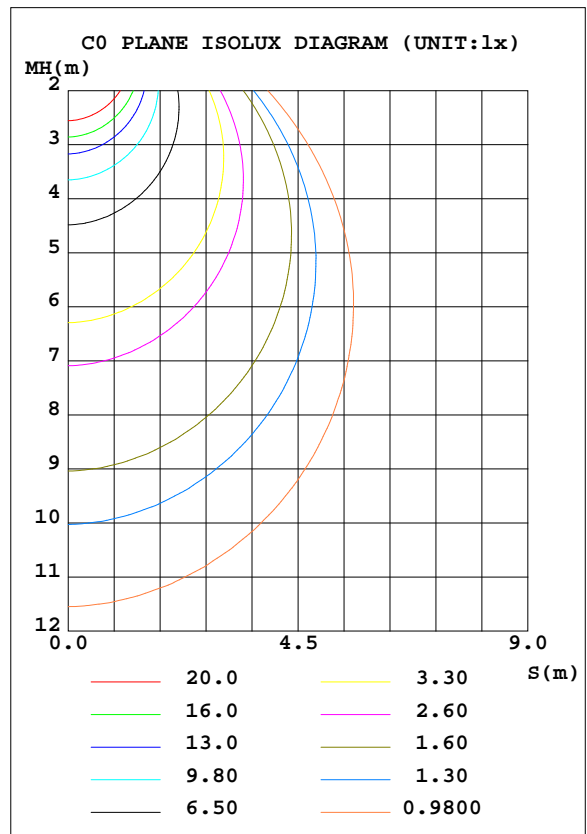
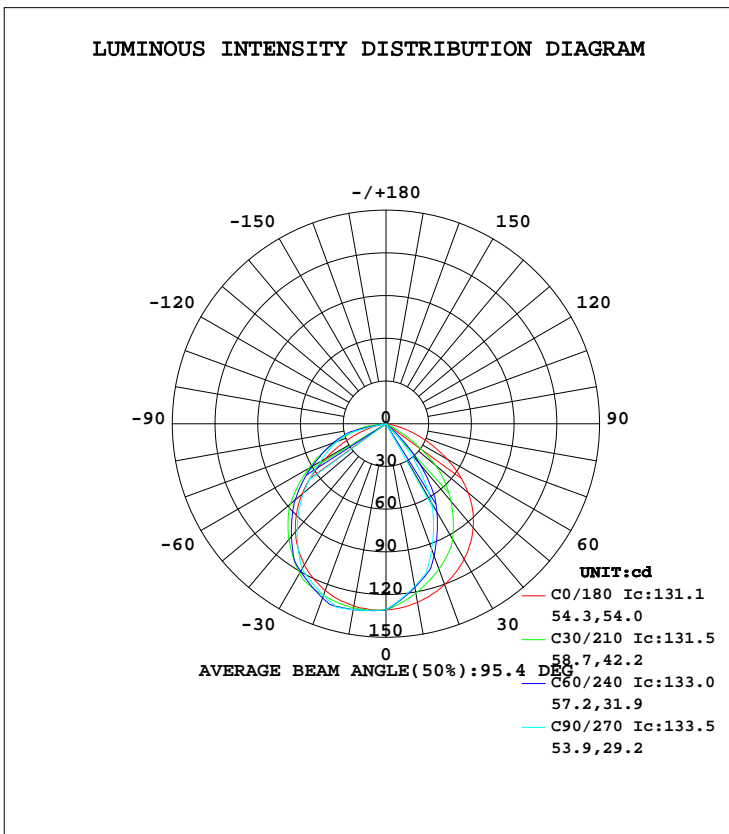


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.60 lm/W			
MODEL	BILTMORE 4W 2700K	Imax(cd)	133.7	S/MH(C0/180)	1.30
NOMINAL POWER(W)	4	LOR(%)	142.5	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	285.09	η UP, DN(C0-180)	0.0,47.3
NOMINAL FLUX(lm)	200	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,95.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	η down(%)	142.5	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2024-05-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [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
5	129.5	124.8	123.3	125.8	131.1	131.6	131.6	130.7	0- 5	3.090	3.090	1.08,1.55
10	127.5	118.4	116.0	120.3	129.9	131.9	132.5	130.1	5- 10	9.079	12.17	4.27,6.08
15	124.1	111.7	108.6	114.6	127.9	131.7	133.5	128.9	10- 15	14.70	26.87	9.42,13.4
20	120.4	104.6	93.84	108.4	124.6	130.8	128.3	127.4	15- 20	19.69	46.56	16.3,23.3
25	115.5	93.30	79.10	97.35	120.1	126.1	123.1	122.0	20- 25	23.66	70.22	24.6,35.1
30	109.8	81.15	64.35	85.47	114.6	120.3	117.9	115.8	25- 30	26.59	96.81	34,48.4
35	103.1	69.06	43.50	73.38	107.4	114.2	107.5	109.4	30- 35	28.28	125.1	43.9,62.5
40	95.31	56.08	22.65	60.23	98.98	107.3	97.05	102.2	35- 40	28.36	153.4	53.8,76.7
45	86.05	37.70	1.806	40.66	88.82	96.95	86.62	91.91	40- 45	26.89	180.3	63.3,90.2
50	75.30	19.13	1.204	20.69	77.09	86.54	75.40	81.67	45- 50	24.32	204.7	71.8,102
55	63.00	1.447	0.6021	1.665	63.65	75.99	64.19	71.56	50- 55	21.44	226.1	79.3,113
60	49.46	0.8766	0.0000	1.012	49.14	63.73	52.97	60.19	55- 60	18.14	244.2	85.7,122
65	35.88	0.3108	0	0.3621	35.15	51.62	44.79	48.99	60- 65	14.64	258.9	90.8,129
70	23.43	0	0	0	22.67	40.37	36.61	38.52	65- 70	11.38	270.2	94.8,135
75	12.16	0	0	0	11.58	30.14	28.42	28.85	70- 75	8.445	278.7	97.8,139
80	3.706	0	0	0	3.333	17.29	0	16.56	75- 80	5.080	283.8	99.5,142
85	0.5001	0	0	0	0.3856	0	0	0	80- 85	1.249	285.0	100,143
90	0	0	0	0	0	0	0	0	85- 90	0.0758	285.1	100,143
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

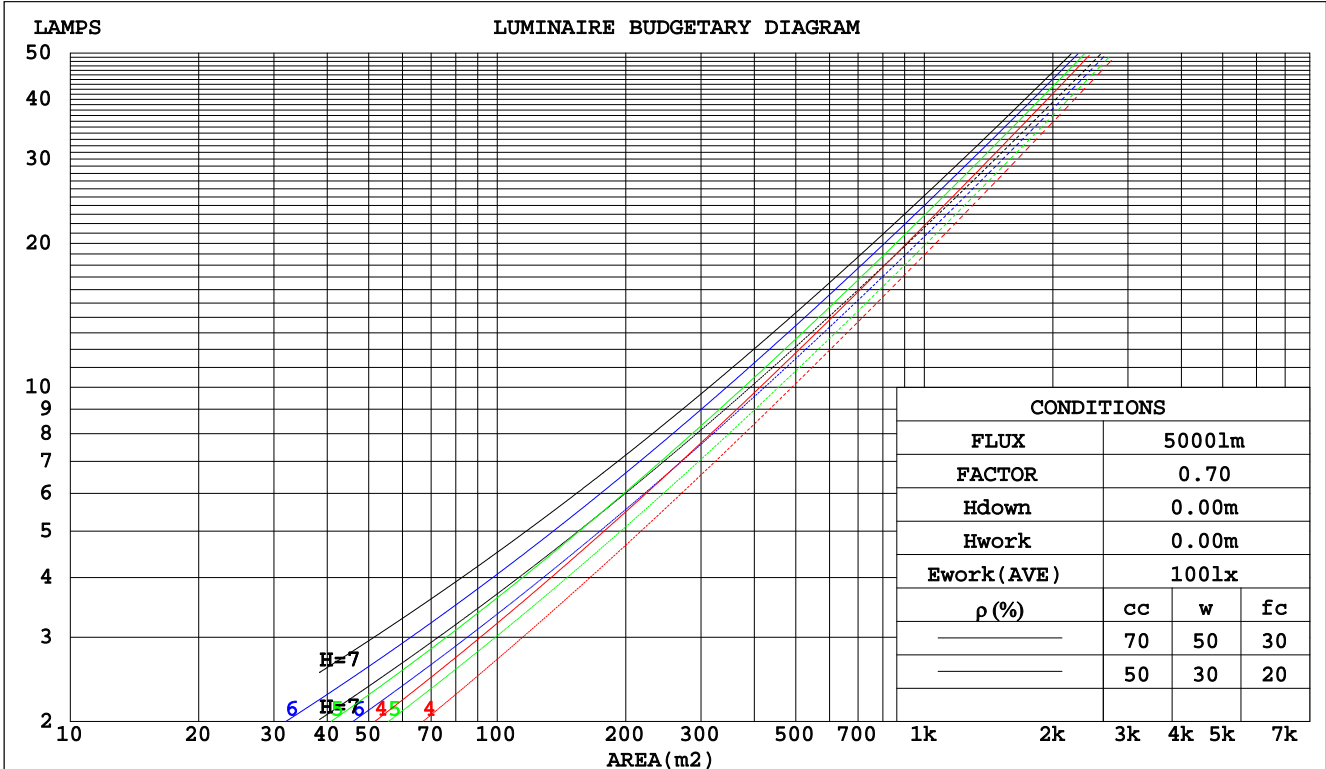
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2024-05-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	1.70	1.70	1.70	1.66	1.66	1.66	1.58	1.58	1.58	1.52	1.52	1.52	1.45	1.45	1.45	1.43
1.0	1.51	1.46	1.41	1.48	1.43	1.39	1.42	1.38	1.34	1.36	1.33	1.30	1.31	1.29	1.26	1.23
2.0	1.34	1.25	1.18	1.31	1.23	1.16	1.26	1.19	1.13	1.21	1.16	1.11	1.17	1.13	1.09	1.06
3.0	1.19	1.08	.00	1.17	1.07	.99	1.12	1.04	.97	1.09	1.01	.95	1.05	.99	.94	.91
4.0	1.06	.95	.86	1.04	.94	.85	1.01	.92	.84	.98	.90	.83	.95	.88	.82	.79
5.0	.96	.84	.75	.94	.83	.75	.91	.81	.74	.89	.80	.73	.86	.78	.72	.70
6.0	.87	.75	.66	.86	.74	.66	.83	.73	.65	.81	.72	.65	.79	.71	.64	.62
7.0	.79	.67	.59	.78	.67	.59	.76	.66	.59	.74	.65	.58	.72	.64	.58	.55
8.0	.73	.61	.53	.72	.61	.53	.70	.60	.53	.68	.59	.53	.67	.58	.52	.50
9.0	.67	.56	.48	.66	.55	.48	.65	.55	.48	.63	.54	.48	.62	.53	.47	.45
10.0	.62	.51	.44	.61	.51	.44	.60	.50	.44	.59	.50	.44	.57	.49	.43	.41



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2024-05-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	.384	.219	.069	.374	.214	.068	.356	.204	.065	.339	.195	.063	.323	.187	.060	
2.0	.371	.203	.062	.362	.199	.061	.346	.192	.060	.331	.186	.058	.317	.179	.057	
3.0	.349	.185	.056	.341	.183	.055	.327	.177	.054	.313	.172	.053	.301	.167	.052	
4.0	.325	.169	.050	.319	.167	.049	.306	.162	.048	.294	.158	.048	.283	.154	.047	
5.0	.304	.155	.045	.298	.153	.045	.287	.149	.044	.276	.146	.043	.266	.142	.043	
6.0	.284	.142	.041	.279	.141	.041	.269	.138	.040	.259	.135	.040	.251	.132	.039	
7.0	.266	.132	.037	.261	.130	.037	.252	.128	.037	.244	.125	.036	.236	.123	.036	
8.0	.250	.122	.034	.246	.121	.034	.238	.119	.034	.230	.117	.034	.223	.115	.033	
9.0	.235	.114	.032	.232	.113	.032	.224	.111	.031	.218	.109	.031	.211	.107	.031	
10.0	.222	.107	.030	.219	.106	.029	.212	.104	.029	.206	.102	.029	.200	.101	.029	

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	.272	.272	.272	.232	.232	.232	.158	.158	.158	.091	.091	.091	.029	.029	.029	
1.0	.253	.223	.196	.217	.191	.169	.148	.132	.117	.085	.076	.068	.027	.025	.022	
2.0	.240	.188	.145	.205	.162	.125	.141	.112	.088	.081	.065	.051	.026	.021	.017	
3.0	.227	.163	.111	.195	.140	.096	.134	.097	.068	.077	.057	.040	.025	.018	.013	
4.0	.216	.143	.088	.186	.124	.076	.128	.086	.054	.074	.051	.032	.024	.016	.010	
5.0	.206	.128	.071	.177	.111	.062	.122	.077	.044	.071	.045	.026	.023	.015	.009	
6.0	.196	.116	.059	.168	.100	.051	.116	.070	.036	.067	.041	.022	.022	.014	.007	
7.0	.186	.106	.050	.160	.092	.043	.111	.064	.031	.064	.038	.018	.021	.012	.006	
8.0	.178	.098	.043	.153	.085	.037	.106	.060	.026	.062	.035	.016	.020	.012	.005	
9.0	.169	.091	.037	.146	.079	.033	.101	.055	.023	.059	.033	.014	.019	.011	.005	
10.0	.162	.085	.033	.139	.073	.029	.097	.052	.021	.056	.031	.012	.018	.010	.004	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2024-05-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm										
NAME: 489960 BILTMORE 4W 2700K					TYPE:489960 BILTMORE 4W 2700KWEIGHT:					
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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	8.8	10.2	9.1	10.4	10.6	-1.2	0.2	-0.9	0.4	0.6
3H	9.5	10.8	9.8	11.0	11.2	-1.4	-0.1	-1.1	0.1	0.3
4H	9.5	10.8	9.8	11.0	11.3	-1.5	-0.3	-1.2	-0.0	0.2
6H	9.5	10.6	9.8	10.9	11.2	-1.6	-0.5	-1.3	-0.2	0.1
8H	9.4	10.6	9.8	10.8	11.1	-1.7	-0.6	-1.3	-0.3	0.0
12H	9.4	10.5	9.7	10.8	11.1	-1.7	-0.6	-1.4	-0.4	-0.1
4H 2H	8.5	9.8	8.8	10.0	10.2	-0.8	0.4	-0.5	0.6	0.9
3H	9.2	10.2	9.5	10.5	10.8	-1.0	0.0	-0.7	0.3	0.6
4H	9.2	10.2	9.6	10.5	10.8	-1.1	-0.2	-0.8	0.2	0.5
6H	9.2	10.1	9.6	10.4	10.8	-1.2	-0.4	-0.8	-0.0	0.3
8H	9.2	10.0	9.6	10.3	10.7	-1.3	-0.5	-0.9	-0.1	0.3
12H	9.1	9.8	9.5	10.2	10.6	-1.3	-0.6	-0.9	-0.2	0.2
8H 4H	9.1	9.9	9.5	10.2	10.6	-1.3	-0.5	-0.9	-0.1	0.3
6H	9.1	9.7	9.5	10.1	10.5	-1.4	-0.7	-0.9	-0.3	0.1
8H	9.0	9.6	9.5	10.0	10.5	-1.4	-0.8	-0.9	-0.4	0.1
12H	9.0	9.5	9.5	9.9	10.4	-1.4	-0.9	-1.0	-0.5	-0.0
12H 4H	9.0	9.8	9.5	10.2	10.6	-1.3	-0.6	-0.9	-0.2	0.2
6H	9.0	9.6	9.5	10.0	10.5	-1.4	-0.8	-0.9	-0.4	0.1
8H	9.0	9.5	9.5	9.9	10.4	-1.4	-0.9	-1.0	-0.5	-0.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.3					+ 2.5 / -21.8				
1.5H	+ 2.2 / - 5.1					+ 3.9 / -16.2				
2.0H	+ 3.3 / -19.6					+ 5.6 / -27.9				

CIE Pub.117 Corrected 200.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.6)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2024-05-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

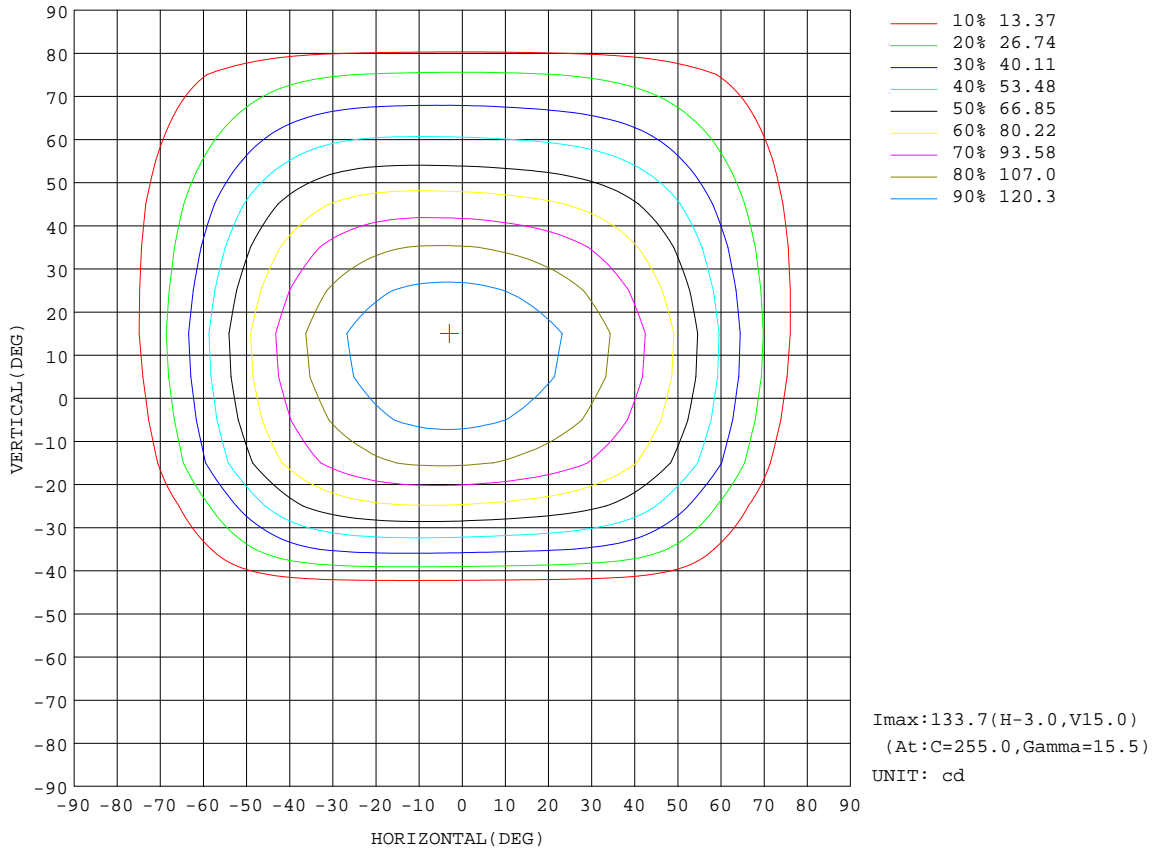
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	74	65	89	74	65	87	73	65	56
0.80	104	89	79	102	88	79	100	87	78	69
1.00	115	101	92	114	100	91	111	102	91	81
1.25	125	112	103	123	111	102	119	109	101	91
1.50	131	119	110	129	118	110	125	115	108	98
2.00	140	130	122	138	128	120	133	125	118	108
2.50	145	135	128	142	134	127	137	130	124	113
3.00	149	141	134	146	139	132	141	135	129	118
4.00	154	147	142	151	145	140	145	140	136	124
5.00	157	151	146	154	149	144	148	144	140	127
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2024-05-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

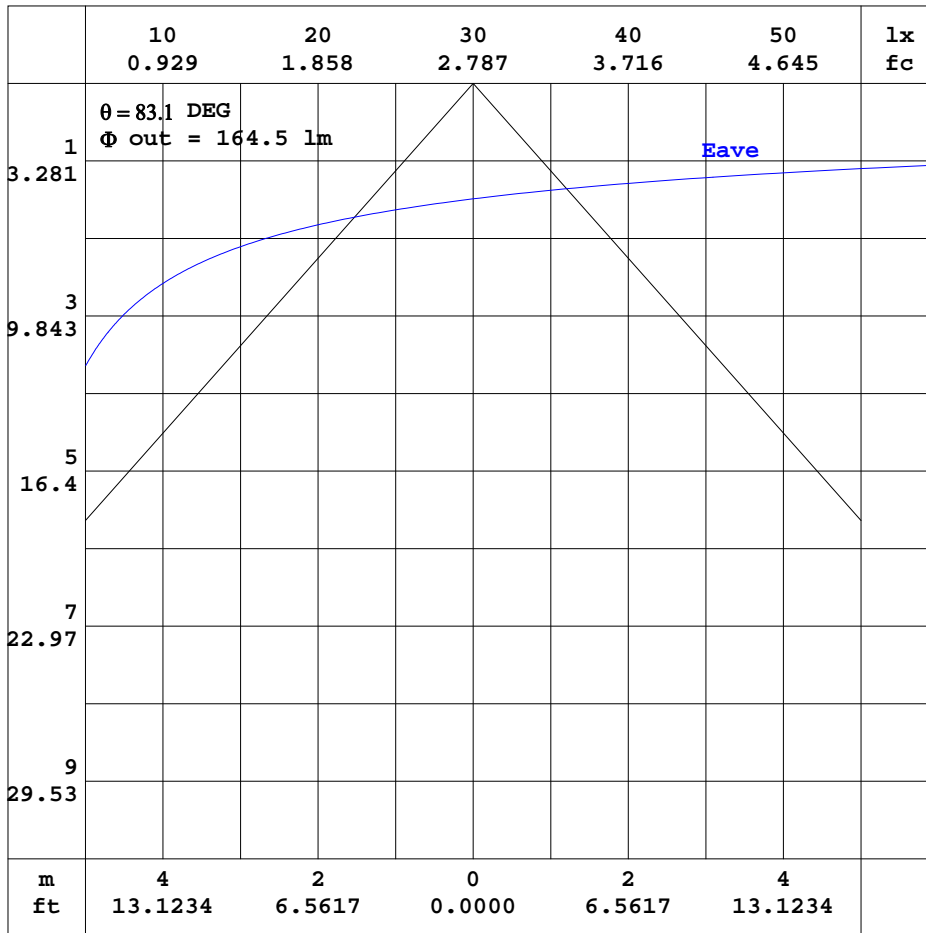


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: Y  
 Test Date: 2024-05-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.750m [K=1.0000]  
 Remarks:

AAI CURVES

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

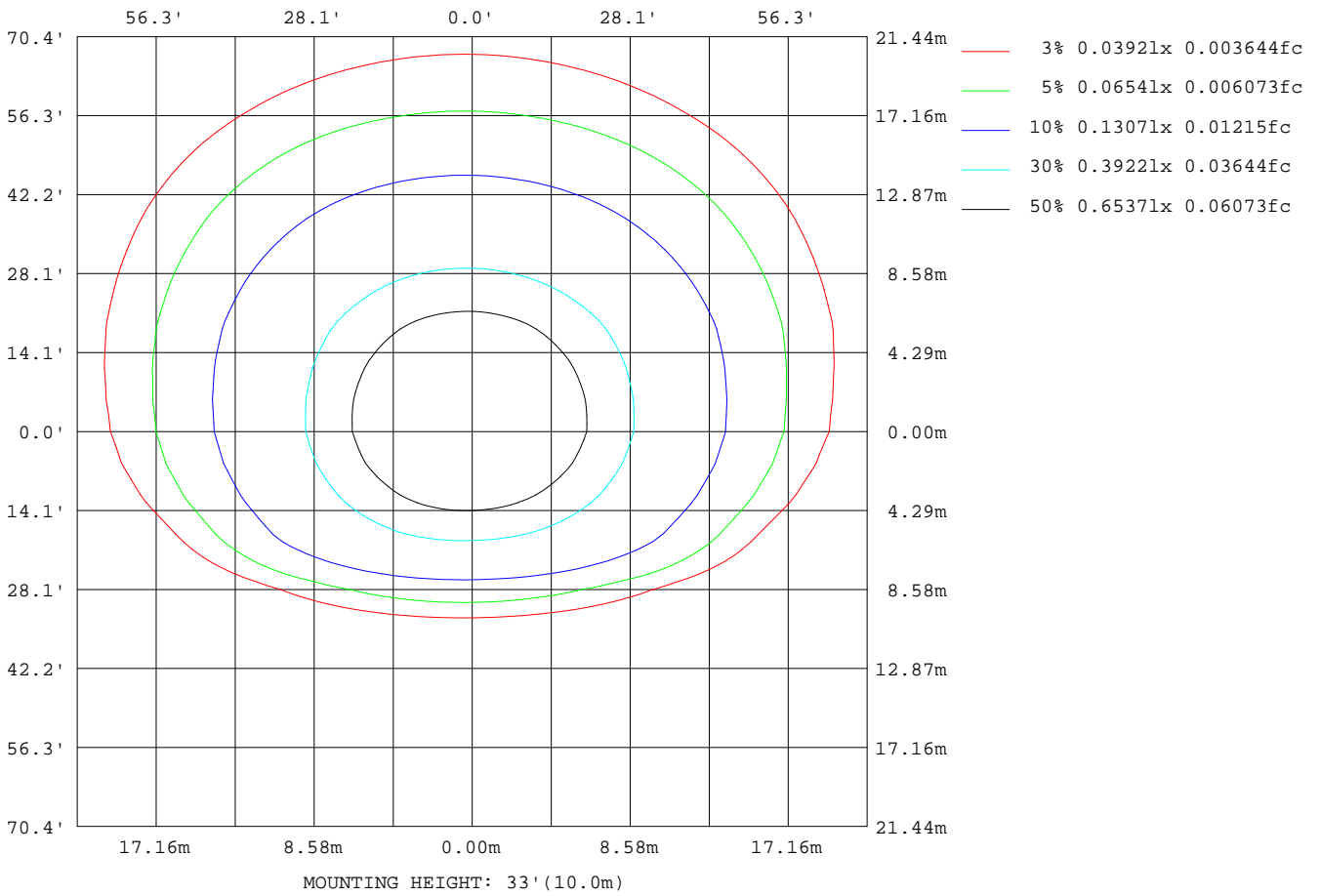
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2024-05-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:



**ISOLUX DIAGRAM**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2024-05-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

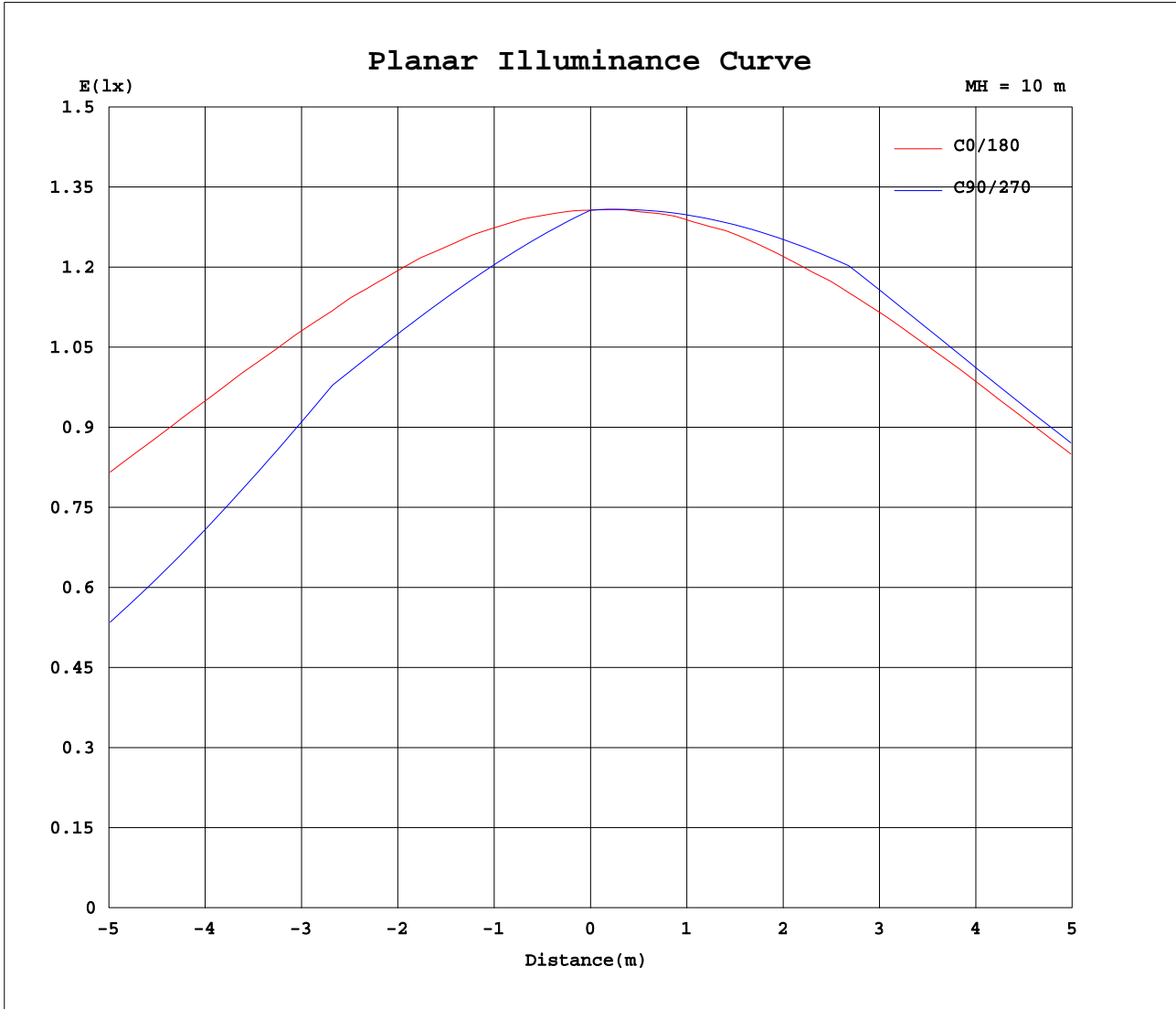
AvgL	cd/m2
L_0~180(65)av	420
L_0~180(75)av	229
L_0~180(85)av	25
L_90~270(65)av	265
L_90~270(75)av	275
L_90~270(85)av	0
L_45(65)av	300
L_45(75)av	285
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2024-05-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: Y  
 Test Date: 2024-05-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.750m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131
5	130	129	128	128	127	127	126	126	125	125	124	124	124	124	123	123	123	123	123
10	127	126	125	124	123	122	121	120	119	118	118	117	117	116	116	116	116	116	116
15	124	122	121	119	118	116	115	114	113	112	111	110	110	109	109	108	108	108	109
20	120	118	116	114	112	110	109	107	106	105	103	101	98.7	97.0	95.7	94.6	93.9	93.7	93.8
25	115	113	110	108	106	104	102	100	96.7	93.3	90.2	87.4	85.0	83.1	81.4	80.2	79.3	79.0	79.1
30	110	107	104	101	98.7	96.8	93.5	89.0	84.9	81.2	77.6	74.5	71.6	69.2	67.3	65.8	64.8	64.3	64.3
35	103	99.5	96.3	93.6	91.1	87.4	82.3	77.7	73.2	69.1	65.1	61.6	56.8	52.5	49.1	46.5	44.7	43.6	43.5
40	95.3	91.3	88.0	85.3	81.9	76.3	71.0	66.0	61.4	56.1	49.1	42.9	37.4	32.8	29.0	26.1	24.1	22.9	22.7
45	86.0	81.8	78.4	75.7	69.9	64.2	59.1	54.2	45.8	37.7	30.3	23.7	17.9	12.9	8.92	5.80	3.58	2.24	1.81
50	75.3	70.8	67.5	62.9	56.2	50.7	45.2	36.5	27.6	19.1	11.3	4.28	1.57	1.46	1.36	1.29	1.24	1.21	1.20
55	63.0	58.2	55.0	47.9	41.2	35.3	27.2	18.6	9.46	1.45	1.28	1.13	0.99	0.87	0.77	0.69	0.64	0.61	0.60
60	49.5	44.6	40.1	31.6	24.9	18.7	10.9	1.73	1.05	0.88	0.70	0.55	0.40	0.28	0.18	0.10	0.05	0.01	0.00
65	35.9	30.5	23.8	15.5	11.2	5.33	0.87	0.69	0.50	0.31	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	23.4	17.3	10.1	5.59	2.07	0.55	0.37	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	12.2	6.28	2.08	0.74	0.31	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	3.71	1.11	0.31	0.14	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.50	0.13	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2024-05-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C( DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131
5	123	124	124	124	124	125	125	125	126	126	127	127	128	129	129	130	130	131	131
10	116	116	117	117	118	118	119	119	120	121	122	123	124	125	126	127	129	130	130
15	109	109	110	110	111	112	113	113	115	116	117	118	120	121	123	124	126	128	128
20	94.3	95.1	96.1	97.5	99.3	101	104	106	108	110	111	113	114	116	118	120	122	125	125
25	79.7	80.6	81.9	83.6	85.7	88.2	91.0	94.0	97.4	101	105	107	108	110	112	115	117	120	121
30	65.0	66.1	67.6	69.6	72.1	75.0	78.1	81.7	85.5	89.4	93.8	98.4	102	104	106	109	111	115	115
35	44.2	45.7	48.0	51.1	55.1	60.0	65.4	69.2	73.4	77.8	82.4	87.3	92.4	96.1	98.3	101	104	107	108
40	23.3	24.7	27.1	30.4	34.6	39.7	45.6	52.6	60.2	65.9	70.6	75.5	80.8	86.4	89.5	92.1	95.2	99.0	100.0
45	2.28	3.67	6.04	9.37	13.7	19.0	25.4	32.6	40.7	49.4	58.4	63.2	68.2	73.6	79.4	81.7	84.8	88.8	90.0
50	1.23	1.27	1.35	1.44	1.56	1.72	4.64	12.2	20.7	29.8	39.3	48.8	54.1	59.4	65.8	69.9	72.9	77.1	78.5
55	0.62	0.66	0.73	0.82	0.94	1.09	1.26	1.45	1.66	10.3	20.1	29.3	37.7	43.5	49.8	56.7	59.4	63.6	65.5
60	0.01	0.05	0.11	0.19	0.30	0.45	0.61	0.80	1.01	1.23	1.98	11.7	20.1	26.7	33.1	41.1	45.0	49.1	51.4
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.36	0.58	0.81	1.02	5.79	12.1	16.6	24.5	30.7	35.2	37.9
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.43	0.65	2.29	6.04	10.5	17.6	22.7	25.9
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.35	0.82	2.37	6.53	11.6	15.8
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.31	1.14	3.33	6.98
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.39	1.58
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2024-05-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C( DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131
5	131	131	131	131	131	132	132	132	132	132	132	132	132	132	132	132	132	132	132
10	130	131	131	131	131	132	132	132	132	132	132	133	133	133	133	133	133	132	132
15	128	129	129	130	130	131	131	132	132	133	133	133	133	134	134	134	133	133	133
20	125	126	127	128	128	129	130	131	131	131	130	130	129	129	129	128	128	128	128
25	121	122	123	125	126	127	127	126	126	125	125	125	124	124	124	123	123	123	123
30	116	117	119	120	121	121	121	120	120	120	120	120	119	119	119	118	118	118	117
35	109	111	113	114	114	114	114	114	114	114	113	112	111	110	109	108	107	107	107
40	102	104	106	106	106	107	107	107	106	105	103	102	101	99.4	98.3	97.5	97.1	96.8	96.7
45	92.1	95.0	95.5	96.3	97.3	98.7	97.9	96.9	95.8	94.7	93.3	91.9	90.5	89.3	88.0	87.1	86.6	86.4	86.4
50	81.3	83.5	84.5	86.1	87.5	87.2	86.9	86.5	85.8	84.7	83.2	81.4	79.6	78.2	76.8	75.9	75.4	75.2	75.3
55	69.0	70.5	72.4	74.6	75.1	75.7	76.1	76.0	74.9	73.3	71.7	69.9	68.2	66.8	65.5	64.7	64.2	64.0	64.2
60	54.9	56.8	59.6	61.0	62.6	64.0	64.2	63.7	62.9	61.6	60.1	58.4	56.8	55.3	54.2	53.4	53.0	52.9	53.1
65	40.6	43.4	45.5	47.9	49.9	51.0	51.6	51.6	51.0	50.1	49.1	48.1	47.1	46.2	45.5	45.0	44.8	44.7	44.7
70	28.2	30.7	33.3	35.4	37.1	38.5	39.6	40.4	40.5	40.2	39.6	38.9	38.1	37.5	37.1	36.8	36.6	36.5	36.6
75	18.4	20.8	22.7	24.4	26.1	27.9	29.2	30.1	30.5	30.4	30.0	29.5	29.1	28.7	28.6	28.5	28.4	28.4	28.4
80	10.6	12.6	14.4	16.0	17.4	18.6	19.5	17.3	14.0	10.8	7.90	5.44	3.45	1.92	0.85	0.21	0.00	0.21	0.85
85	3.62	5.75	6.64	3.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2024-05-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:11.93V I:0.3212A P:3.618W PF:0.9444 Lamp Flux:235x1 lm		
NAME: 489960 BILTMORE 4W 2700K	TYPE:489960 BILTMORE 4W 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131				
5	131	131	131	131	131	131	131	131	130	130	130	130	130	130	130				
10	132	132	132	131	131	130	130	130	129	129	129	128	128	128	128				
15	133	132	132	131	130	130	129	128	128	127	126	126	125	125	124				
20	128	128	128	128	128	128	127	126	125	124	123	122	122	121	121				
25	122	122	122	122	122	122	122	122	123	121	120	119	118	117	116				
30	117	116	116	116	116	116	116	116	116	116	116	114	113	111	110				
35	107	108	108	109	110	110	109	109	109	109	109	108	106	105	104				
40	96.9	97.4	98.1	99.0	100	101	102	102	102	101	101	101	99.6	97.6	96.1				
45	86.7	87.2	88.0	88.9	89.8	90.9	91.9	93.0	94.0	93.0	92.2	91.7	91.4	88.9	87.1				
50	75.8	76.5	77.5	78.8	79.8	80.8	81.7	82.4	83.1	83.8	82.8	81.5	80.9	78.9	76.5				
55	64.7	65.6	66.6	67.8	69.1	70.3	71.6	71.9	72.0	72.1	72.2	70.6	68.9	67.5	64.5				
60	53.7	54.6	55.8	57.0	58.2	59.3	60.2	60.7	61.1	60.3	59.5	58.8	56.2	54.3	51.3				
65	45.0	45.5	46.1	46.8	47.5	48.3	49.0	49.2	49.0	48.3	46.9	45.2	43.6	40.7	38.1				
70	36.7	37.1	37.4	37.9	38.3	38.6	38.5	38.0	37.3	36.2	34.8	33.0	31.1	28.8	26.3				
75	28.4	28.6	28.7	29.0	29.1	29.1	28.9	28.1	27.0	25.6	24.1	22.6	20.8	18.9	16.1				
80	1.90	3.40	5.32	7.67	10.4	13.4	16.6	18.7	17.9	16.8	15.6	14.1	12.6	10.6	7.47				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	6.16	5.45	3.67	1.72			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2024-05-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks: