	31.4	15.7	5.40	14.4	29.8	46.8	61.1	71.0	66.8
120	5.31	12.6	24.8	39.5	52.3	61.6	66.3	67.0	56.6	43.8	28.4	15.2	5.52	13.9	27.0	41.4	53.2	63.4	59.7
125	5.51	11.9	23.1	35.3	46.4	54.6	58.8	59.4	50.4	38.8	25.4	13.9	5.69	12.5	24.1	37.1	48.4	54.9	53.9
130	5.71	11.5	21.6	31.8	41.1	48.2	51.9	52.6	44.8	33.0	22.2	12.7	5.91	11.2	20.9	31.5	43.1	48.4	49.2
135	5.91	10.8	20.2	28.8	36.5	42.4	45.7	46.4	39.1	28.3	19.4	11.7	6.16	10.7	18.4	27.0	37.2	42.8	44.4
140	6.15	10.7	18.9	26.2	32.5	37.4	40.1	40.8	32.1	24.1	17.3	11.2	6.44	10.4	16.2	22.9	31.0	38.2	39.5
145	6.34	10.5	16.9	23.6	29.0	33.0	35.1	35.9	26.4	20.4	15.1	10.7	6.73	10.1	13.9	19.6	25.7	33.9	35.1
150	6.54	10.3	15.7	21.2	25.5	28.8	30.5	29.1	21.6	17.4	13.4	10.3	6.99	9.84	12.5	16.6	21.1	26.8	30.7
155	6.75	9.84	14.3	18.2	22.3	25.0	26.3	22.5	17.7	14.6	12.3	9.72	7.26	9.63	11.6	13.8	17.2	21.0	26.8
160	7.04	9.27	13.3	16.3	18.6	20.9	22.1	16.6	14.0	12.8	11.3	8.90	7.69	9.42	10.8	12.3	13.6	15.5	22.4
165	7.64	8.93	12.1	14.3	16.0	17.4	17.4	12.8	12.2	11.4	10.8	8.09	8.31	9.19	10.6	11.1	11.9	12.2	15.0
170	8.22	8.89	9.93	12.3	13.5	14.0	10.5	10.9	10.6	10.6	9.63	7.78	8.82	8.97	9.82	10.6	10.6	10.8	10.8
175	8.75	9.07	8.91	9.01	9.41	9.44	7.65	7.82	7.93	8.26	8.14	8.53	9.14	8.98	8.96	9.23	9.36	9.48	9.48
180	9.12	9.15	9.19	9.20	9.20	8.82	7.97	7.75	8.91	9.18	9.18	9.18	9.15	9.13	9.19	9.19	9.20	8.82	8.12

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-08-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:48.00V I:0.2262A P:10.86W PF:1.000 Freq:50.00Hz Lamp Flux:1377.85x1 lm		
NAME: M20-TM20-T44006-12G30-120D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:602*27.7	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	329	329	329	329	329														
5	329	328	328	328	328														
10	326	325	324	324	323														
15	321	317	317	315	314														
20	314	309	307	304	302														
25	306	299	295	290	288														
30	295	287	281	274	270														
35	283	273	265	256	250														
40	270	258	248	236	228														
45	256	243	230	216	206														
50	240	227	212	195	182														
55	225	210	193	174	157														
60	209	194	175	154	134														
65	193	178	157	134	111														
70	177	162	140	116	89.5														
75	163	147	124	98.5	69.7														
80	149	133	110	83.5	52.4														
85	135	120	97.8	70.5	38.6														
90	122	108	86.4	59.8	28.8														
95	110	96.5	76.1	50.8	22.5														
100	99.0	86.1	67.0	43.6	18.8														
105	88.6	76.8	59.1	38.0	16.9														
110	79.2	68.3	52.4	33.7	15.8														
115	70.7	60.8	46.7	30.3	15.1														
120	63.1	54.1	41.7	27.6	14.7														
125	56.2	48.1	37.4	25.4	14.2														
130	50.0	42.8	33.6	23.5	13.1														
135	44.2	38.0	30.4	21.8	12.6														
140	38.9	33.7	27.4	20.3	11.7														
145	34.0	29.9	24.7	18.4	11.4														
150	29.6	26.3	22.1	16.3	10.9														
155	25.5	23.0	18.9	15.0	10.07														
160	21.1	18.9	16.7	13.8	9.09														
165	17.3	16.3	14.6	12.3	8.29														
170	13.8	13.6	12.4	10.2	8.01														
175	9.39	9.72	9.27	8.63	8.46														
180	7.78	8.91	9.16	9.19	9.16														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZR
Test Date:2021-08-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks: