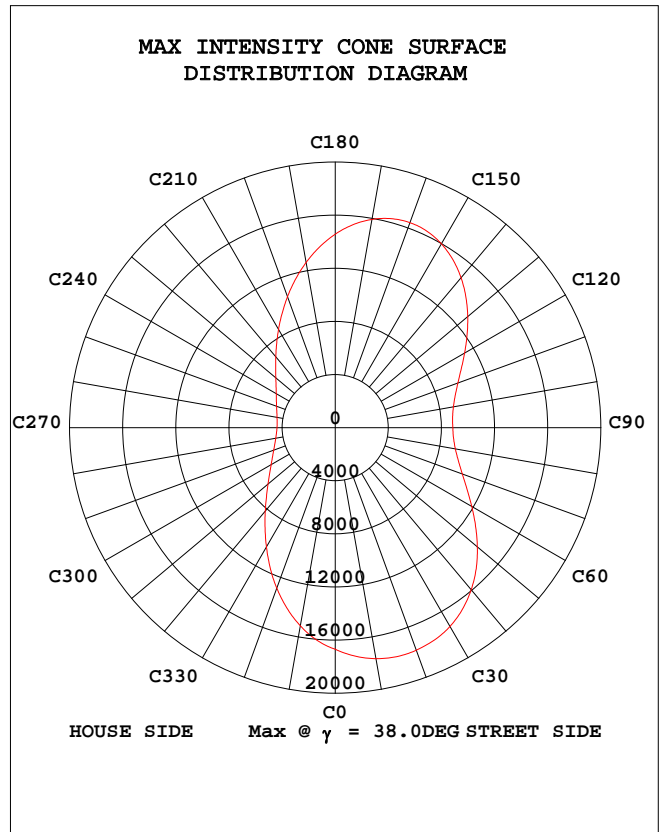
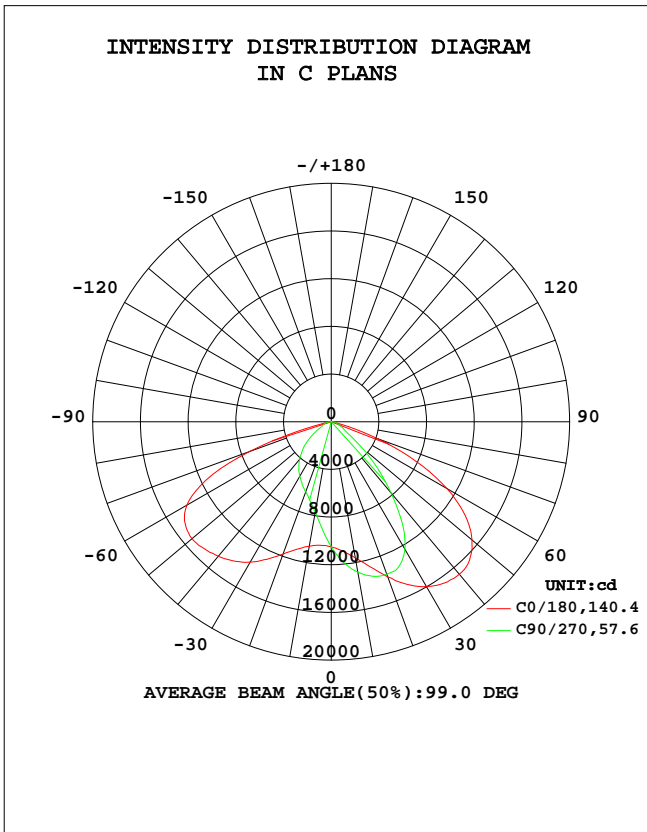


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0V I:0A P:200.0W PF:0 Freq:0Hz Lamp Flux:34048.2x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 170.24 lm/W			
MODEL	AN-SL-X-200W	I _{max} (cd)	17749	η street_up(%)	0.1
NOMINAL POWER(W)	200	LOR(%)	100.0	η street_down(%)	59.3
RATED VOLTAGE(V)	36	TOTAL FLUX(lm)	34048	η house_up(%)	0.2
NOMINAL FLUX(lm)	34048.2	MAXIMUM @(C,γ)	23,38.0	η house_down(%)	40.4
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	36	η down(%)	99.7	SLI	21.684

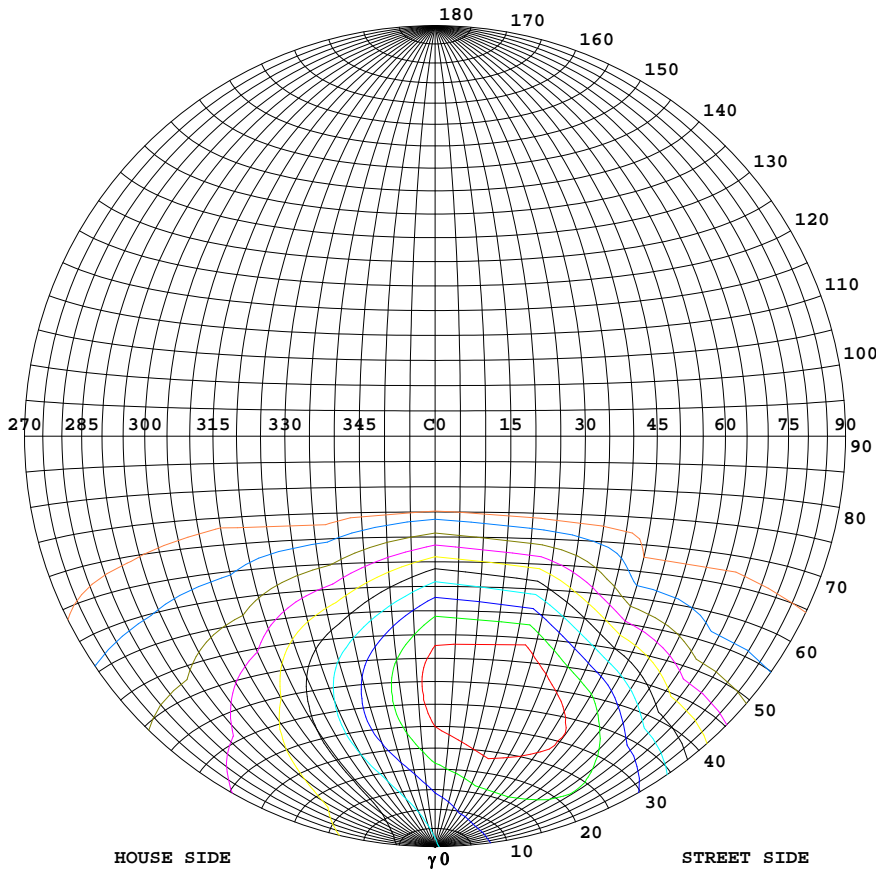


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:56.4%
 Test Distance:26.000m [K=1.4046]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:0V I:0A P:200.0W PF:0 Freq:0Hz Lamp Flux:34048.2x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A



Classification:

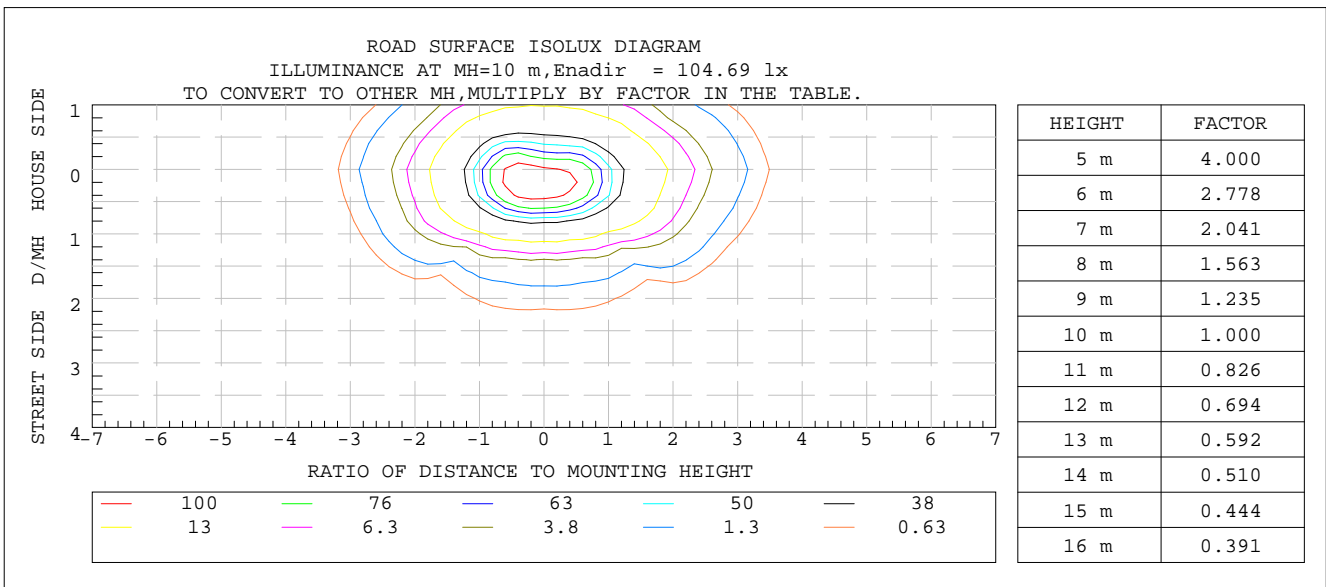
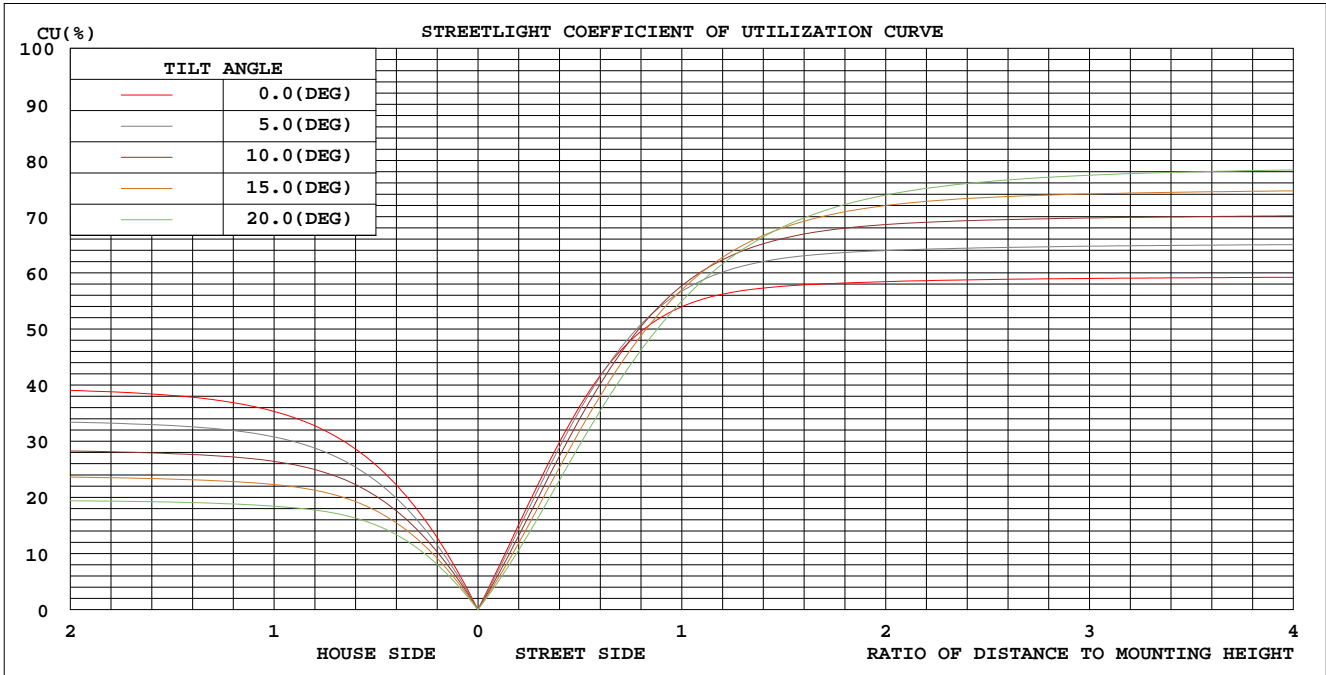
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:14.75cd/klm
 Max.At90:0.2738cd/klm
 Max.80-90:14.75cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	17749
90%	15974
80%	14199
70%	12425
60%	10650
50%	8875
40%	7100
30%	5325
20%	3550
10%	1775
5%	887

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:56.4%
 Test Distance:26.000m [K=1.4046]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: William
Test Date: 2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 56.4%
Test Distance: 26.000m [K=1.4046]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:0V I:0A P:200.0W PF:0 Freq:0Hz Lamp Flux:34048.2x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

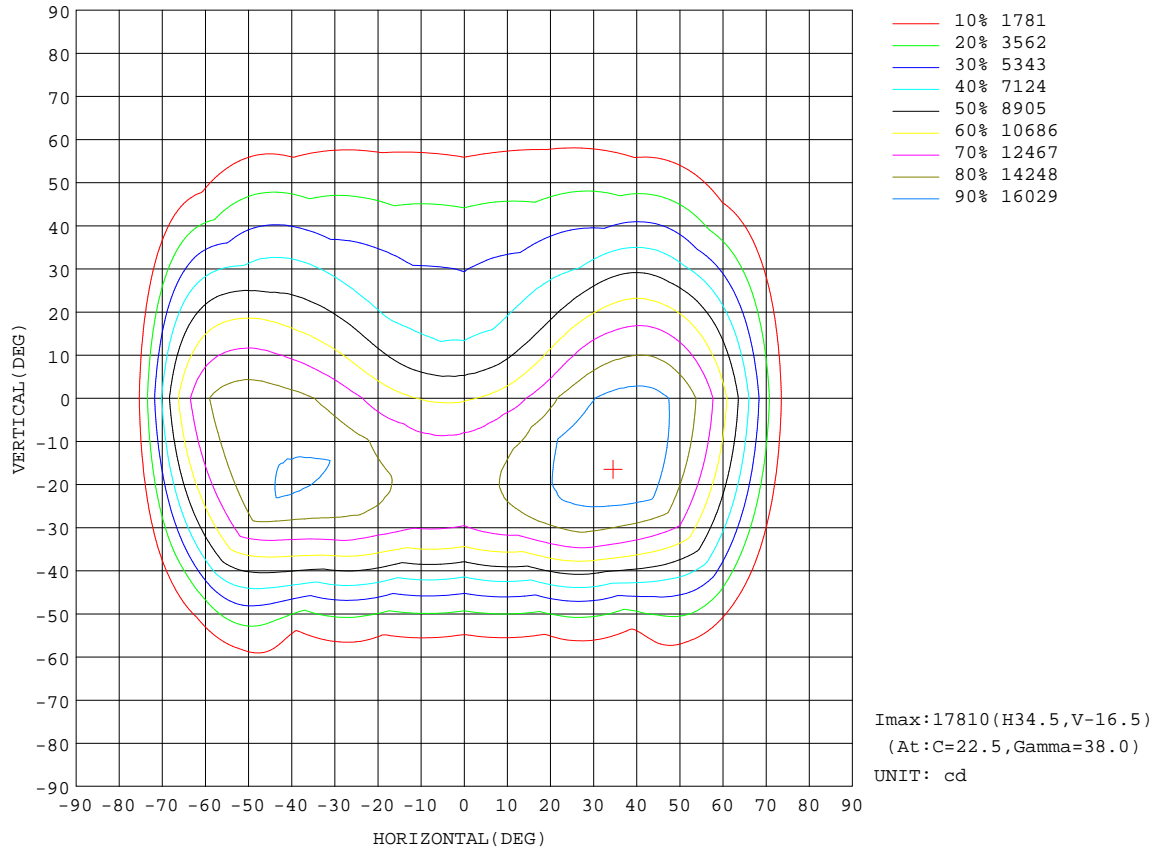
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	1159	1289	1281	1225	1061	837.6	772.6	900.9	0- 10	1008	1008	2.96,2.96
20	1386	1488	1360	1381	1182	740.4	626.8	838.6	10- 20	3109	4117	12.1,12.1
30	1596	1588	1235	1462	1360	688.4	529.2	804.9	20- 30	5335	9452	27.8,27.8
40	1671	1439	784.2	1341	1472	616.7	412.9	707.4	30- 40	7029	16481	48.4,48.4
50	1540	891.6	328.8	863.7	1525	474.5	271.8	517.3	40- 50	7249	23729	69.7,69.7
60	1121	267.1	120.4	282.4	1400	266.9	119.6	270.8	50- 60	5785	29514	86.7,86.7
70	409.3	79.52	62.29	86.06	727.7	102.7	69.77	109.3	60- 70	3290	32805	96.3,96.3
80	36.87	35.43	35.96	39.41	48.68	50.23	37.26	49.71	70- 80	940.0	33745	99.1,99.1
90	0.3785	0.8540	0.5250	0.3135	0.2842	0.2216	0.2708	0.2027	80- 90	216.5	33961	99.7,99.7
100	0.9030	0.2514	0.1579	0.1883	1.389	0.3332	0.5427	0.2705	90-100	6.187	33967	99.8,99.8
110	0.8295	0.2586	0.1353	0.1576	1.116	1.045	2.477	0.6917	100-110	5.734	33973	99.8,99.8
120	1.293	0.4658	0.1428	0.2248	1.622	2.153	6.683	1.246	110-120	11.59	33985	99.8,99.8
130	1.989	0.8795	0.3532	0.4948	1.652	2.669	4.661	1.585	120-130	13.74	33998	99.9,99.9
140	2.330	1.382	0.6830	0.8549	1.735	2.936	1.699	1.953	130-140	13.84	34012	99.9,99.9
150	2.534	1.958	1.194	1.304	2.056	3.083	2.572	2.342	140-150	13.70	34026	99.9,99.9
160	2.505	2.129	1.443	1.441	2.386	3.009	4.796	3.085	150-160	11.86	34038	100,100
170	2.616	2.867	2.313	1.824	2.535	2.928	4.975	3.235	160-170	7.744	34045	100,100
180	2.908	3.253	2.976	2.042	2.908	3.091	3.952	2.747	170-180	2.742	34048	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:56.4%
 Test Distance:26.000m [K=1.4046]
 Remarks:

ISOCANDELA DIAGRAM

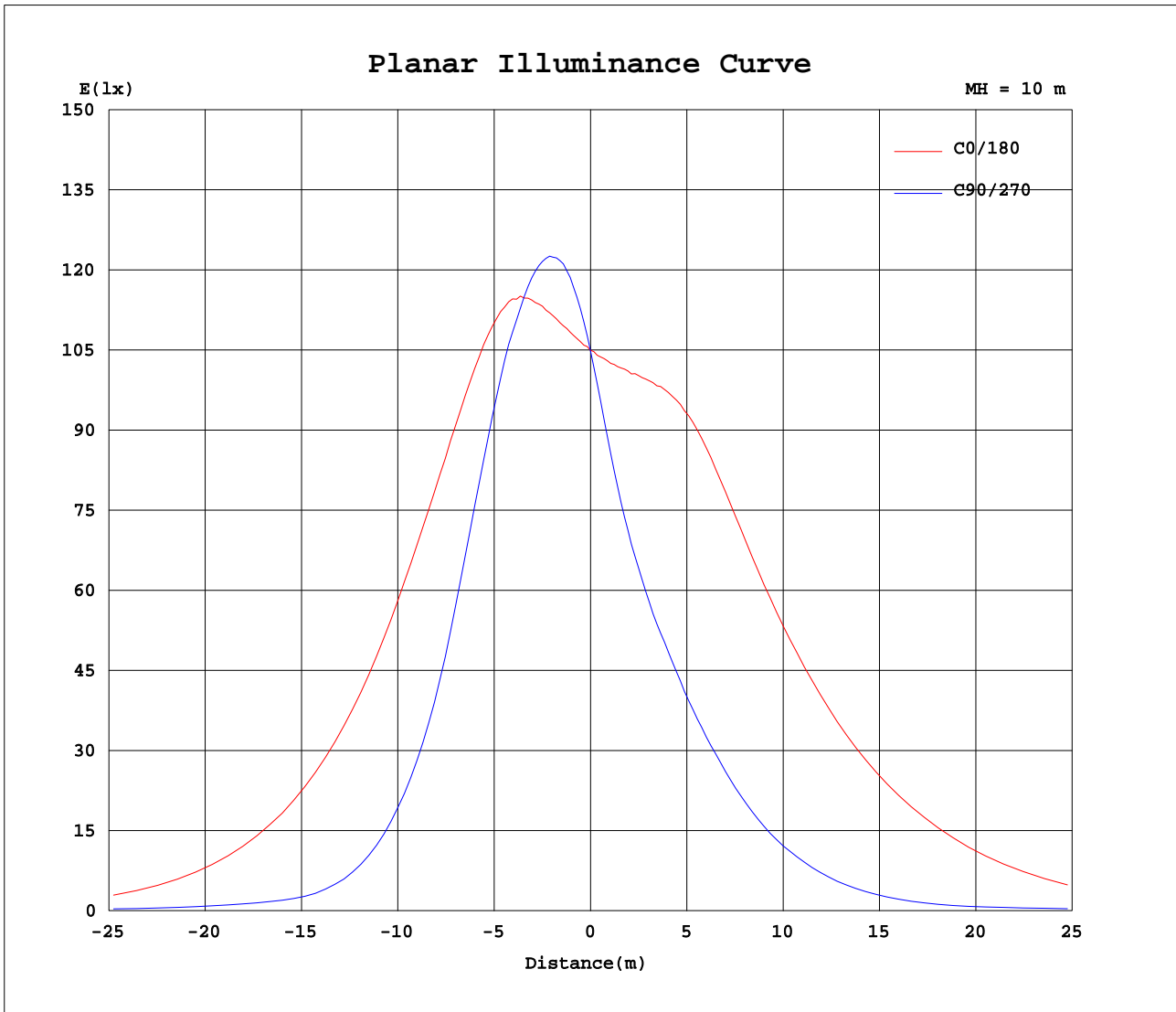
Test:U:0V I:0A P:200.0W PF:0 Freq:0Hz Lamp Flux:34048.2x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:56.4%
 Test Distance:26.000m [K=1.4046]
 Remarks:

Planar Illuminance Curve



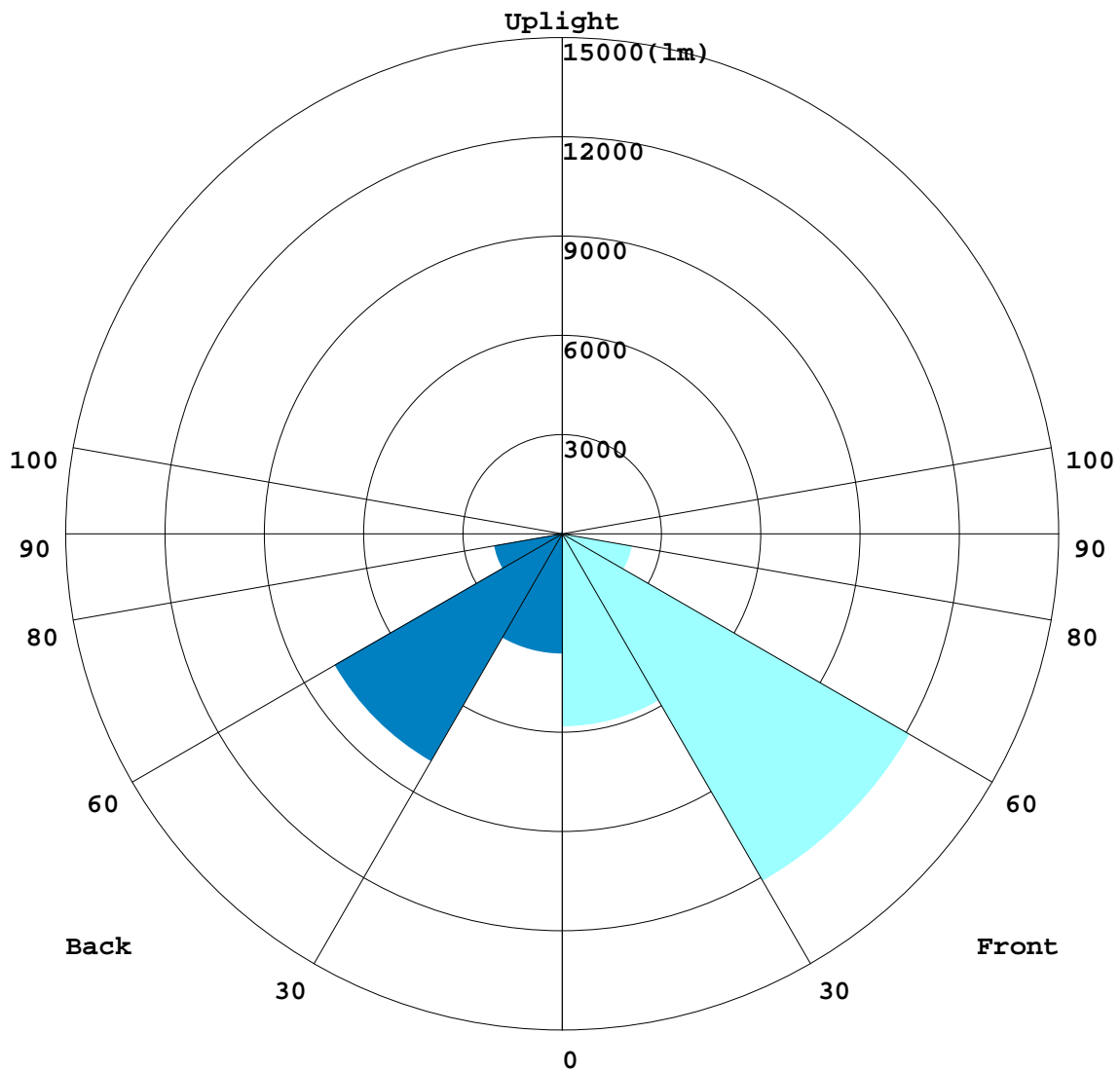
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: William
Test Date: 2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 56.4%
Test Distance: 26.000m [K=1.4046]
Remarks:

LCS REPORT

Test:U:0V I:0A P:200.0W PF:0 Freq:0Hz Lamp Flux:34048.2x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:56.4%
 Test Distance:26.000m [K=1.4046]
 Remarks:

BUG REPORT

Test:U:0V I:0A P:200.0W PF:0 Freq:0Hz Lamp Flux:34048.2x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5826.1	17.1
FM - Front-Medium(30-60)	12120	35.6
FH - Front-High(60-80)	2142.8	6.3
FVH - Front-Very High(80-90)	110.23	0.3
Total Forward Light	20225	59.4

BL - Back-Low(0-30)	3625.5	10.6
BM - Back-Medium(30-60)	7942.5	23.3
BH - Back-High(60-80)	2087.4	6.1
BVH - Back-Very High(80-90)	106.27	0.3
Total Back Light	13823	40.6

UL - Uplight-Low(90-100)	6.1871	0.0
UH - Uplight-High(100-180)	80.947	0.2
Total Up Light	87.134	0.3

BUG(Back,Up,Glare) Rating	B4-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13762	61.693	13823
Street Side	20199	25.441	20225

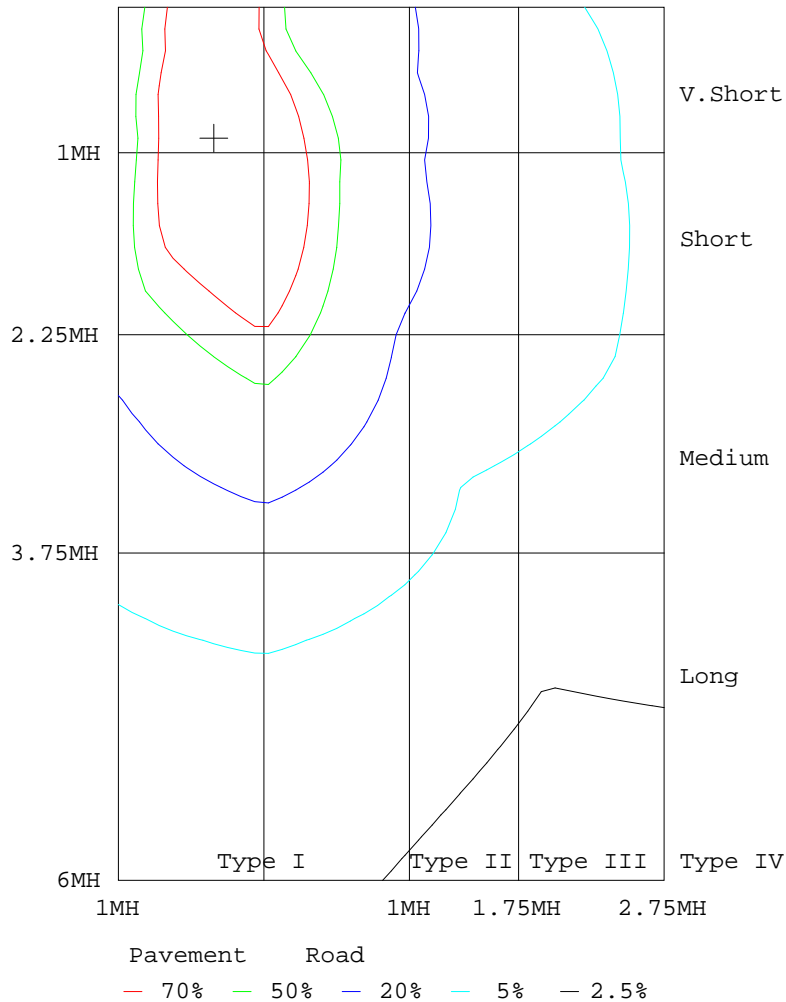
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:56.4%
 Test Distance:26.000m [K=1.4046]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:0V I:0A P:200.0W PF:0 Freq:0Hz Lamp Flux:34048.2x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:56.4%
 Test Distance:26.000m [K=1.4046]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:200.0W PF:0 Freq:0Hz Lamp Flux:34048.2x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048			
5	1089	1136	1170	1183	1181	1166	1138	1097	1041	983	933	903	898	921	964	1026			
10	1159	1249	1289	1291	1281	1261	1225	1161	1061	939	838	784	773	813	901	1029			
15	1259	1373	1395	1372	1341	1327	1308	1247	1107	925	776	700	689	738	860	1063			
20	1386	1507	1488	1416	1360	1363	1381	1345	1182	935	740	643	627	685	839	1119			
25	1506	1631	1557	1423	1341	1363	1436	1451	1273	966	712	602	579	644	822	1191			
30	1596	1721	1588	1361	1235	1300	1462	1551	1360	995	688	559	529	599	805	1235			
35	1652	1763	1562	1197	1039	1149	1442	1619	1426	1002	660	512	475	546	765	1240			
40	1671	1764	1439	948	784	909	1341	1653	1472	989	617	453	413	478	707	1209			
45	1641	1695	1201	682	547	657	1136	1647	1507	952	556	384	344	402	625	1137			
50	1540	1539	892	431	329	423	864	1573	1525	888	474	308	272	319	517	1001			
55	1372	1298	561	233	174	232	562	1421	1495	779	373	240	191	247	395	809			
60	1121	988	267	129	120	133	282	1162	1400	618	267	162	120	173	271	583			
65	785	640	112	102	85.3	103	124	800	1160	419	166	104	83.7	114	166	347			
70	409	265	79.5	75.4	62.3	74.7	86.1	360	728	209	103	78.7	69.8	84.8	109	157			
75	92.5	70.6	56.9	54.1	48.5	53.6	63.0	89.4	202	69.1	75.5	59.9	53.4	64.0	79.8	59.8			
80	36.9	36.9	35.4	39.0	36.0	38.7	39.4	45.4	48.7	34.7	50.2	41.4	37.3	43.0	49.7	30.9			
85	17.4	17.6	17.5	28.1	20.3	28.0	19.0	22.4	24.9	16.6	18.8	21.4	16.5	20.6	16.2	14.5			
90	0.38	0.61	0.85	0.93	0.52	0.40	0.31	0.57	0.28	0.24	0.22	0.28	0.27	0.23	0.20	0.30			
95	0.30	0.26	0.24	0.20	0.18	0.20	1.13	1.48	0.38	1.26	1.69	0.35	0.32	0.24	0.90	0.30			
100	0.90	0.51	0.25	0.18	0.16	0.17	0.19	0.69	1.39	1.02	0.33	0.45	0.54	0.27	0.27	0.72			
105	0.71	0.33	0.24	0.18	0.14	0.14	0.16	0.22	0.79	0.94	0.56	0.84	1.04	0.39	0.42	0.93			
110	0.83	0.40	0.26	0.18	0.14	0.14	0.16	0.24	1.12	1.31	1.04	1.78	2.48	0.67	0.69	1.29			
115	1.02	0.55	0.35	0.18	0.14	0.14	0.16	0.31	1.42	1.71	1.65	3.00	4.62	1.09	0.98	1.56			
120	1.29	0.70	0.47	0.23	0.14	0.14	0.22	0.46	1.62	2.04	2.15	3.41	6.68	1.48	1.25	1.68			
125	1.67	1.00	0.68	0.38	0.23	0.28	0.38	0.74	1.63	2.05	2.31	2.49	5.72	1.04	1.31	1.68			
130	1.99	1.27	0.88	0.54	0.35	0.39	0.49	0.84	1.65	1.98	2.67	4.86	4.66	1.87	1.58	1.67			
135	2.03	1.40	1.11	0.72	0.47	0.52	0.64	0.94	1.67	1.97	2.87	5.24	3.00	1.78	1.79	1.62			
140	2.33	1.75	1.38	1.01	0.68	0.75	0.85	1.24	1.73	2.15	2.94	6.50	1.70	2.99	1.95	1.70			
145	2.50	1.98	1.65	1.30	0.94	0.94	1.07	1.33	1.85	2.18	3.02	6.39	1.85	4.00	2.12	1.79			
150	2.53	2.15	1.96	1.49	1.19	1.13	1.30	1.44	2.06	2.35	3.08	5.91	2.57	4.79	2.34	1.89			
155	2.53	2.20	2.08	1.58	1.25	1.22	1.41	1.47	2.23	2.43	3.08	5.45	4.16	5.96	2.53	2.04			
160	2.50	2.20	2.13	1.71	1.44	1.35	1.44	1.51	2.39	2.47	3.01	4.36	4.80	5.38	3.09	2.19			
165	2.59	2.47	2.41	2.59	1.89	1.58	1.55	1.64	2.51	2.52	2.97	3.81	5.22	5.09	3.24	2.26			
170	2.62	2.76	2.87	3.31	2.31	1.93	1.82	1.83	2.53	2.53	2.93	3.51	4.98	3.94	3.23	2.18			
175	2.91	3.02	3.21	3.76	2.72	2.45	2.05	1.97	2.73	2.69	2.97	3.39	4.49	3.11	2.99	2.09			
180	2.91	3.07	3.25	4.01	2.98	2.77	2.04	1.96	2.91	2.87	3.09	3.33	3.95	2.96	2.75	2.04			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2020-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:56.4%
 Test Distance:26.000m [K=1.4046]
 Remarks: