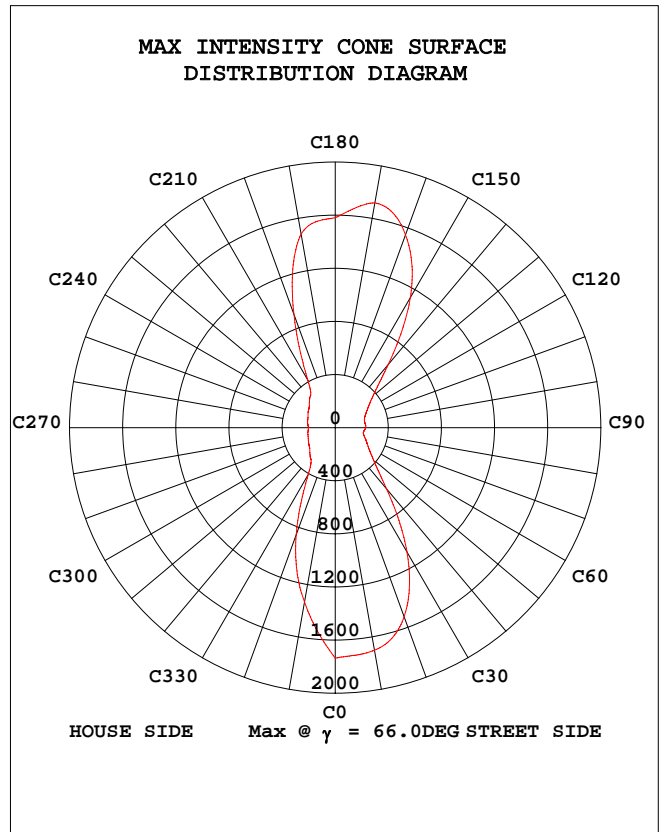
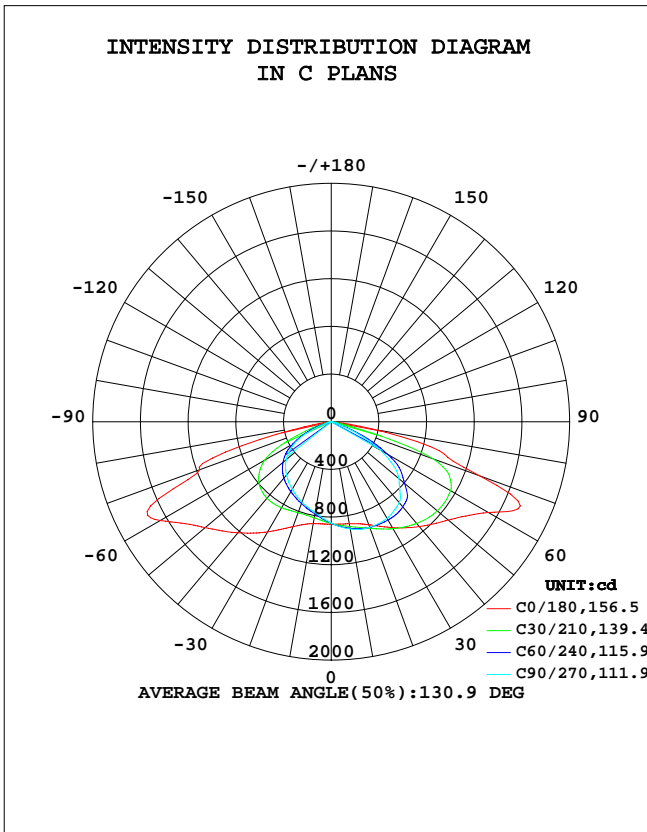


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:21.98V I:0.9200A P:20.22W PF:1.000 Freq:49.99Hz Lamp Flux:3675.02x1 lm		
NAME: 20W Street Light	TYPE:LED	WEIGHT:
SPEC.:20W Street Light	DIM.:	SERIAL No.:1
MFR.: HeiSolar Technology Limited	SUR.:50*50	Shielding Angle:

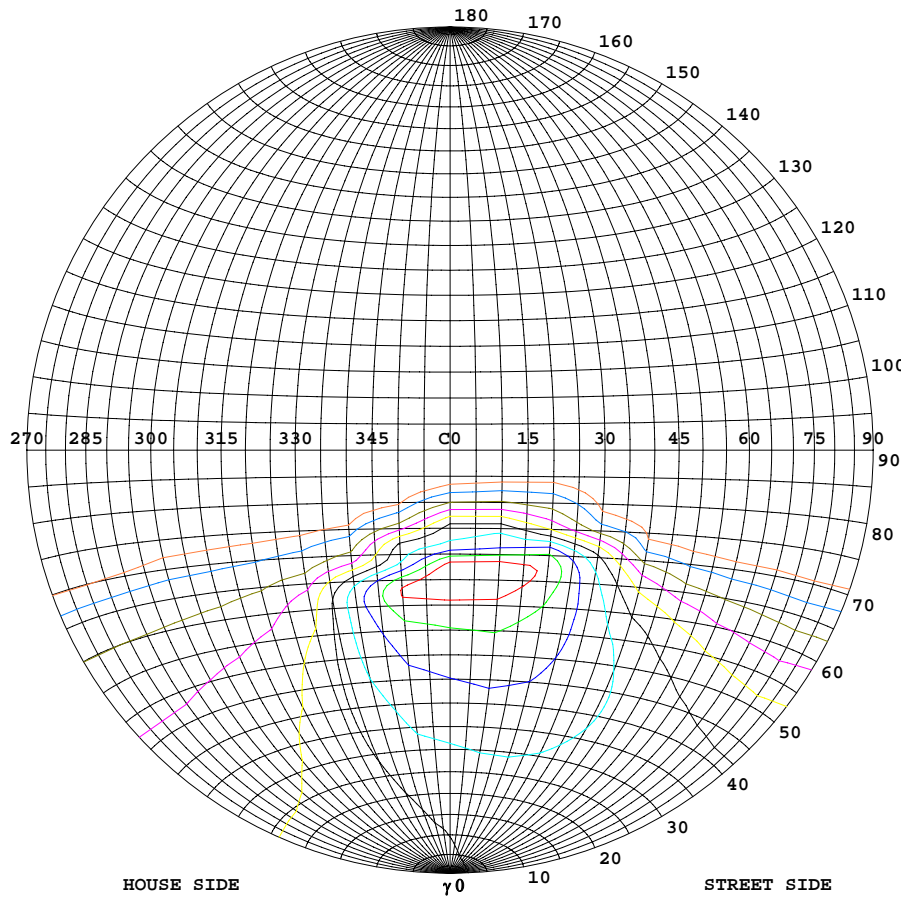
DATA OF LAMP		PHOTOMETRIC DATA Eff: 181.75 lm/W			
MODEL	FC-30	I _{max} (cd)	1736	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	57.5
RATED VOLTAGE(V)	21	TOTAL FLUX(lm)	3675	η house_up(%)	0.0
NOMINAL FLUX(lm)	3675.02	MAXIMUM @(C,γ)	0,66.0	η house_down(%)	42.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	21	η down(%)	100.0	SLI	20.058



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-01-08

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:

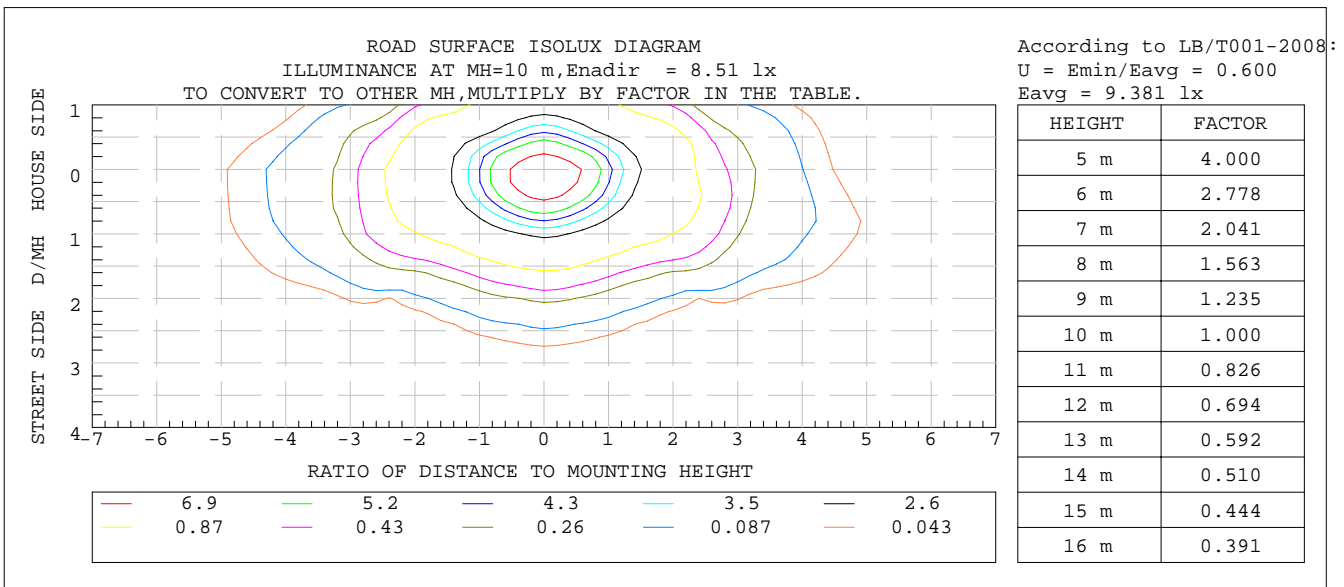
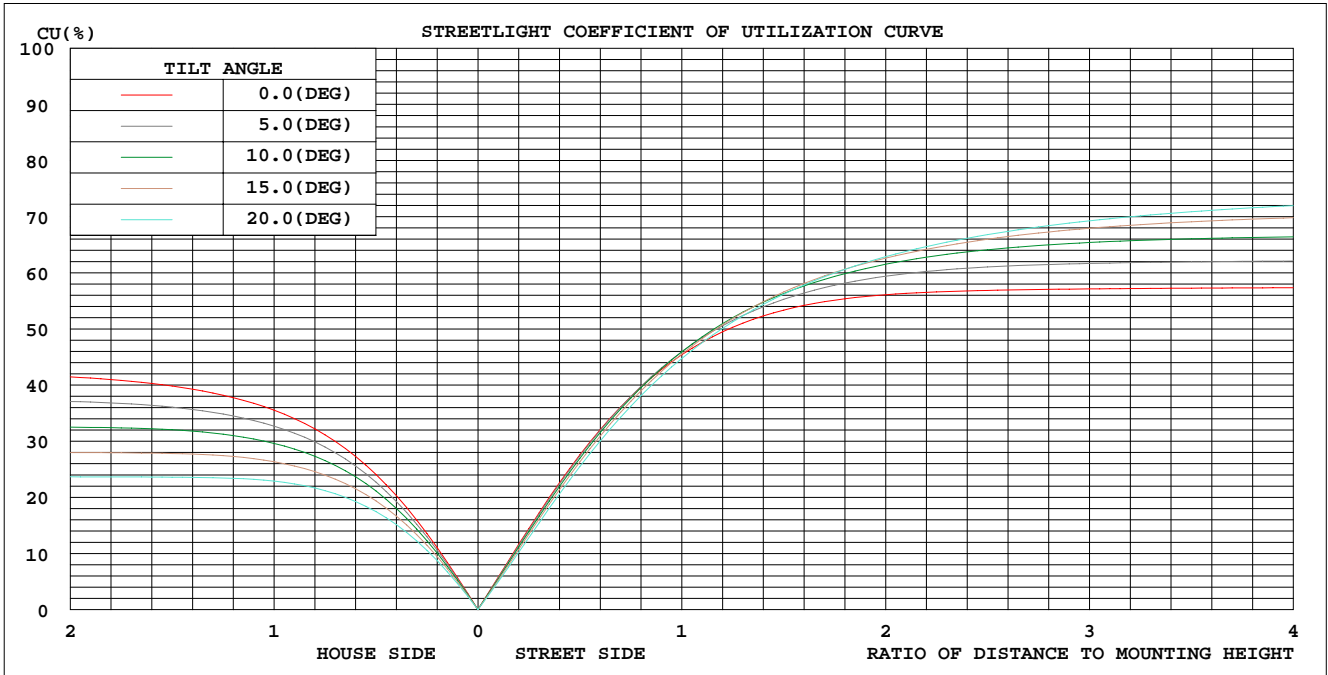
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:116.7cd/klm
 Max.At90:1.623cd/klm
 Max.80-90:116.7cd/klm
 NRB 5101:Semi limited[23.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1736
90%	1562
80%	1389
70%	1215
60%	1042
50%	868
40%	694
30%	521
20%	347
10%	174
5%	87

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-01-08

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: 2024-01-08

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:

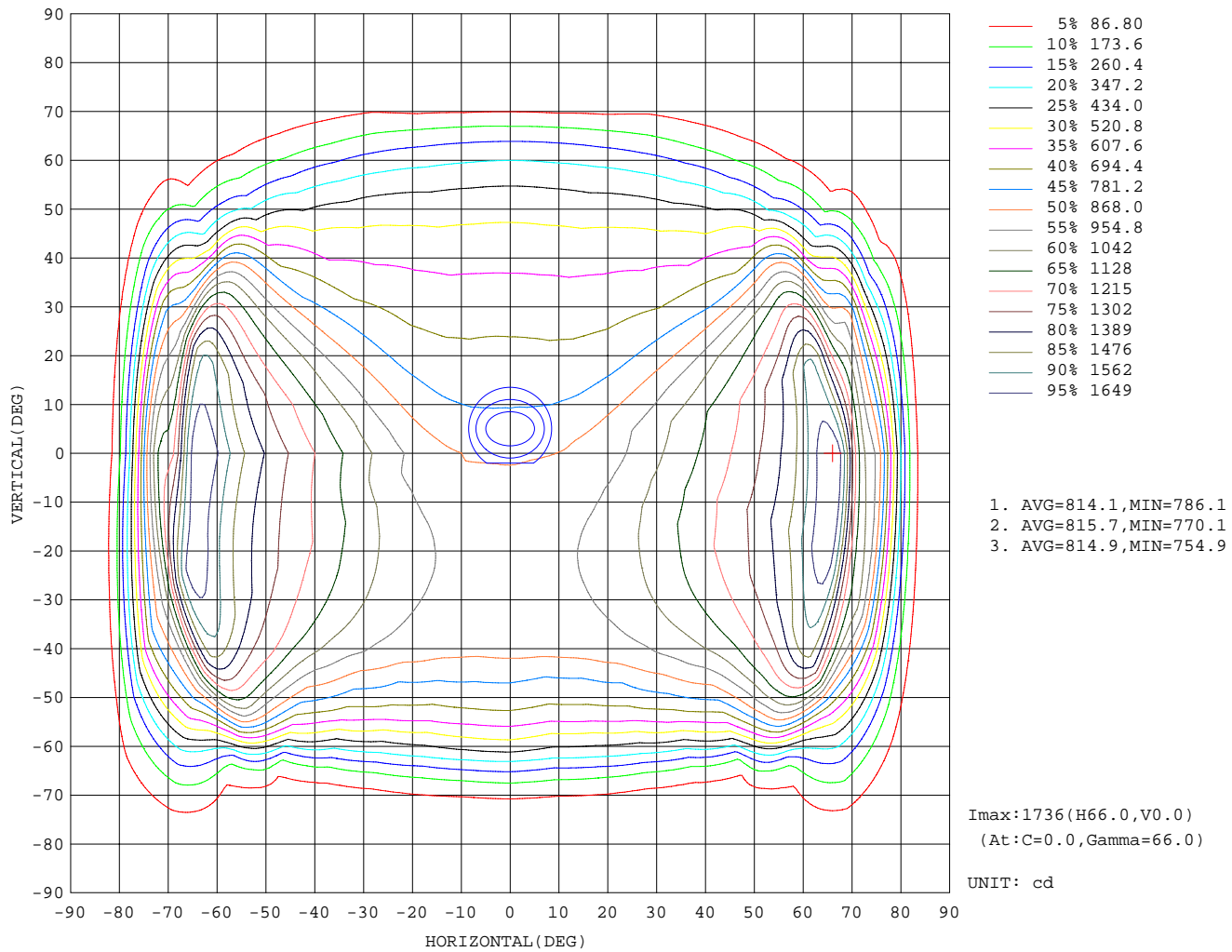
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	869.2	901.9	913.6	899.6	868.2	798.7	776.3	803.6	0- 10	81.44	81.44	2.22,2.22
20	919.8	947.7	942.7	942.8	935.8	761.4	718.5	761.5	10- 20	243.4	324.9	8.84,8.84
30	1026	990.6	935.7	984.3	1067	729.8	653.8	725.3	20- 30	405.9	730.7	19.9,19.9
40	1148	1019	887.4	1014	1216	688.0	583.2	675.8	30- 40	563.6	1294	35.2,35.2
50	1283	980.7	741.4	979.8	1382	600.2	491.5	588.1	40- 50	692.1	1986	54.1,54.1
60	1522	765.7	477.6	763.8	1657	437.3	346.1	434.4	50- 60	755.3	2742	74.6,74.6
70	1320	225.0	102.8	231.4	1173	161.0	84.71	152.6	60- 70	661.0	3403	92.6,92.6
80	346.2	34.68	20.89	35.39	159.3	17.28	10.43	15.18	70- 80	248.7	3651	99.4,99.4
90	2.459	1.013	0.8129	1.443	5.777	2.276	0.7463	2.106	80- 90	23.56	3675	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:2024-01-08

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:

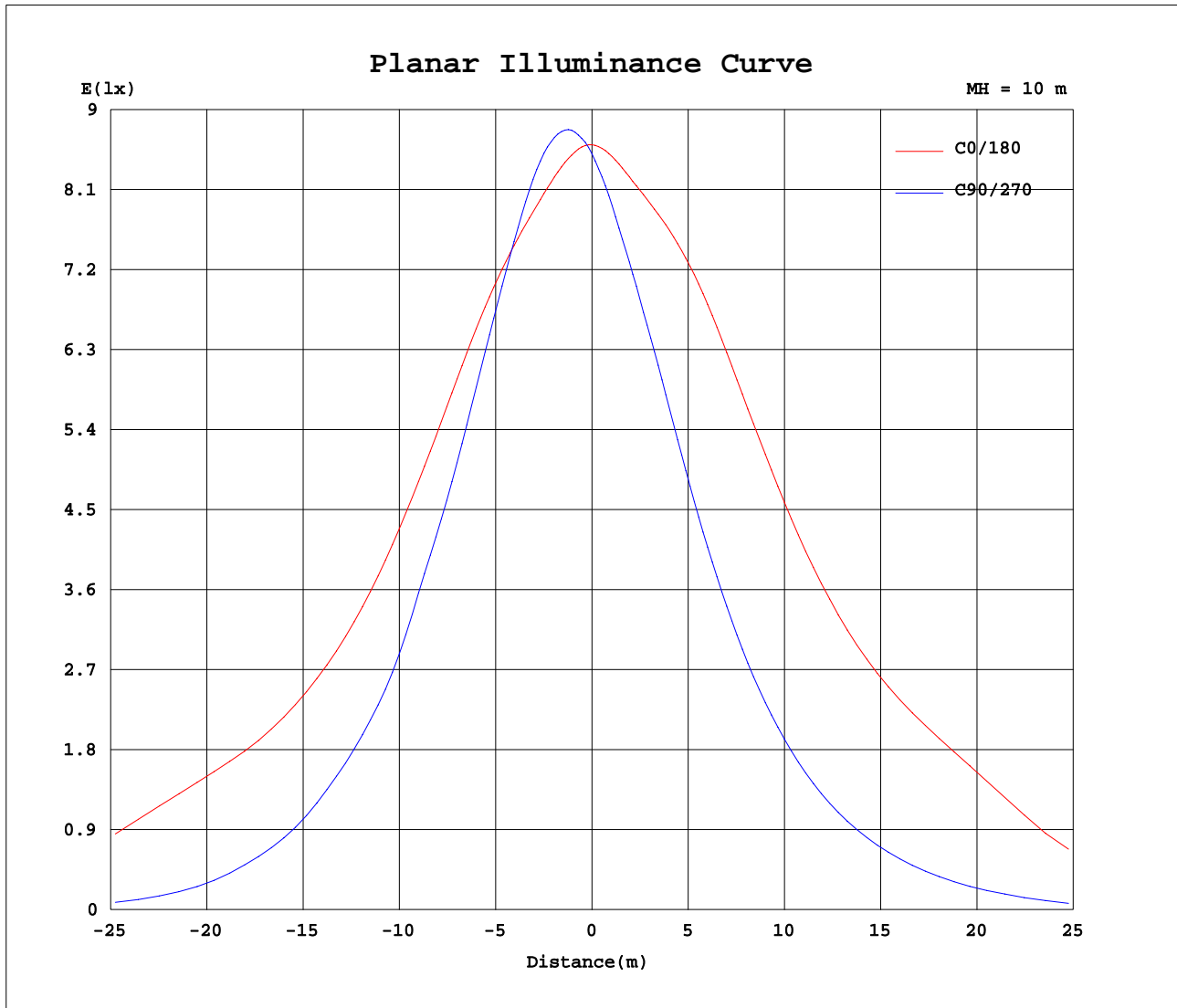
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-01-08

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



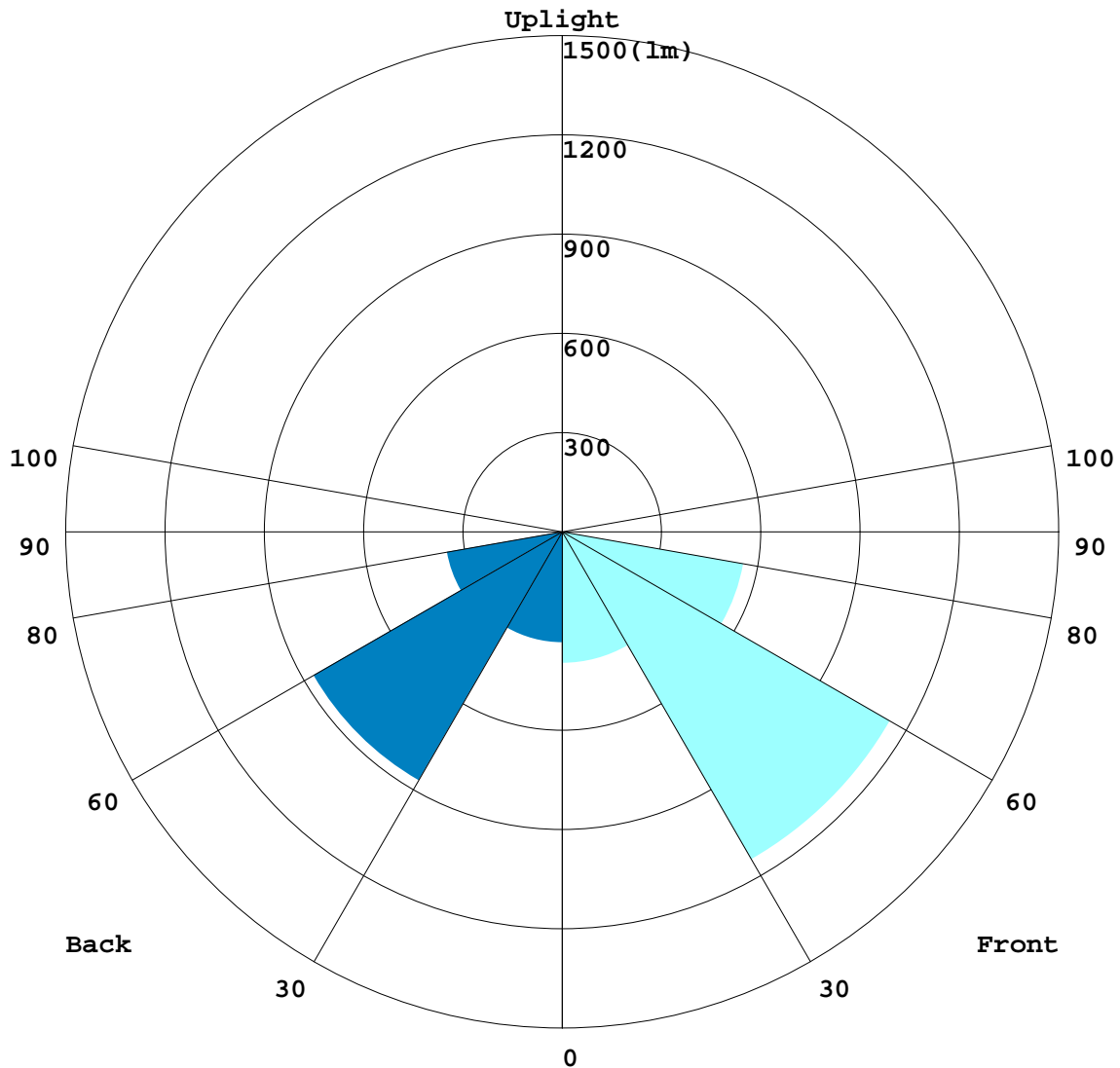
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: FKY
 Test Date: 2024-01-08

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:21.98V I:0.9200A P:20.22W PF:1.000 Freq:49.99Hz Lamp Flux:3675.02x1 lm		
NAME: 20W Street Light	TYPE:LED	WEIGHT:
SPEC.:20W 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:2024-01-08

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:21.98V I:0.9200A P:20.22W PF:1.000 Freq:49.99Hz Lamp Flux:3675.02x1 lm		
NAME: 20W Street Light	TYPE:LED	WEIGHT:
SPEC.:20W 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)	396.53	10.8
FM - Front-Medium(30-60)	1143.6	31.1
FH - Front-High(60-80)	555.83	15.1
FVH - Front-Very High(80-90)	18.966	0.5
Total Forward Light	2115	57.5

BL - Back-Low(0-30)	334.18	9.1
BM - Back-Medium(30-60)	867.45	23.6
BH - Back-High(60-80)	353.84	9.6
BVH - Back-Very High(80-90)	4.5911	0.1
Total Back Light	1560.1	42.5

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	1560.1	0	1560.1
Street Side	2115	0	2115

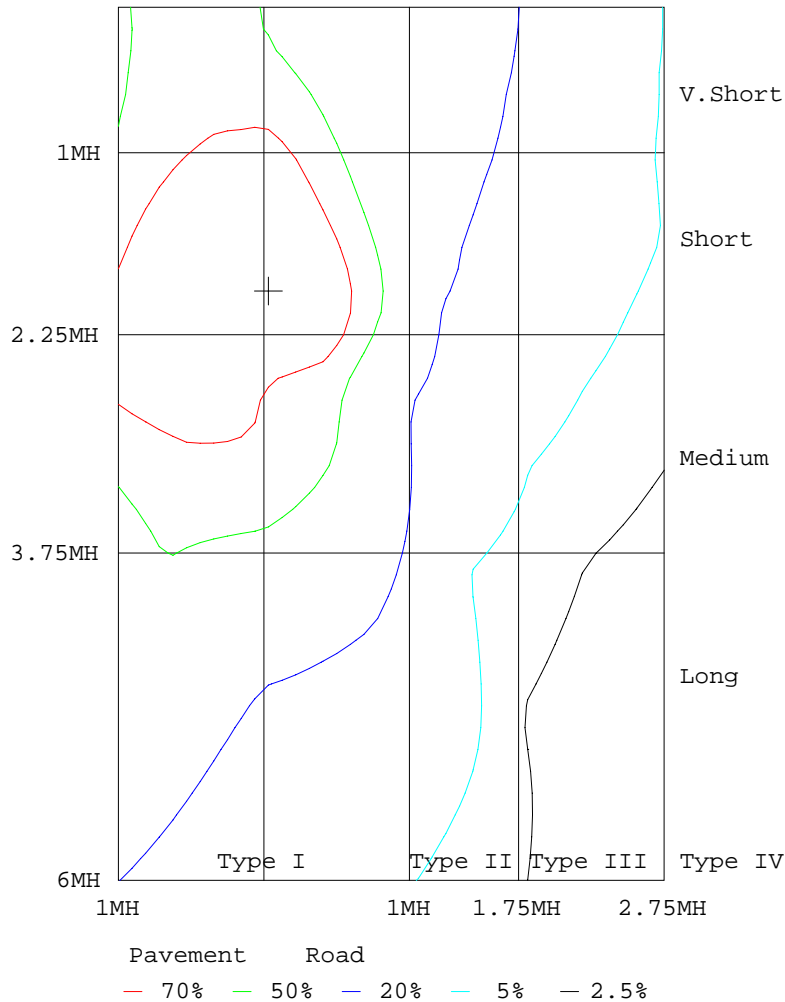
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FKY
 Test Date:2024-01-08

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:21.98V I:0.9200A P:20.22W PF:1.000 Freq:49.99Hz Lamp Flux:3675.02x1 lm		
NAME: 20W Street Light	TYPE:LED	WEIGHT:
SPEC.:20W 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:2024-01-08

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	860	858	856	854	854	852	852	850	851	850	851	851	852	852	854	855	856	857	860
5	862	866	870	873	877	879	882	883	885	885	885	883	881	878	875	870	866	861	860
10	869	878	886	893	900	904	908	911	914	914	913	911	908	903	897	888	880	870	868
15	886	899	911	918	923	926	929	931	934	935	934	932	928	923	919	912	903	889	893
20	920	937	949	952	950	946	943	942	943	943	942	941	941	942	944	943	940	927	936
25	968	989	999	992	979	962	949	944	943	943	941	941	946	956	971	984	992	983	996
30	1026	1049	1053	1036	1006	975	952	940	937	936	934	935	946	969	1000	1029	1052	1050	1067
35	1086	1110	1109	1077	1032	985	950	927	916	915	914	921	942	979	1027	1074	1114	1123	1140
40	1148	1173	1163	1114	1051	987	933	901	887	887	886	897	927	981	1047	1116	1174	1194	1216
45	1213	1238	1214	1144	1055	970	903	841	806	815	818	845	901	966	1055	1152	1230	1264	1295
50	1283	1309	1265	1162	1037	925	804	744	723	741	742	750	800	917	1043	1183	1283	1332	1382
55	1378	1398	1319	1167	980	816	709	656	618	636	637	655	704	796	991	1207	1343	1411	1492
60	1522	1521	1385	1156	851	681	546	482	451	478	475	480	533	664	863	1213	1425	1530	1657
65	1728	1694	1496	1097	655	431	338	283	251	269	267	278	330	424	673	1152	1535	1695	1673
70	1320	1368	1414	906	296	154	114	106	96.6	103	99.4	106	116	159	304	951	1373	1498	1173
75	940	969	689	280	75.0	61.1	53.6	48.4	43.9	45.8	43.8	47.8	52.7	60.5	75.9	258	708	887	774
80	346	366	270	65.6	38.1	31.2	26.4	22.6	20.2	20.9	19.6	22.0	25.9	31.5	39.3	64.2	288	429	159
85	38.8	51.7	56.5	19.2	12.2	10.5	8.46	7.03	5.41	5.58	5.07	6.66	8.37	11.0	13.3	19.9	59.2	73.8	9.43
90	2.46	2.19	1.66	1.17	1.02	1.01	1.09	1.02	0.89	0.81	0.91	1.08	1.32	1.39	1.50	1.61	1.89	2.14	5.78

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 10.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Temperature:25.3DEG	Humidity:65.0%
Operators:FKY	Test Distance:10.783m [K=1.0000]
Test Date:2024-01-08	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

Table with columns for C (DEG) and gamma (DEG) ranging from 0 to 90, and 19 columns of intensity data values.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:FKY
Test Date:2024-01-08

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