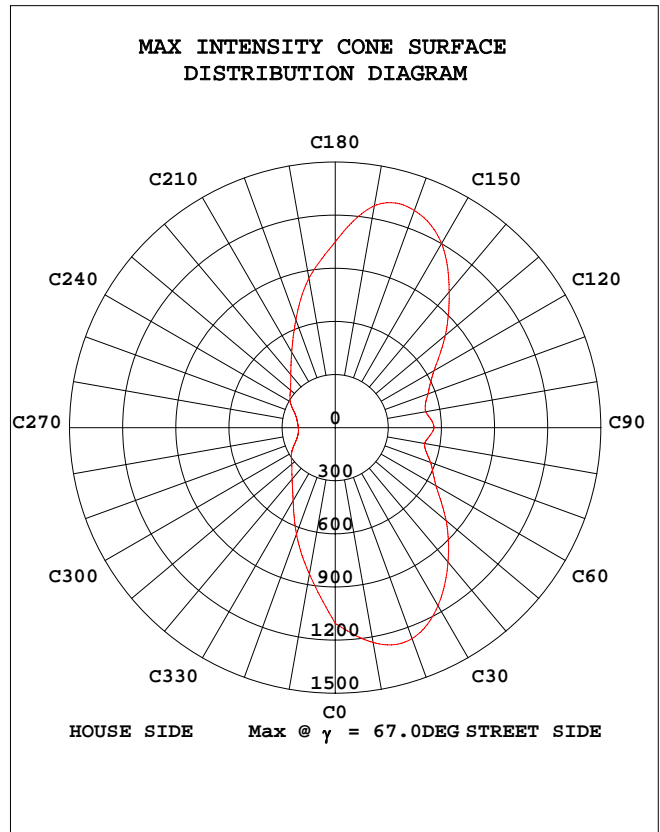
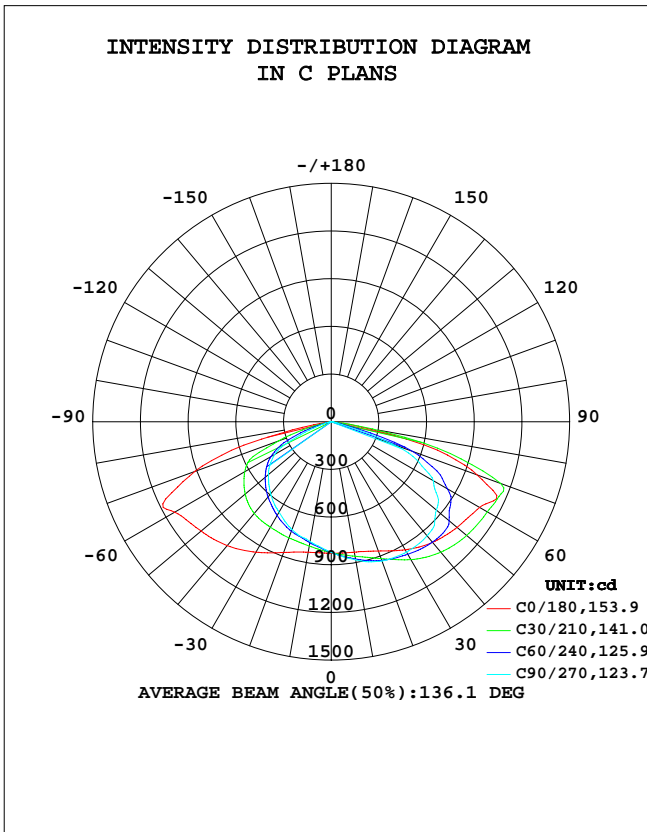


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:32.56V I:0.6200A P:20.19W PF:1.000 Freq:50.01Hz Lamp Flux:3702.63x1 lm		
NAME: 20W LED Street Light	TYPE:LED	WEIGHT:
SPEC.:20W LED Street Light	DIM.:	SERIAL No.:1
MFR.: HeiSolar Technology Limited	SUR.:50*50	Shielding Angle:

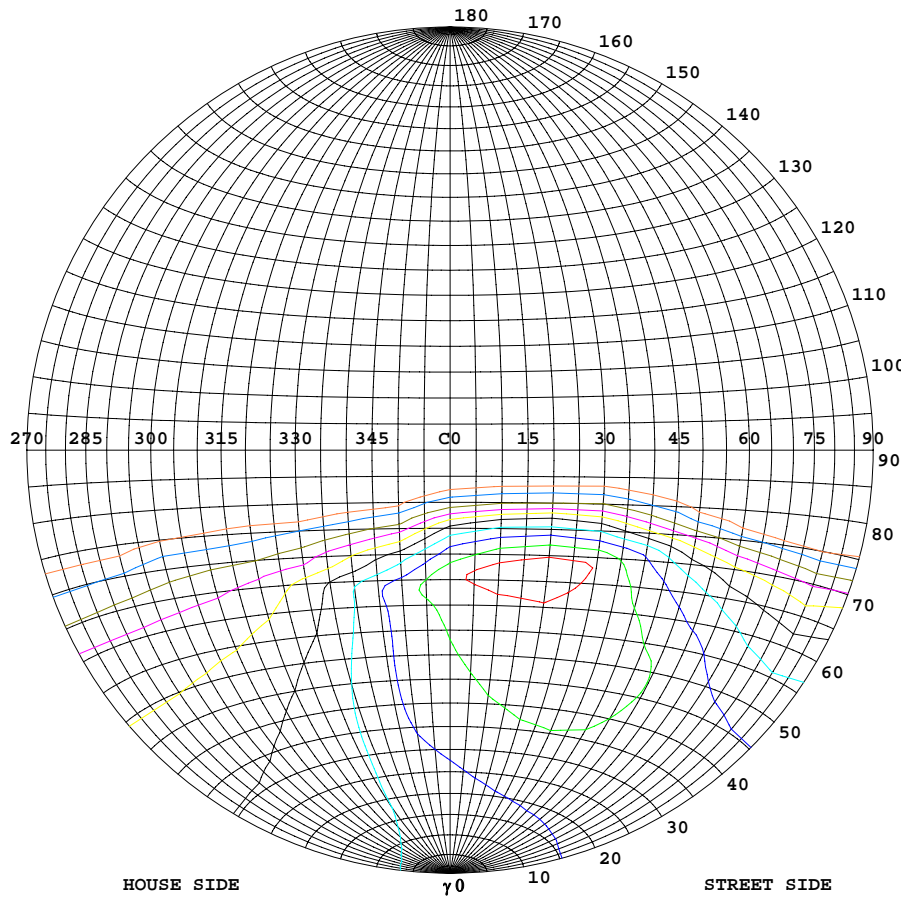
DATA OF LAMP		PHOTOMETRIC DATA Eff: 183.39 lm/W			
MODEL	FC-20	I _{max} (cd)	1305	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	60.9
RATED VOLTAGE(V)	32	TOTAL FLUX(lm)	3703	η house_up(%)	0.0
NOMINAL FLUX(lm)	3702.63	MAXIMUM @(C,γ)	160,67.0	η house_down(%)	39.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	32	η down(%)	100.0	SLI	19.234



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-06-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.783m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

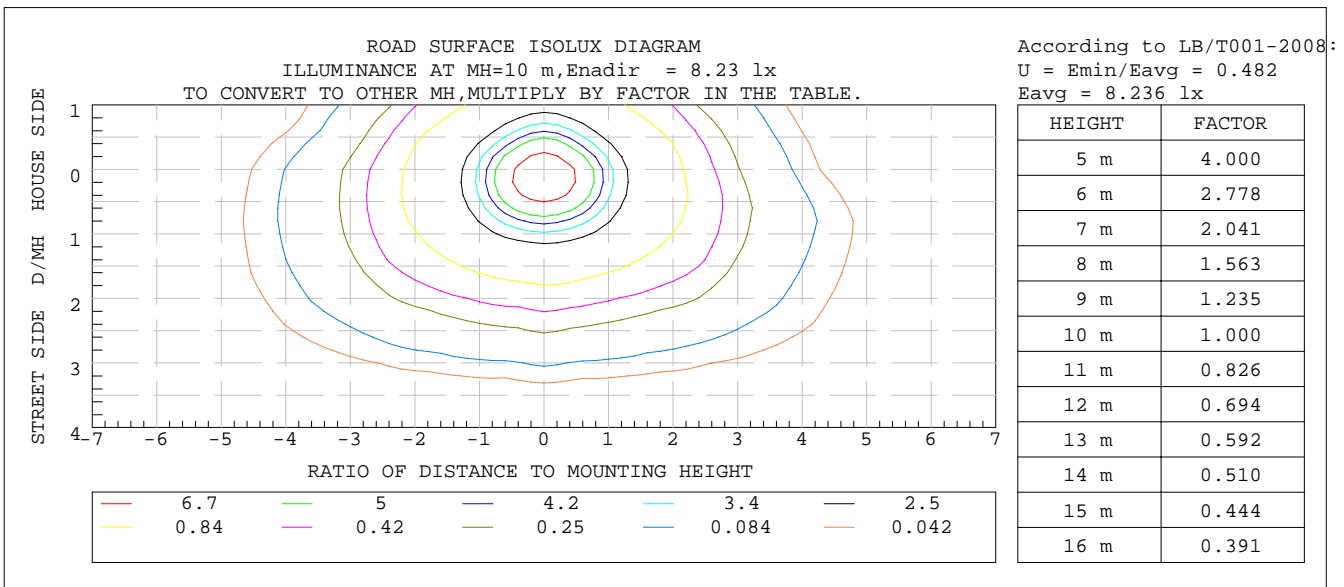
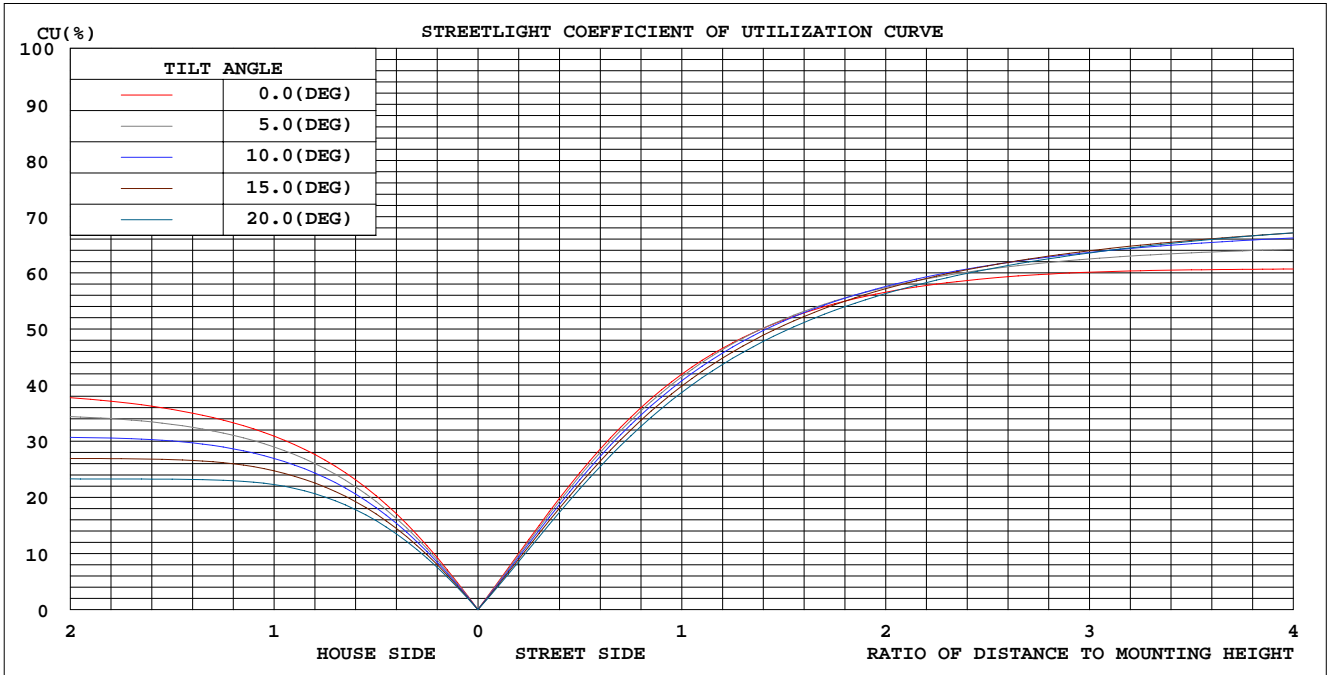
IES:Type III - Short
 CIE:Average - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:85.91cd/klm
 Max.At90:1.443cd/klm
 Max.80-90:85.91cd/klm
 NRB 5101:Semi limited[21.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1305
90%	1175
80%	1044
70%	914
60%	783
50%	653
40%	522
30%	392
20%	261
10%	131
5%	65

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-06-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.783m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: FKY
Test Date: 2024-06-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 10.783m [K=1.0000]
Remarks:

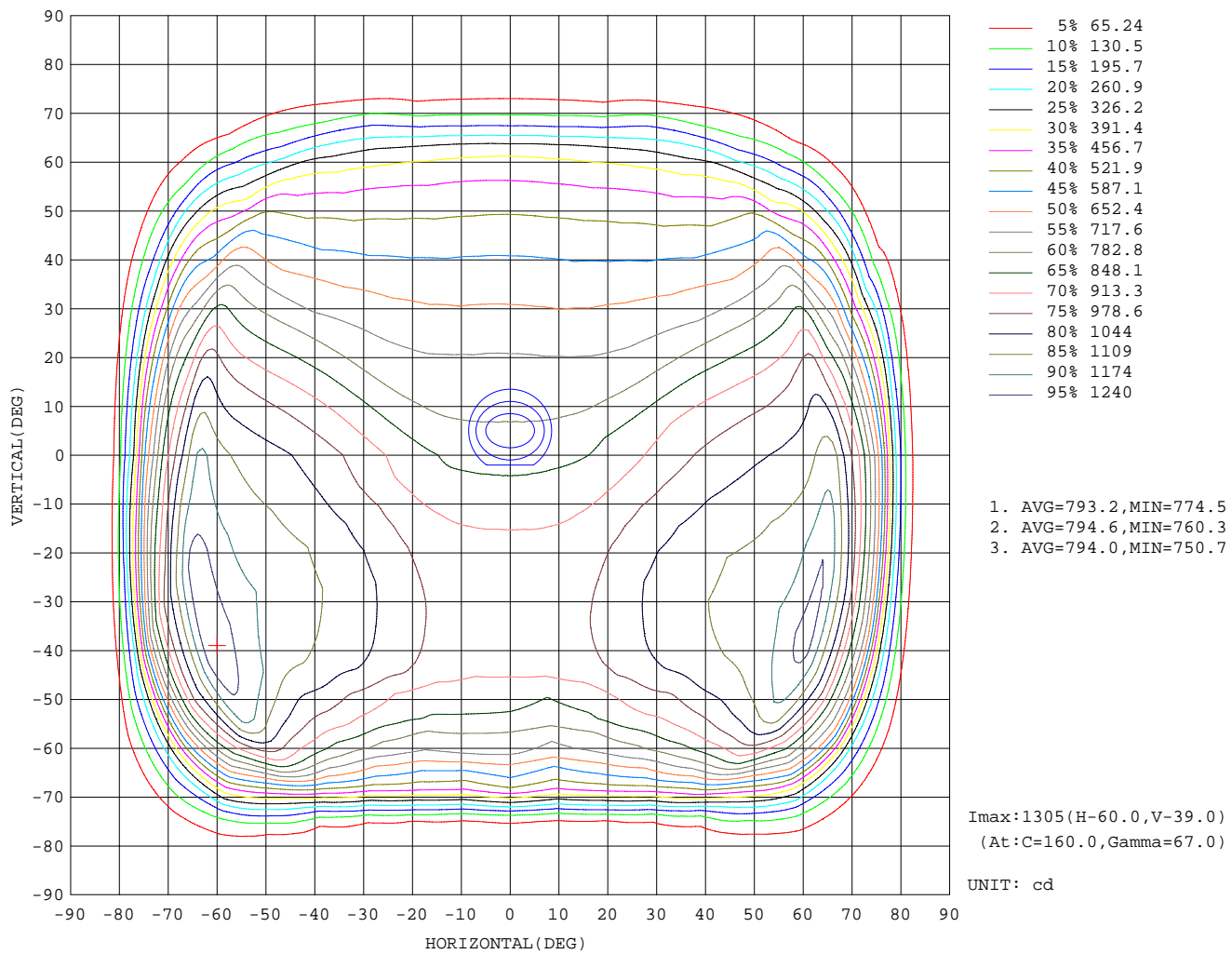
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	833.4	869.0	882.6	867.1	833.9	781.8	766.3	783.1	0- 10	78.79	78.79	2.13,2.13
20	865.8	925.8	932.2	924.1	875.7	745.5	722.2	746.1	10- 20	236.5	315.3	8.52,8.52
30	930.0	988.4	947.0	986.0	947.6	715.6	657.1	711.3	20- 30	393.8	709.1	19.2,19.2
40	991.2	1044	937.9	1042	1018	671.4	593.2	662.5	30- 40	543.0	1252	33.8,33.8
50	1034	1064	864.4	1067	1070	600.7	516.3	588.6	40- 50	665.3	1917	51.8,51.8
60	1078	998.2	740.8	999.1	1138	496.3	410.0	482.0	50- 60	732.9	2650	71.6,71.6
70	974.0	816.2	406.3	829.9	912.4	253.9	120.8	241.4	60- 70	702.4	3353	90.5,90.5
80	194.9	91.73	23.92	102.6	111.4	17.15	8.707	13.13	70- 80	329.2	3682	99.4,99.4
90	2.039	0.8562	0.6397	0.9262	4.478	3.991	1.606	3.928	80- 90	20.72	3703	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: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-06-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.783m [K=1.0000]
 Remarks:

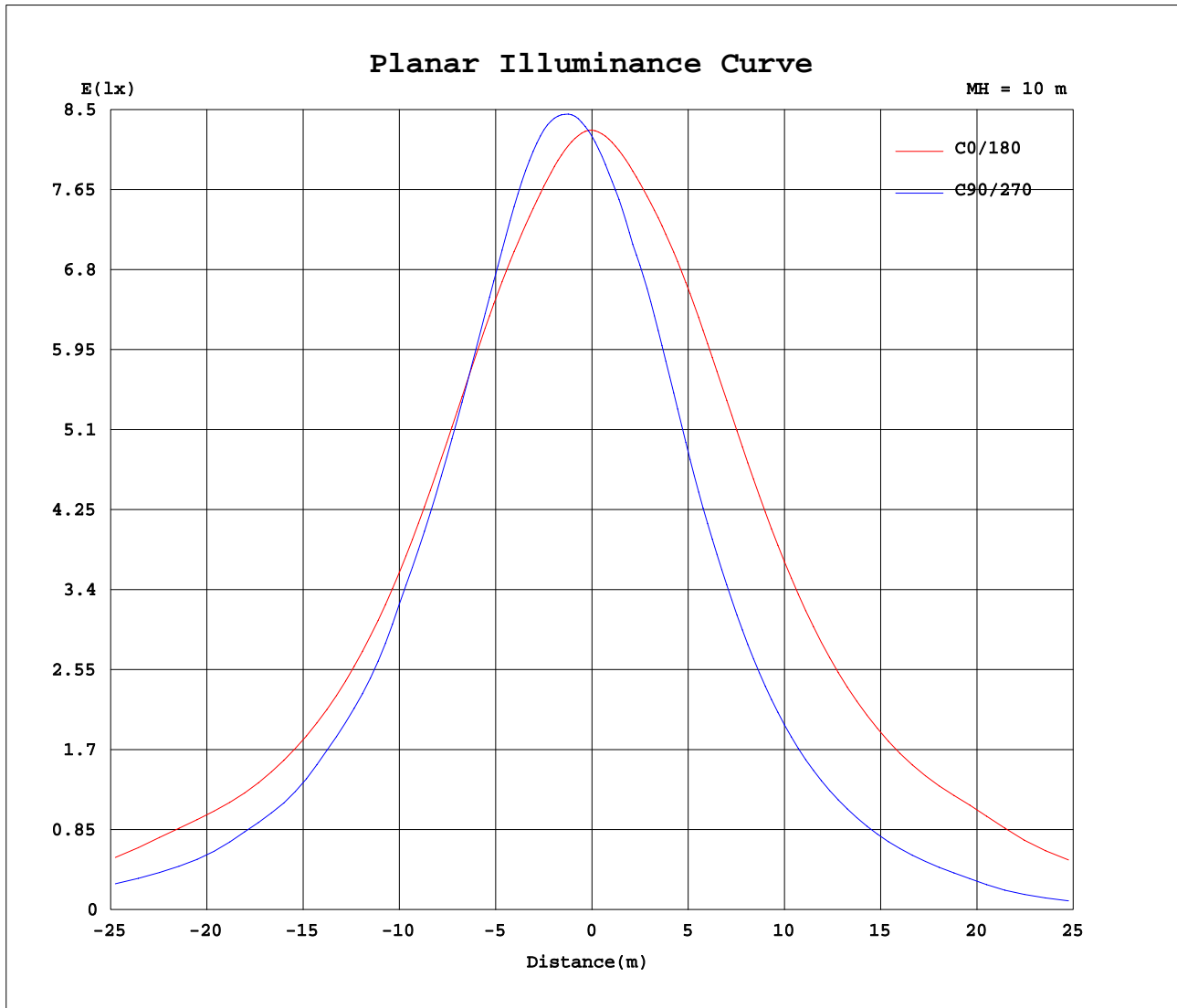
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-06-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.783m [K=1.0000]
 Remarks:

Planar Illuminance Curve



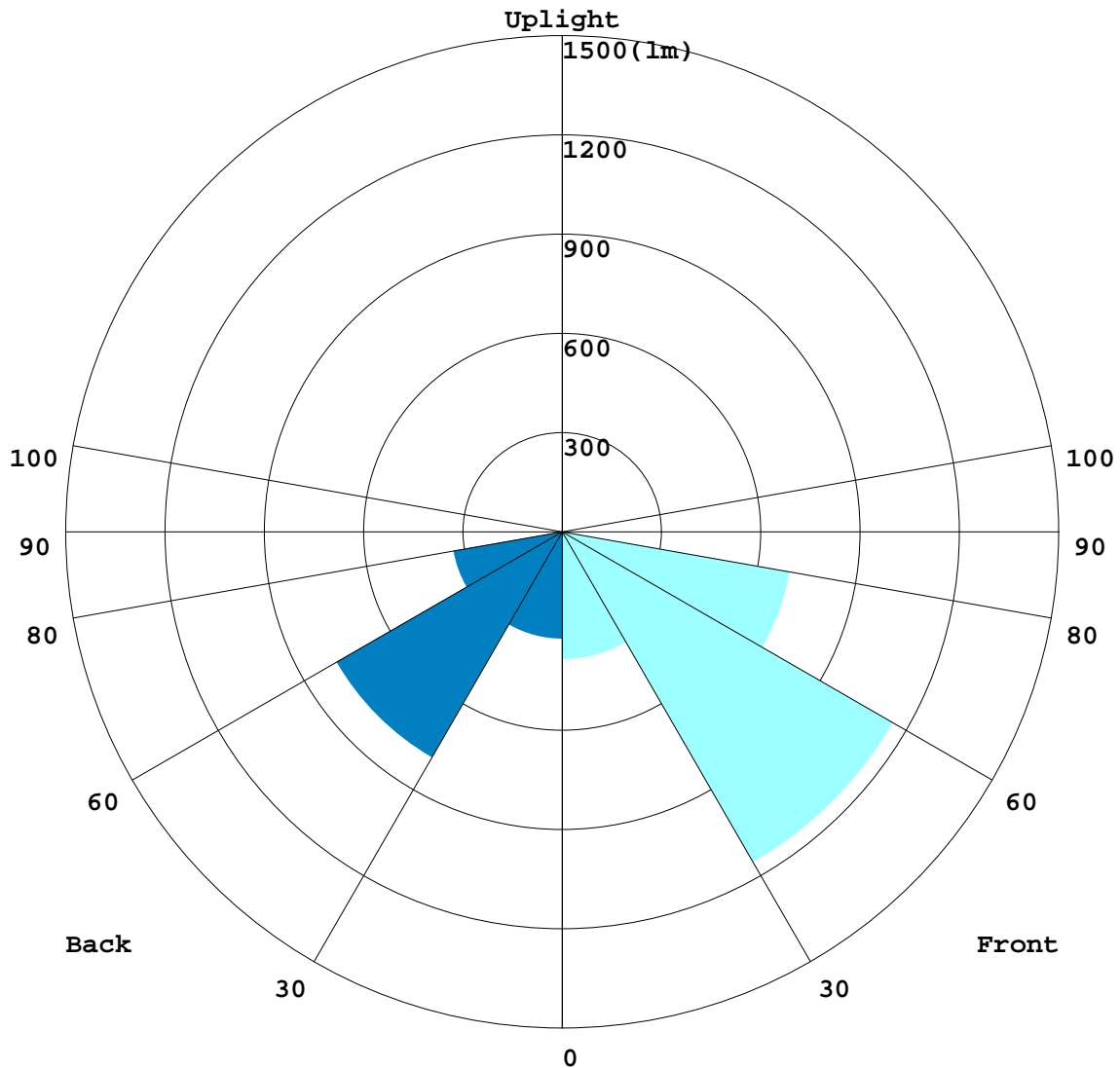
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: FKY
 Test Date: 2024-06-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 10.783m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:32.56V I:0.6200A P:20.19W PF:1.000 Freq:50.01Hz Lamp Flux:3702.63x1 lm		
NAME: 20W LED Street Light	TYPE:LED	WEIGHT:
SPEC.:20W LED Street Light	DIM.:	SERIAL No.:1
MFR.: HeiSolar Technology Limited	SUR.:50*50	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-06-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.783m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:32.56V I:0.6200A P:20.19W PF:1.000 Freq:50.01Hz Lamp Flux:3702.63x1 lm		
NAME: 20W LED Street Light	TYPE:LED	WEIGHT:
SPEC.:20W LED Street Light	DIM.:	SERIAL No.:1
MFR.: HeiSolar Technology Limited	SUR.:50*50	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	385.64	10.4
FM - Front-Medium(30-60)	1153.7	31.2
FH - Front-High(60-80)	698.37	18.9
FVH - Front-Very High(80-90)	17.351	0.5
Total Forward Light	2255.1	60.9

BL - Back-Low(0-30)	323.47	8.7
BM - Back-Medium(30-60)	787.45	21.3
BH - Back-High(60-80)	333.22	9.0
BVH - Back-Very High(80-90)	3.3683	0.1
Total Back Light	1447.5	39.1

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	1447.5	0	1447.5
Street Side	2255.1	0	2255.1

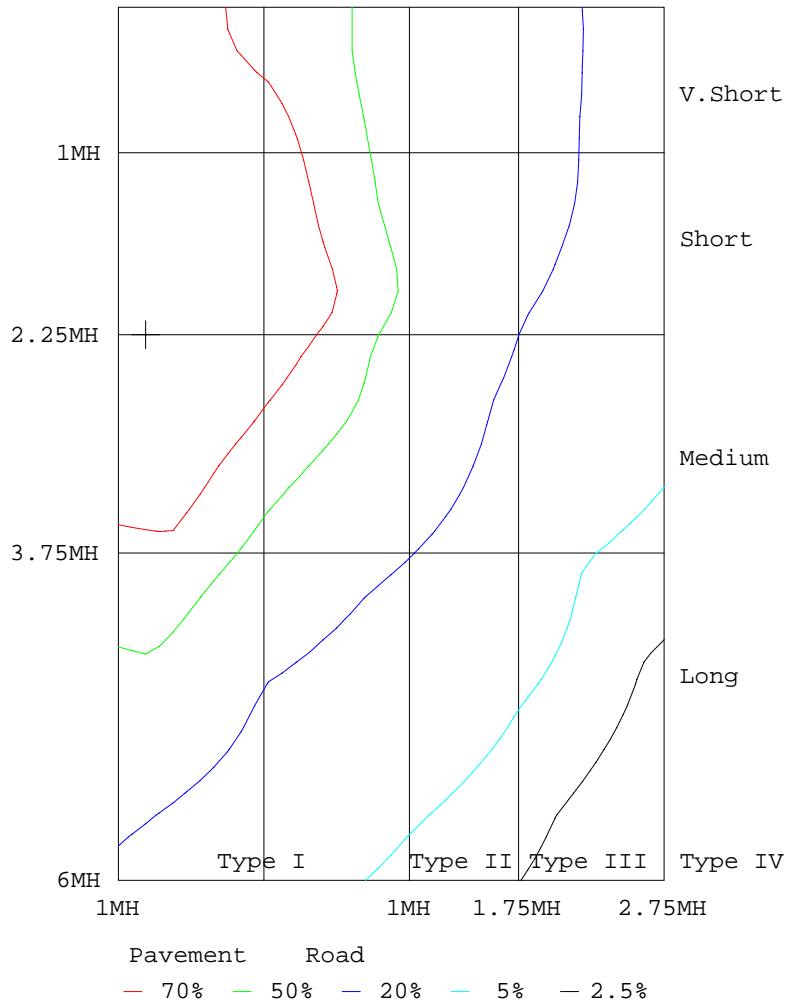
C Range: 0 - 360DEG
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γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.783m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:32.56V I:0.6200A P:20.19W PF:1.000 Freq:50.01Hz Lamp Flux:3702.63x1 lm		
NAME: 20W LED Street Light	TYPE:LED	WEIGHT:
SPEC.:20W LED Street Light	DIM.:	SERIAL No.:1
MFR.: HeiSolar Technology Limited	SUR.:50*50	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-06-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.783m [K=1.0000]
 Remarks:

