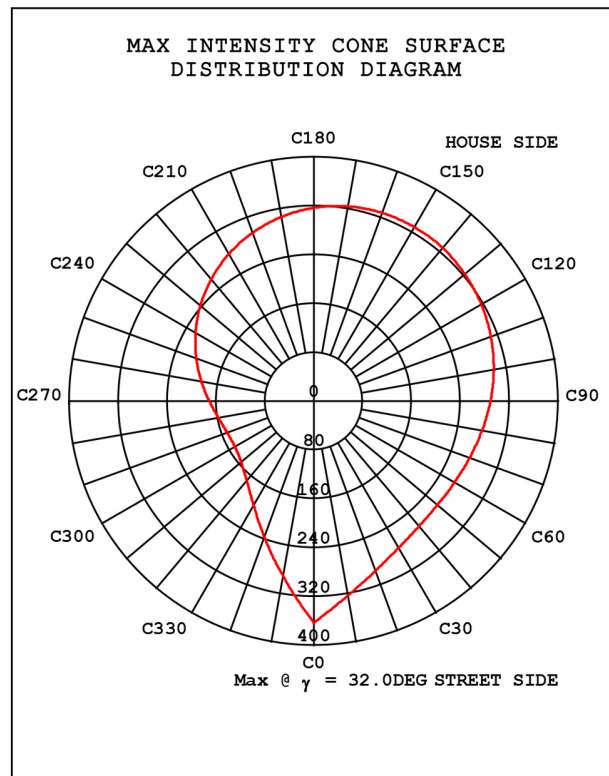
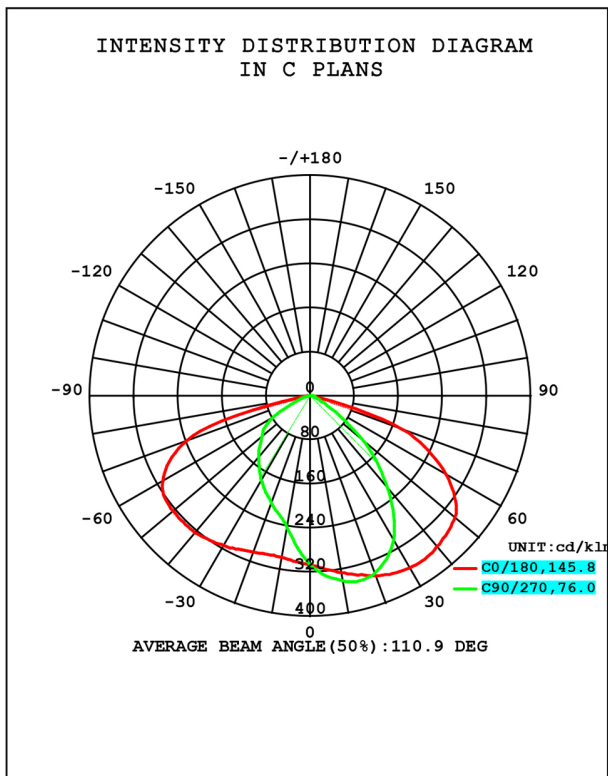


BAYLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.21V I:0.8585A P:196.37W PF:0.9936 Freq:50.00Hz Lamp Flux:25987x1 lm		
NAME:BRANON	TYPE:Bay light	WEIGHT:6 kg
SPEC.:200W 26000Lm 6500K	DIM.: L64W29H10 cm	SERIAL No.:GO DS 1074-01
MFR.: Mehr Afarin Pars	SUR.:0.20 x 0.20 m2 (1)	Shielding Angle:145.8x76/0 DEG

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.34 lm/W			
MODEL	LST	I _{max} (cd/klm)	363.0	η street_up (%)	0.1
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	64.5
RATED VOLTAGE (V)	230	TOTAL FLUX (lm/klm)	1000	η house_up (%)	0.0
NOMINAL FLUX (lm)	25987	MAXIMUM @ (C, γ)	0,32.0	η house_down (%)	35.4
LAMPS INSIDE	1	η up (%)	0.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	99.9	SLI	



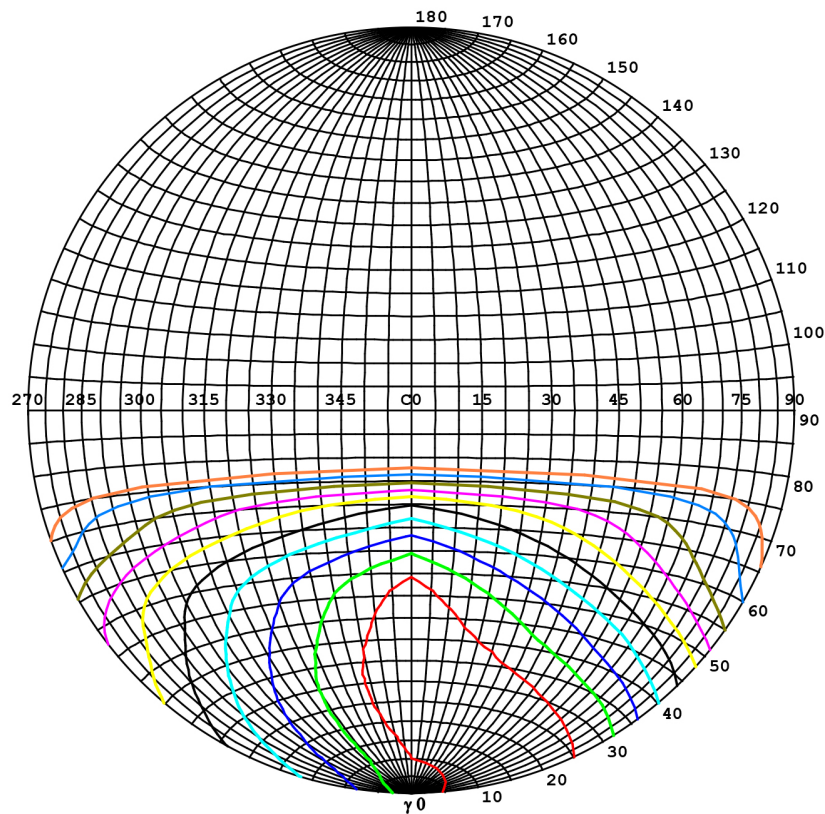
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Mr. Salari
Test Date:1403/11/14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:35%
Test Distance:5.700m [K=1.0000]
Remarks: THD_V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

BAYLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.21V I:0.8585A P:196.37W PF:0.9936 Freq:50.00Hz Lamp Flux:25987x1 lm		
NAME: BRANON	TYPE: Bay light	WEIGHT: 6 kg
SPEC.:200W 26000Lm 6500K	DIM.: L64W29H10 cm	SERIAL No.:GO DS 1074-01
MFR.: Mehr Afarin Pars	SUR.:0.20 x 0.20 m2 (1)	Shielding Angle:145.8x76/0

DEG



Classification:

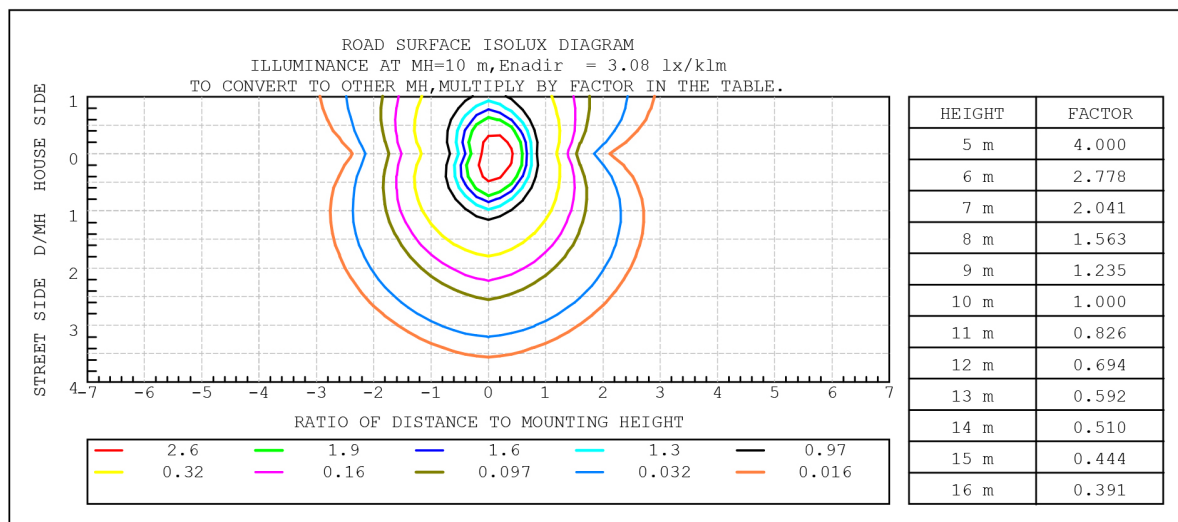
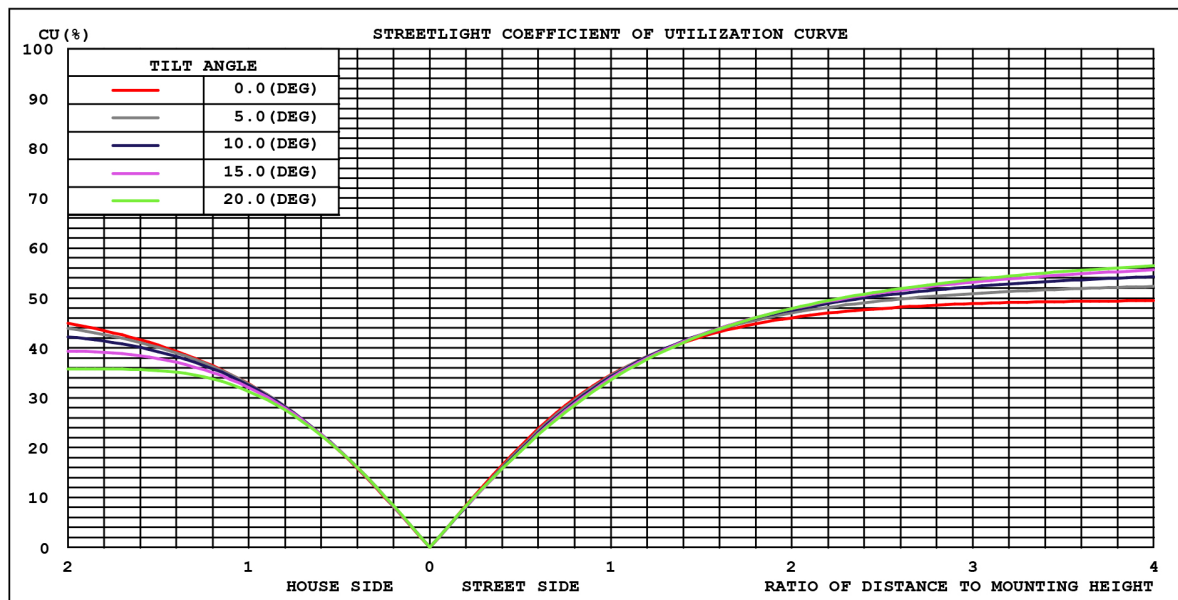
IES:Type VS - Very Short
 CIE:Average - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:16.71cd/klm
 Max.At90:0cd/klm
 Max.80-90:16.71cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd/klm
Imax=100%	363
90%	327
80%	290
70%	254
60%	218
50%	182
40%	145
30%	109
20%	73
10%	36
5%	18

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Mr. Salari
 Test Date:1403/11/14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:35%
 Test Distance:5.700m [K=1.0000]
 Remarks: THD V 0.30%
 THD I 6.55 %
 S 197.6 VA
 P 196.34 W
 Q 22.3 var

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: Mr. Salari
Test Date: 1403/11/14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 35%
Test Distance: 5.700m [K=1.0000]
Remarks: THD_V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

ZONAL FLUX DIAGRAM

Test:U:230.21V I:0.8585A P:196.37W PF:0.9936 Freq:50.00Hz Lamp Flux:25987x1 lm		
NAME: BRANON	TYPE: Bay light	WEIGHT: 6 kg
SPEC.:200W 26000lm 6500K	DIM.: L64W29H10 cm	SERIAL No.:GO DS 1074-01
MFR.: Mehr Afarin Pars	SUR.:0.20 x 0.20 m2 (1)	Shielding Angle:145.8x76/0

DEG

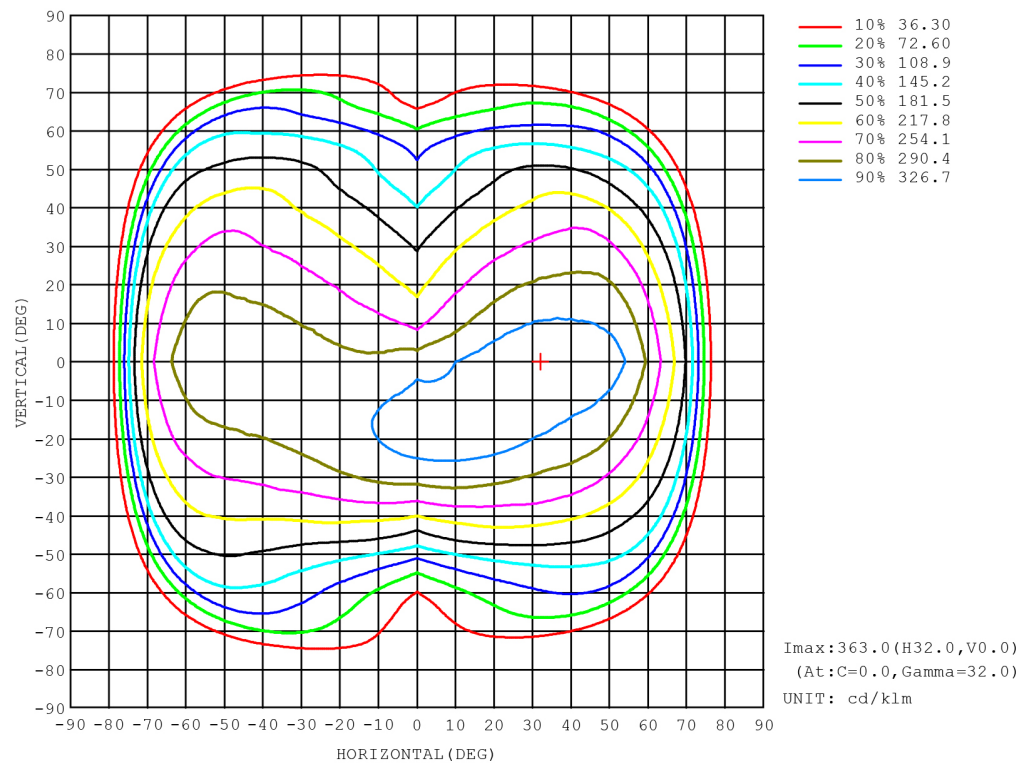
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	326.6	341.0	298.3	243.5					0- 10	29.04	29.04	2.9,2.9
20	348.0	343.6	301.6	207.3					10- 20	85.42	114.5	11.4,11.4
30	361.9	302.8	314.0	177.5					20- 30	136.6	251.1	25.1,25.1
40	358.0	219.0	324.7	145.6					30- 40	173.4	424.4	42.4,42.4
50	343.1	122.2	325.4	113.5					40- 50	189.1	613.6	61.4,61.4
60	285.7	35.87	309.3	75.36					50- 60	181.9	795.4	79.5,79.5
70	178.0	12.22	237.7	18.36					60- 70	143.0	938.4	93.8,93.8
80	6.042	5.531	16.71	0.5602					70- 80	59.14	997.5	99.8,99.8
90	0	0	0	0					80- 90	1.553	999.1	99.9,99.9
100	0	0	0	0					90-100	0	999.1	99.9,99.9
110	0	0	0	0					100-110	0	999.1	99.9,99.9
120	0.0306	0	0.1144	0					110-120	0.0135	999.1	99.9,99.9
130	0.1787	0	0.2542	0					120-130	0.0603	999.2	99.9,99.9
140	0.4107	0.0002	0.4602	0.1889					130-140	0.1421	999.3	99.9,99.9
150	0.5689	0.2330	0.6272	0.3646					140-150	0.2241	999.5	100,100
160	0.6225	0.4398	0.6759	0.5185					150-160	0.2339	999.8	100,100
170	0.6619	0.5919	0.6958	0.6425					160-170	0.1717	999.9	100,100
180	0.6920	0.6674	0.6929	0.6665					170-180	0.0632	1000	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Mr. Salari
Test Date:1403/11/14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:35%
Test Distance:5.700m [K=1.0000]
Remarks: THD_V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

ISOCANDELA DIAGRAM

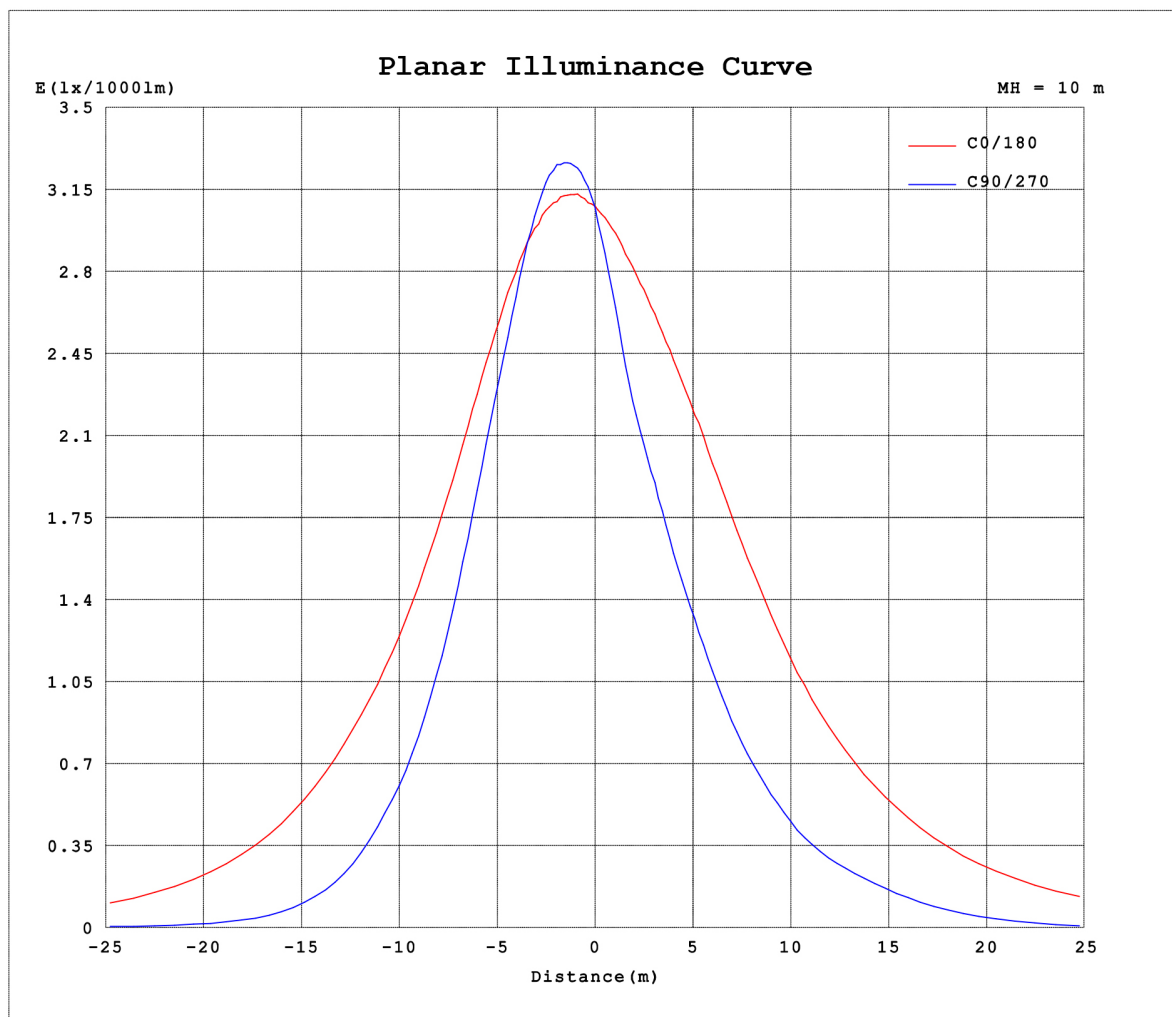
Test:U:230.21V I:0.8585A P:196.37W PF:0.9936 Freq:50.00Hz Lamp Flux:25987x1 lm		
NAME: BRANON	TYPE: Bay light	WEIGHT: 6 kg
SPEC.:200W 26000lm 6500K	DIM.: L64W29H10 cm	SERIAL No.:GO DS 1074-01
MFR.: Mehr Afarin Pars	SUR.:0.20 x 0.20 m2 (1)	Shielding Angle:145.8x76/0 DEG



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Mr. Salari
Test Date:1403/11/14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:35%
Test Distance:5.700m [K=1.0000]
Remarks: THD V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

Planar Illuminance Curve



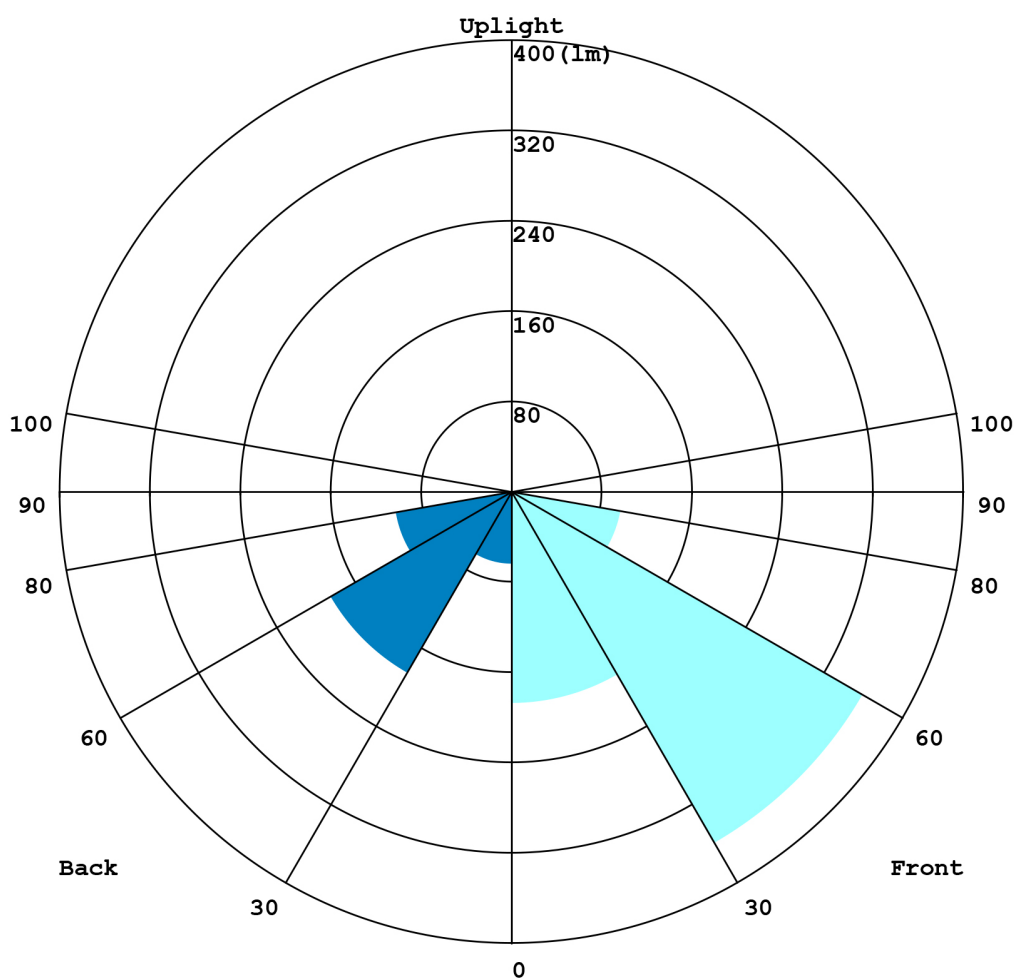
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: Mr. Salari
 Test Date: 1403/11/14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 35%
 Test Distance: 5.700m [K=1.0000]
 Remarks: THD_V 0.30%
 THD_I 6.55 %
 S 197.6 VA
 P 196.34 W
 Q 22.3 var

LCS REPORT

Test:U:230.21V I:0.8585A P:196.37W PF:0.9936 Freq:50.00Hz Lamp Flux:25987x1 lm		
NAME: BRANON	TYPE: Bay light	WEIGHT: 6 kg
SPEC.: 200W 26000Lm 6500K	DIM.: L64W29H10 cm	SERIAL No.:GO DS 1074-01
MFR.: Mehr Afarin Pars	SUR.:0.20 x 0.20 m2 (1)	Shielding Angle:145.8x76/0 DEG

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Mr. Salari
Test Date:1403/11/14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:35%
Test Distance:5.700m [K=1.0000]
Remarks: THD_V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

BUG REPORT

Test:U:230.21V I:0.8585A P:196.37W PF:0.9936 Freq:50.00Hz Lamp Flux:25987x1 lm		
NAME:BRANON	TYPE: Bay light	WEIGHT: 6 kg
SPEC.:200W 26000Lm 6500K	DIM.: L64W29H10 cm	SERIAL No.:GO DS 1074-01
MFR.: Mehr Afarin Pars	SUR.:0.20 x 0.20 m2 (1)	Shielding Angle:145.8x76/0

DEG

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	186.99	18.7
FM - Front-Medium(30-60)	359.14	35.9
FH - Front-High(60-80)	98.167	9.8
FVH - Front-Very High(80-90)	0.72107	0.1
Total Forward Light	645.59	64.6

BL - Back-Low(0-30)	64.059	6.4
BM - Back-Medium(30-60)	185.21	18.5
BH - Back-High(60-80)	103.97	10.4
BVH - Back-Very High(80-90)	0.83208	0.1
Total Back Light	354.41	35.4

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0.90877	0.1
Total Up Light	0.90877	0.1

BUG(Back,Up,Glare) Rating	B0-U1-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	354.07	0.34744	354.41
Street Side	645.02	0.56133	645.59

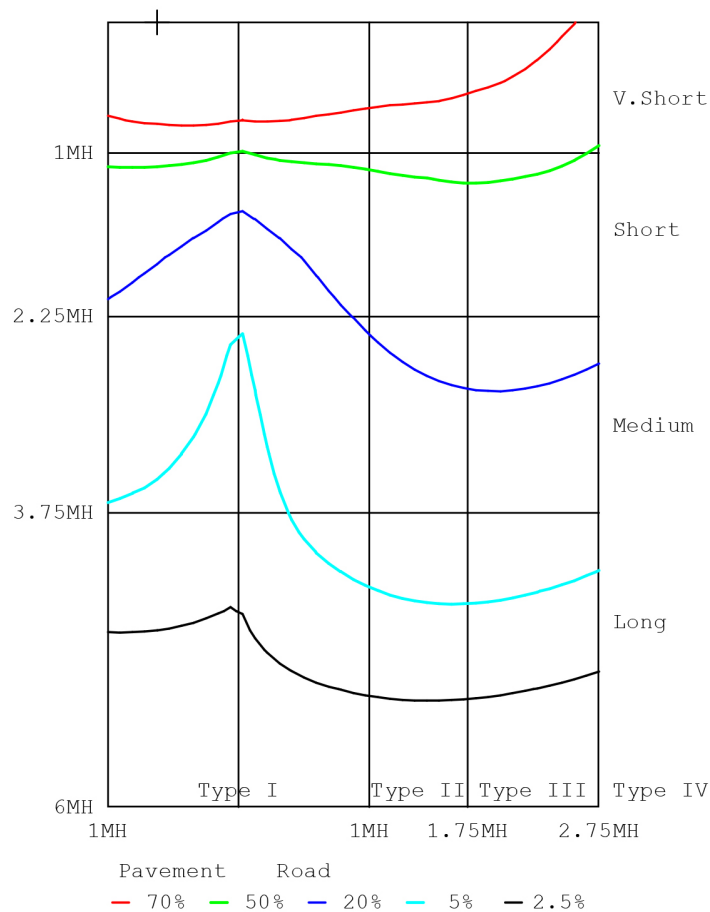
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Mr. Salari
Test Date:1403/11/14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:35%
Test Distance:5.700m [K=1.0000]
Remarks: THD_V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

ROAD ISOCANDELA REPORT

Test:U:230.21V I:0.8585A P:196.37W PF:0.9936 Freq:50.00Hz Lamp Flux:25987x1 lm		
NAME: BRANON	TYPE: Bay light	WEIGHT: 6 kg
SPEC.:200W 26000lm 6500K	DIM.: L64W29H10 cm	SERIAL No.:GO DS 1074-01
MFR.: Mehr Afarin Pars	SUR.:0.20 x 0.20 m2 (1)	Shielding Angle:145.8x76/0 DEG

SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Mr. Salari
Test Date:1403/11/14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:35%
Test Distance:5.700m [K=1.0000]
Remarks: THD_V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.21V I:0.8585A P:196.37W PF:0.9936 Freq:50.00Hz Lamp Flux:25987x1 lm		
NAME: BRANON	TYPE: Bay light	WEIGHT: 6 kg
SPEC.:200W 26000lm 6500K	DIM.: L64W29H10 cm	SERIAL No.:GO DS 1074-01
MFR.: Mehr Afarin Pars	SUR.:0.20 x 0.20 m2 (1)	Shielding Angle:145.8x76/0

DEG

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	308	307	308	307															
5	317	328	302	276															
10	327	341	298	243															
15	337	348	298	223															
20	348	344	302	207															
25	357	327	308	192															
30	362	303	314	178															
35	362	265	320	161															
40	358	219	325	146															
45	353	173	325	129															
50	343	122	325	113															
55	321	71.6	323	102															
60	286	35.9	309	75.4															
65	237	19.6	282	40.6															
70	178	12.2	238	18.4															
75	63.1	10.0	139	8.70															
80	6.04	5.53	16.7	0.56															
85	0.55	0.00	1.00	0.00															
90	0.00	0.00	0.00	0.00															
95	0.00	0.00	0.00	0.00															
100	0.00	0.00	0.00	0.00															
105	0.00	0.00	0.00	0.00															
110	0.00	0.00	0.00	0.00															
115	0.00	0.00	0.05	0.00															
120	0.03	0.00	0.11	0.00															
125	0.09	0.00	0.17	0.00															
130	0.18	0.00	0.25	0.00															
135	0.29	0.00	0.35	0.10															
140	0.41	0.00	0.46	0.19															
145	0.50	0.11	0.56	0.28															
150	0.57	0.23	0.63	0.36															
155	0.60	0.34	0.66	0.44															
160	0.62	0.44	0.68	0.52															
165	0.64	0.52	0.69	0.59															
170	0.66	0.59	0.70	0.64															
175	0.68	0.64	0.70	0.67															
180	0.69	0.67	0.69	0.67															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Mr. Salari
Test Date:1403/11/14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:35%
Test Distance:5.700m [K=1.0000]
Remarks: THD_V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

Photometric Data Table [cd/klm]

G/C	0.0	90.0	180.0	270.0
0.0	307.8	307.1	307.8	307.1
3.0	312.4	320.2	304.3	289.1
6.0	318.2	330.6	301.4	269.0
9.0	324.3	338.7	298.3	248.9
12.0	330.6	345.2	298.0	233.9
15.0	337.5	348.0	298.5	222.7
18.0	343.6	346.4	300.3	213.4
21.0	349.9	340.9	303.1	203.6
24.0	355.6	330.5	306.3	194.7
27.0	358.4	318.8	309.7	186.7
30.0	361.9	302.8	314.0	177.5
33.0	362.7	281.7	317.7	167.9
36.0	360.8	256.0	320.5	158.1
39.0	359.2	228.9	323.7	148.7
42.0	356.0	199.9	325.7	139.1
45.0	352.8	173.1	325.1	129.1
48.0	347.3	144.7	325.7	119.3
51.0	340.9	111.1	325.7	111.5
54.0	327.4	80.58	323.5	104.6
57.0	307.8	55.49	318.9	92.77
60.0	285.7	35.87	309.3	75.36
63.0	256.9	23.87	294.5	55.01
66.0	227.2	17.82	274.7	33.58
69.0	192.3	13.37	248.0	20.13
72.0	137.7	10.57	209.8	14.51
75.0	63.15	10.01	138.7	8.701
78.0	16.48	8.360	53.90	3.667
81.0	4.461	4.163	9.293	0.0088
84.0	1.097	0.5639	2.108	0
87.0	0	0	0	0
90.0	0	0	0	0
93.0	0	0	0	0
96.0	0	0	0	0
99.0	0	0	0	0
102.0	0	0	0	0
105.0	0	0	0	0
108.0	0	0	0	0
111.0	0	0	0.0001	0
114.0	0	0	0.0352	0
117.0	0.0035	0	0.0775	0
120.0	0.0306	0	0.1144	0
123.0	0.0616	0	0.1501	0
126.0	0.1027	0	0.1877	0
129.0	0.1581	0	0.2357	0
132.0	0.2220	0	0.2919	0.0360
135.0	0.2931	0	0.3525	0.0966
138.0	0.3656	0	0.4185	0.1513
141.0	0.4321	0.0127	0.4835	0.2067
144.0	0.4879	0.0864	0.5417	0.2585
147.0	0.5322	0.1609	0.5923	0.3117
150.0	0.5689	0.2330	0.6272	0.3646
153.0	0.5898	0.2998	0.6454	0.4100
156.0	0.6062	0.3627	0.6623	0.4566
159.0	0.6185	0.4222	0.6719	0.5042
162.0	0.6317	0.4760	0.6823	0.5511
165.0	0.6424	0.5243	0.6911	0.5933
168.0	0.6542	0.5667	0.6938	0.6240
171.0	0.6656	0.6032	0.6977	0.6479
174.0	0.6743	0.6288	0.6979	0.6640
177.0	0.6858	0.6514	0.6958	0.6681
180.0	0.6920	0.6674	0.6929	0.6665

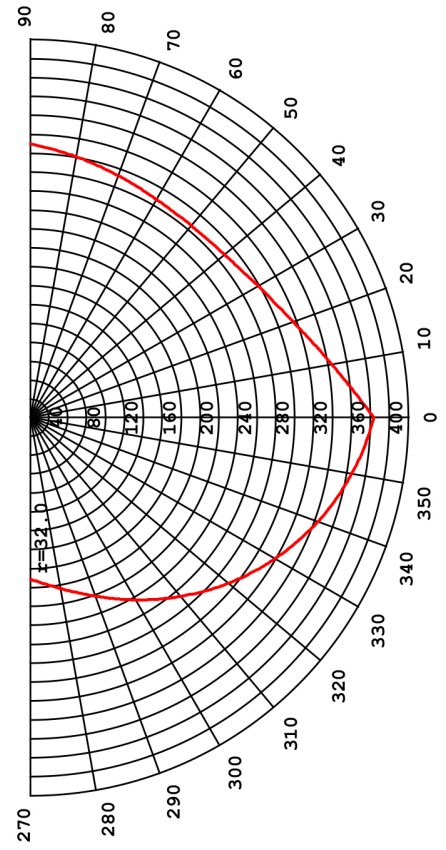
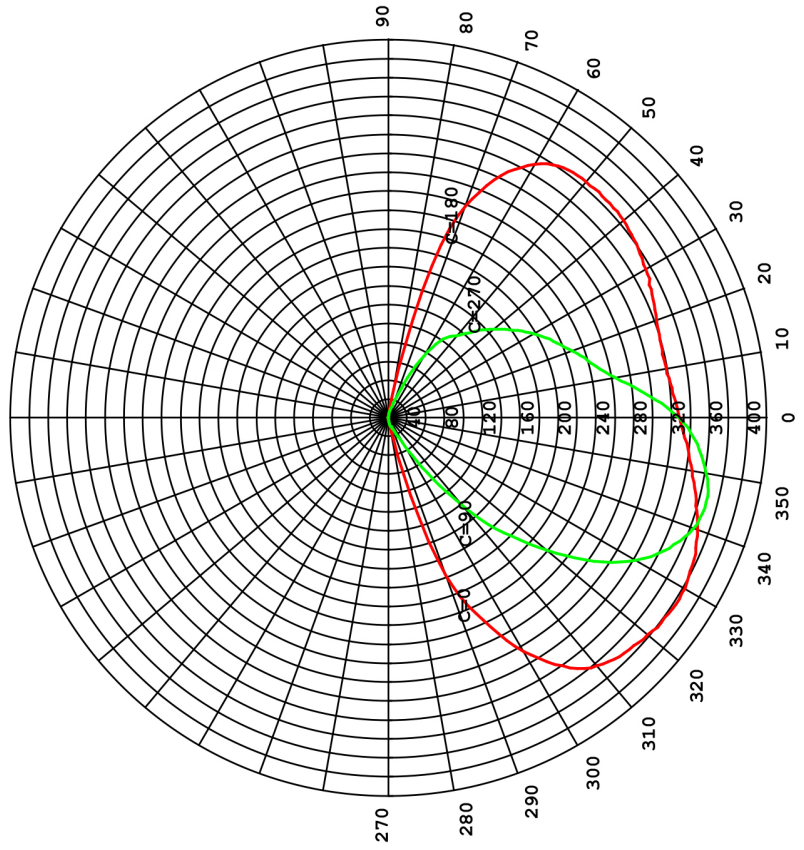
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: Mr. Salari
Test Date: 1403/11/14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 35%
Test Distance: 5.700m [K=1.0000]
Remarks: THD_V 0.30%
THD_I 6.55 %
S 197.6 VA
P 196.34 W
Q 22.3 var

FLUX DATA:

LOR: 100.0 %
 STREET DOWN: 645.0 lm/1000 lm
 STREET UP: 0.5613 lm/1000 lm
 HOUSE DOWN: 354.1 lm/1000 lm
 HOUSE UP: 0.3474 lm/1000 lm

I (cd/1000 lm)





$I_{\max}(100\%) = 363.0 \text{ cd}/1000 \text{ lm}$

