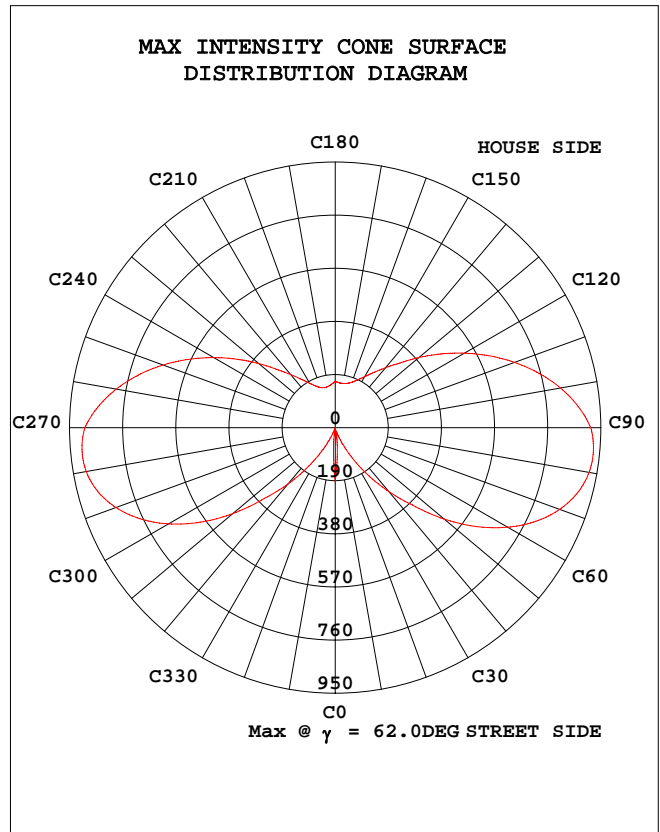
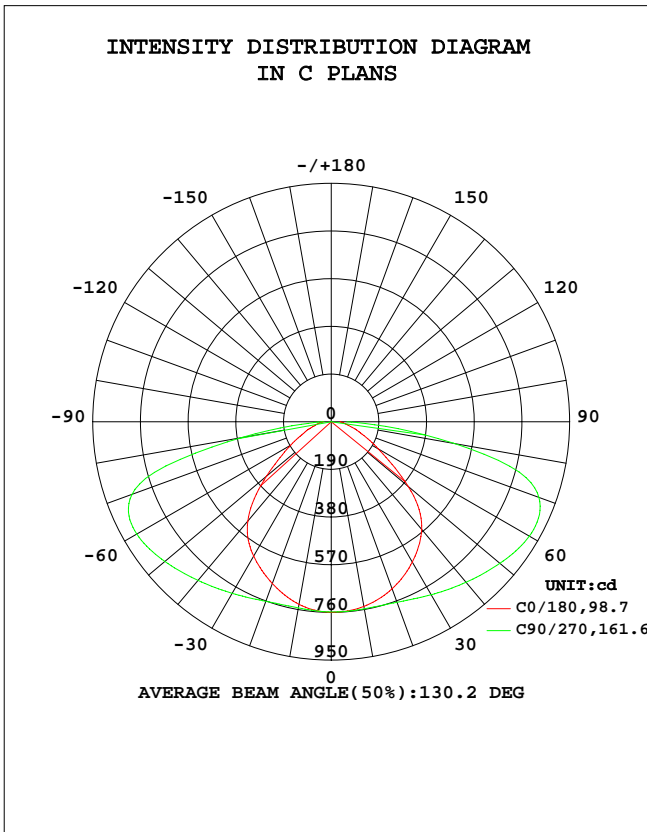


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:21.78V I:0.6870A P:14.97W PF:1.000 Freq:0Hz Lamp Flux:2764.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.307*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 184.72 lm/W			
MODEL		I _{max} (cd)	913.7	η street_up(%)	0.0
NOMINAL POWER(W)	15	LOR(%)	100.0	η street_down(%)	71.4
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2765	η house_up(%)	0.0
NOMINAL FLUX(lm)	2764.53	MAXIMUM @(C,γ)	90,62.0	η house_down(%)	28.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	21.784	η down(%)	100.0	SLI	16.459

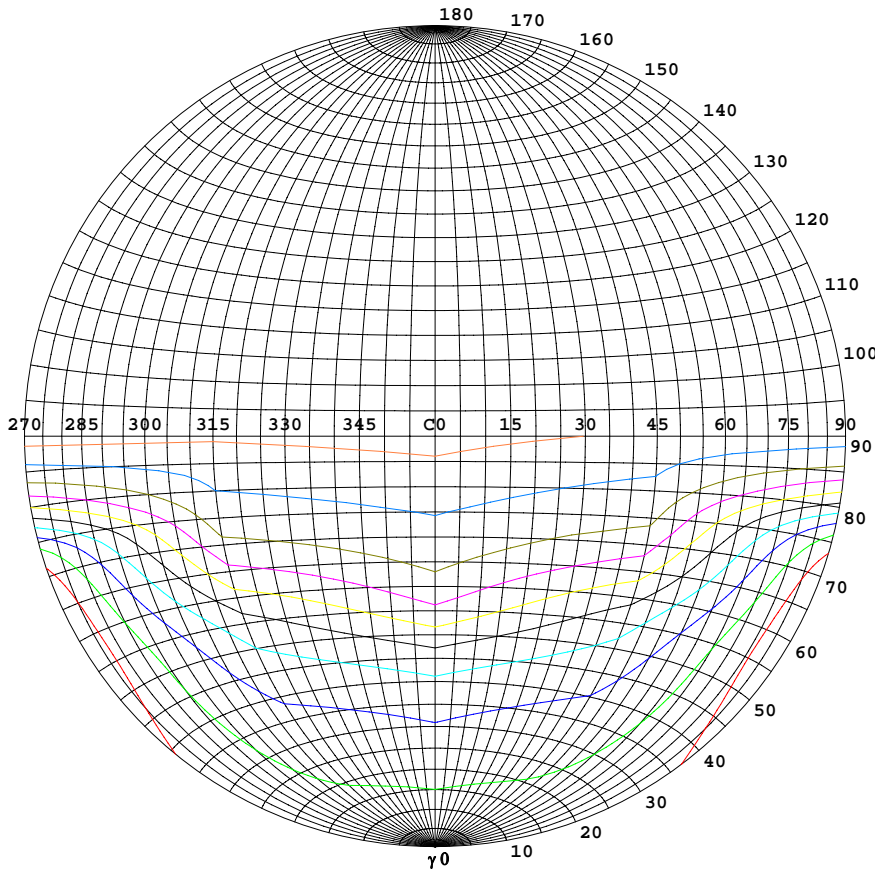


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:21.78V I:0.6870A P:14.97W PF:1.000 Freq:0Hz Lamp Flux:2764.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.307*0.045	Shielding Angle:



Classification:

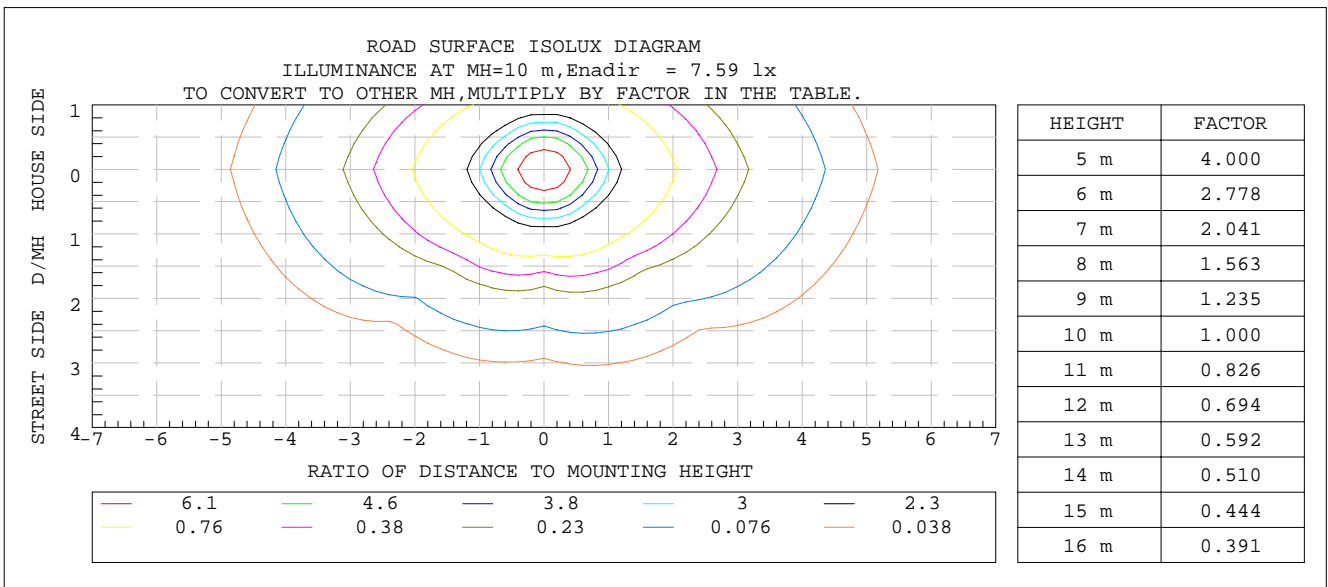
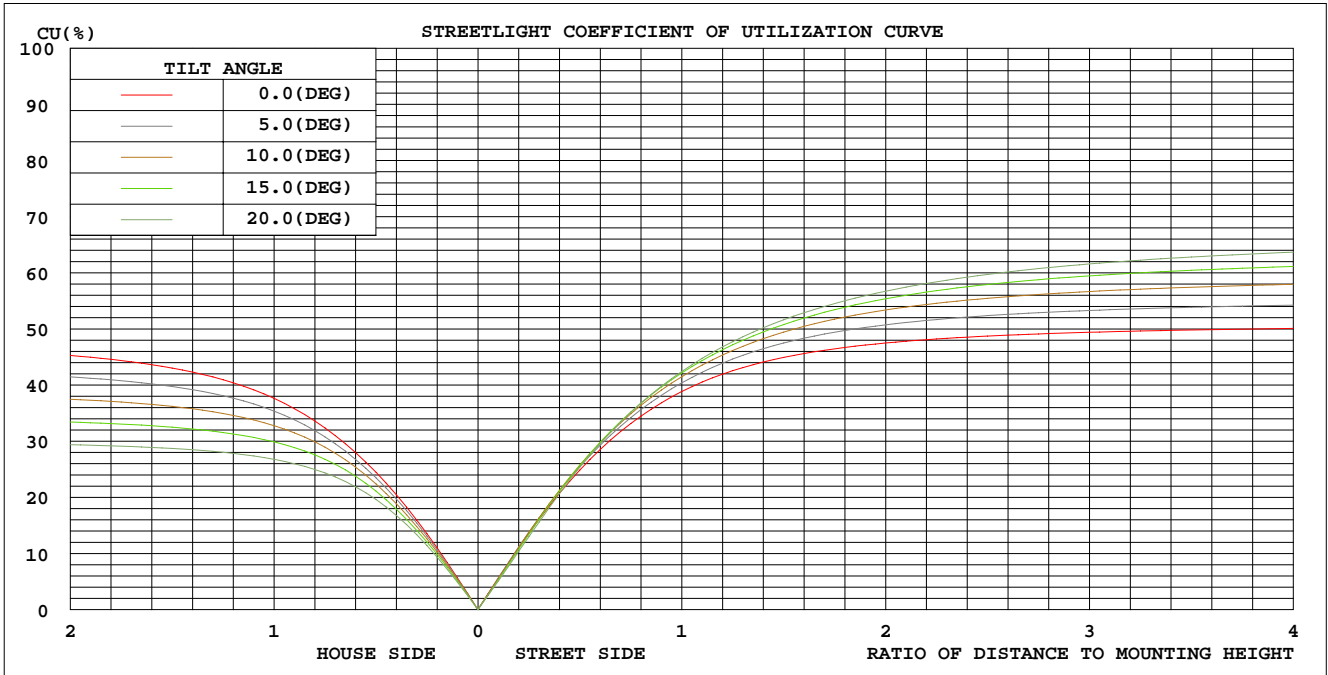
IES:Type II - Very Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:179.0cd/klm
 Max.At90:22.43cd/klm
 Max.80-90:179.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	914
90%	822
80%	731
70%	640
60%	548
50%	457
40%	365
30%	274
20%	183
10%	91
5%	46

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.353
Humidity: 65%
Test Distance: 7.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:21.78V I:0.6870A P:14.97W PF:1.000 Freq:0Hz Lamp Flux:2764.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.307*0.045	Shielding Angle:

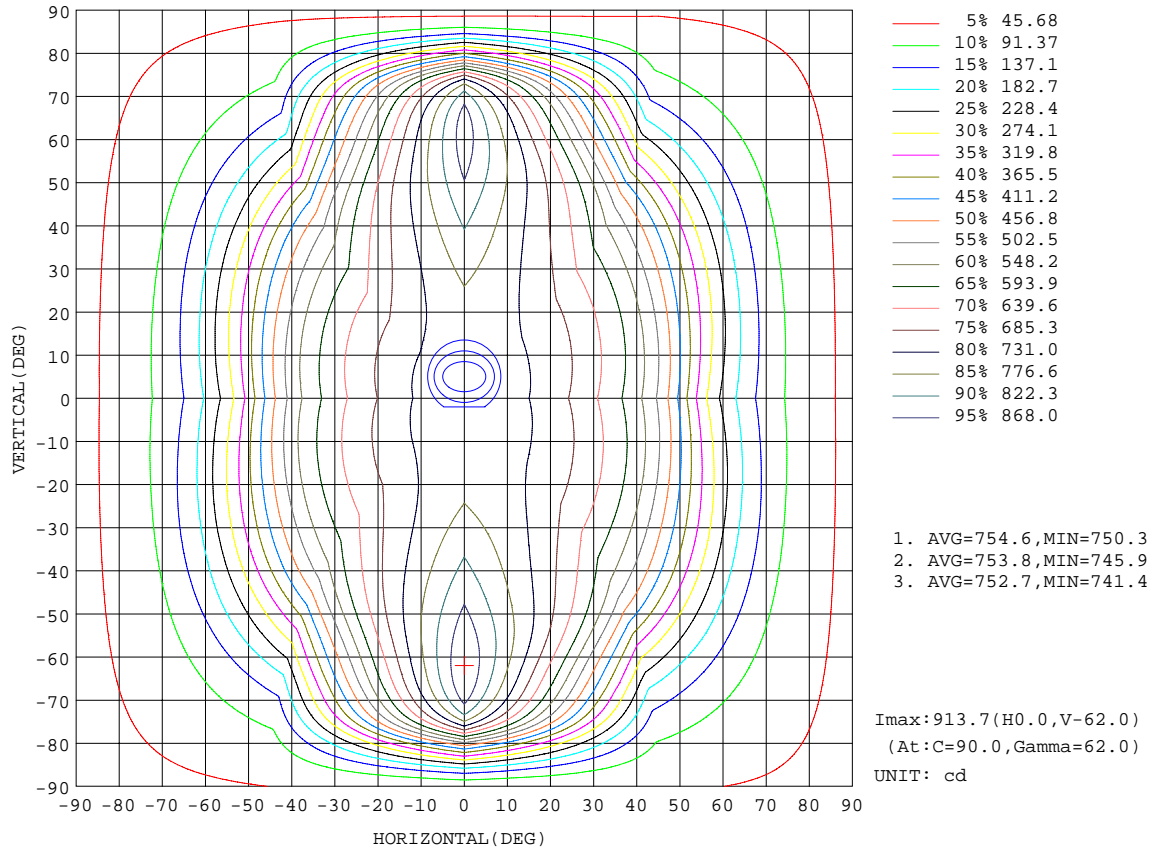
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	747.4	752.5	757.0	747.6	739.0	744.5	753.4	749.2	0- 10	71.92	71.92	2.6,2.6
20	708.4	733.0	765.6	718.6	686.1	709.6	761.5	728.7	10- 20	208.9	280.9	10.2,10.2
30	646.1	697.9	796.0	671.2	618.4	656.2	789.5	690.0	20- 30	329.1	609.9	22.1,22.1
40	561.0	641.5	835.1	612.6	517.7	591.1	825.6	629.3	30- 40	423.6	1034	37.4,37.4
50	400.2	567.4	877.7	523.7	335.8	496.8	865.8	549.3	40- 50	477.6	1511	54.7,54.7
60	217.0	431.7	911.6	363.3	186.3	329.6	894.9	398.5	50- 60	469.2	1980	71.6,71.6
70	118.3	239.6	880.1	197.4	105.8	167.1	844.7	205.9	60- 70	402.0	2382	86.2,86.2
80	62.46	112.4	494.7	95.33	58.21	79.90	363.8	91.48	70- 80	280.3	2663	96.3,96.3
90	35.60	50.94	62.00	45.91	32.20	39.46	28.99	42.07	80- 90	101.9	2765	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

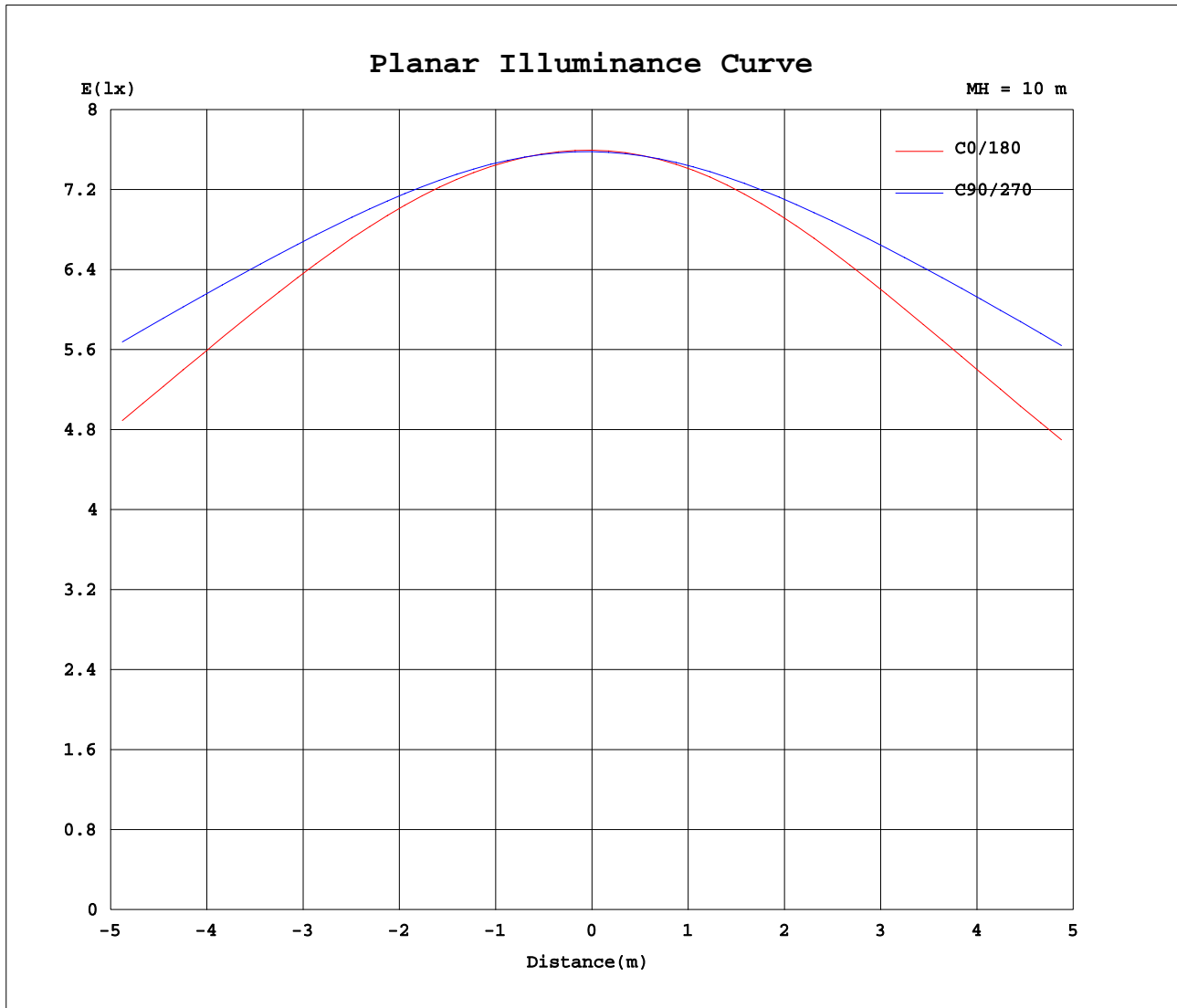
Test:U:21.78V I:0.6870A P:14.97W PF:1.000 Freq:0Hz Lamp Flux:2764.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.307*0.045	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Planar Illuminance Curve



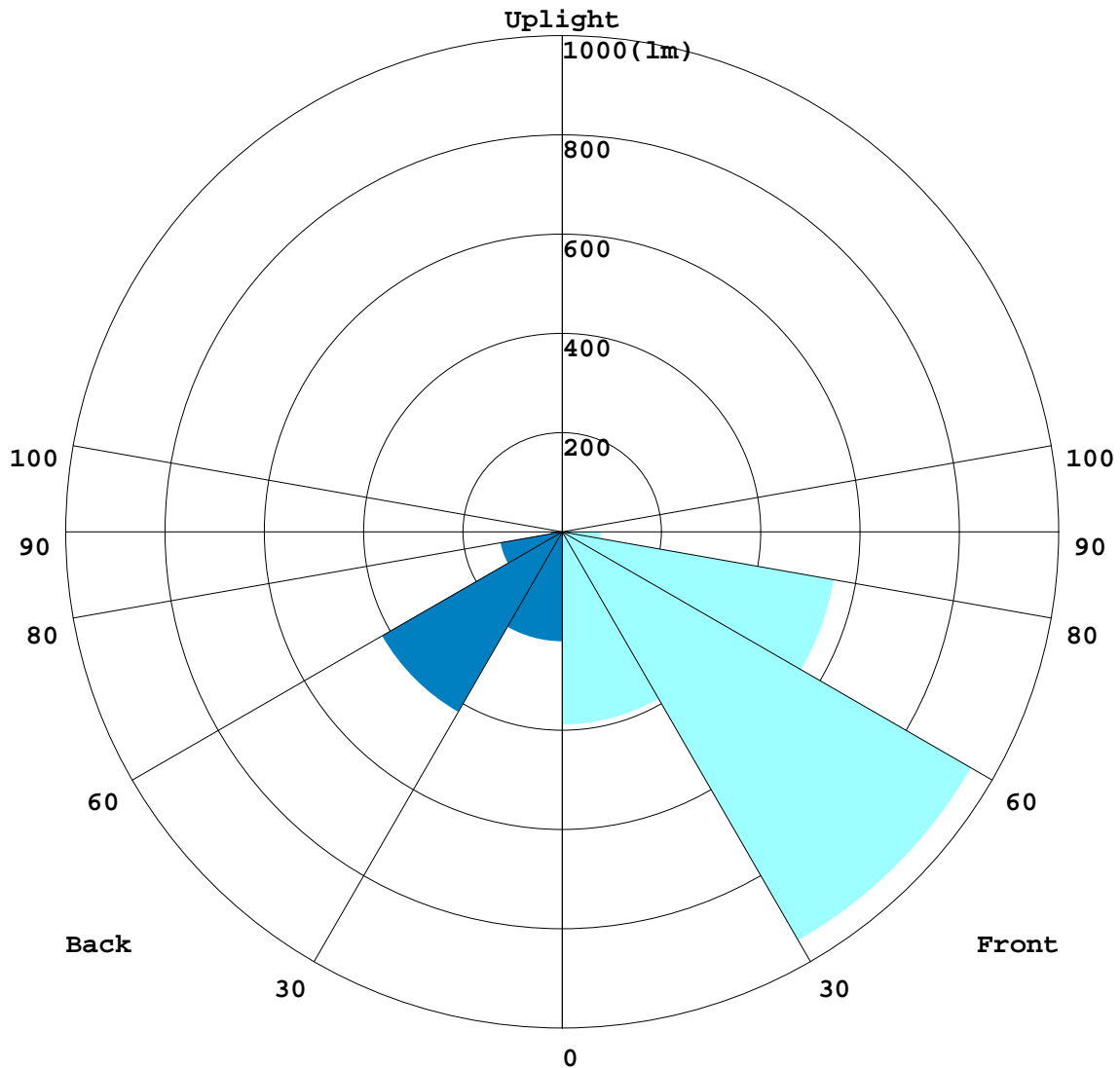
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity: 65%
 Test Distance: 7.200m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:21.78V I:0.6870A P:14.97W PF:1.000 Freq:0Hz Lamp Flux:2764.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.307*0.045	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:21.78V I:0.6870A P:14.97W PF:1.000 Freq:0Hz Lamp Flux:2764.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.307*0.045	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	388.75	14.1
FM - Front-Medium(30-60)	951.28	34.4
FH - Front-High(60-80)	556.07	20.1
FVH - Front-Very High(80-90)	78.694	2.8
Total Forward Light	1974.8	71.4

BL - Back-Low(0-30)	221.18	8.0
BM - Back-Medium(30-60)	419.19	15.2
BH - Back-High(60-80)	126.19	4.6
BVH - Back-Very High(80-90)	23.167	0.8
Total Back Light	789.73	28.6

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

BUG(Back,Up,Glare) Rating	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	789.73	0	789.73
Street Side	1974.8	0	1974.8

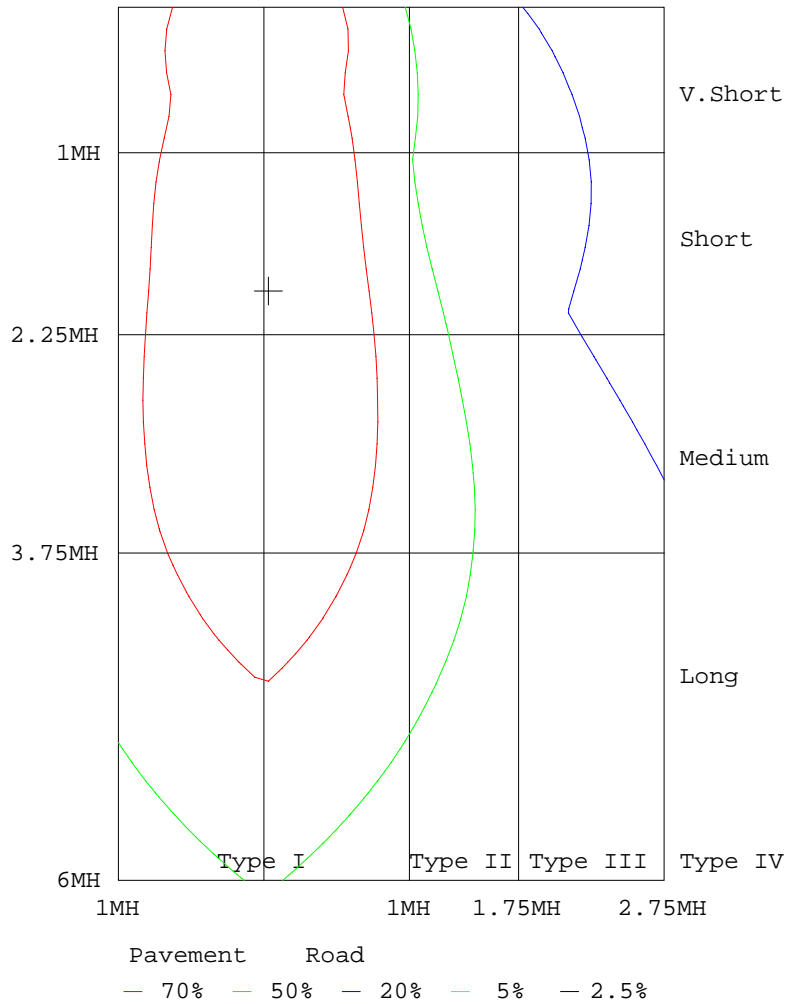
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:21.78V I:0.6870A P:14.97W PF:1.000 Freq:0Hz Lamp Flux:2764.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.307*0.045	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:21.78V I:0.6870A P:14.97W PF:1.000 Freq:0Hz Lamp Flux:2764.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.307*0.045	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315												
0	759	759	758	758	759	759	758	758												
5	757	758	758	755	754	754	756	755												
10	747	753	757	748	739	744	753	749												
15	731	744	759	736	715	730	755	741												
20	708	733	766	719	686	710	762	729												
25	680	718	779	697	654	685	774	712												
30	646	698	796	671	618	656	789	690												
35	607	672	815	644	576	625	807	662												
40	561	642	835	613	518	591	826	629												
45	495	607	856	575	435	550	846	592												
50	400	567	878	524	336	497	866	549												
55	296	514	898	453	249	422	884	489												
60	217	432	912	363	186	330	895	398												
65	161	330	911	276	137	243	889	297												
70	118	240	880	197	106	167	845	206												
75	86.8	164	775	136	76.0	115	682	136												
80	62.5	112	495	95.3	58.2	79.9	364	91.5												
85	48.3	75.8	219	66.1	44.6	56.6	120	62.1												
90	35.6	50.9	62.0	45.9	32.2	39.5	29.0	42.1												

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2019-03-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks: