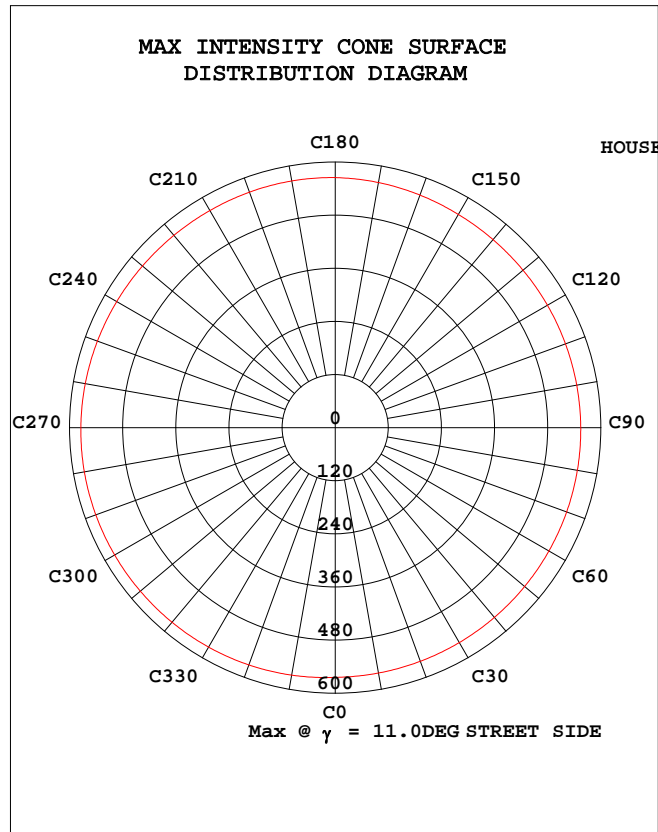
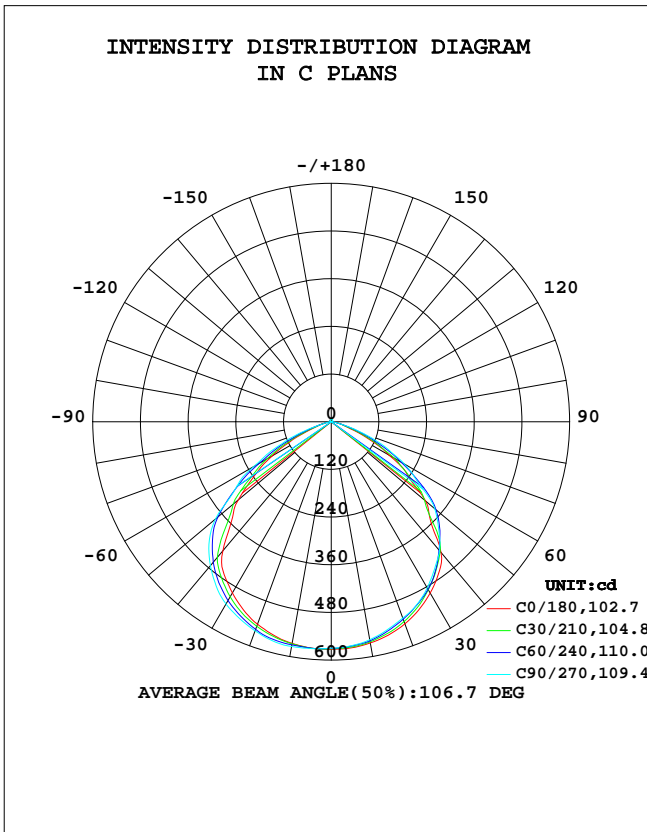


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0V I:0A P:0W PF:0 Lamp Flux:1484.47x1 lm		
NAME: RW-01SST-ZN106-90W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.14*0.24	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I _{max} (cd)	575.3	η street_up(%)	0.8
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	58.4
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1484	η house_up(%)	0.6
NOMINAL FLUX(lm)	1484.47	MAXIMUM @(C,γ)	300,11.0	η house_down(%)	40.3
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	230	η down(%)	98.7	SLI	14.873

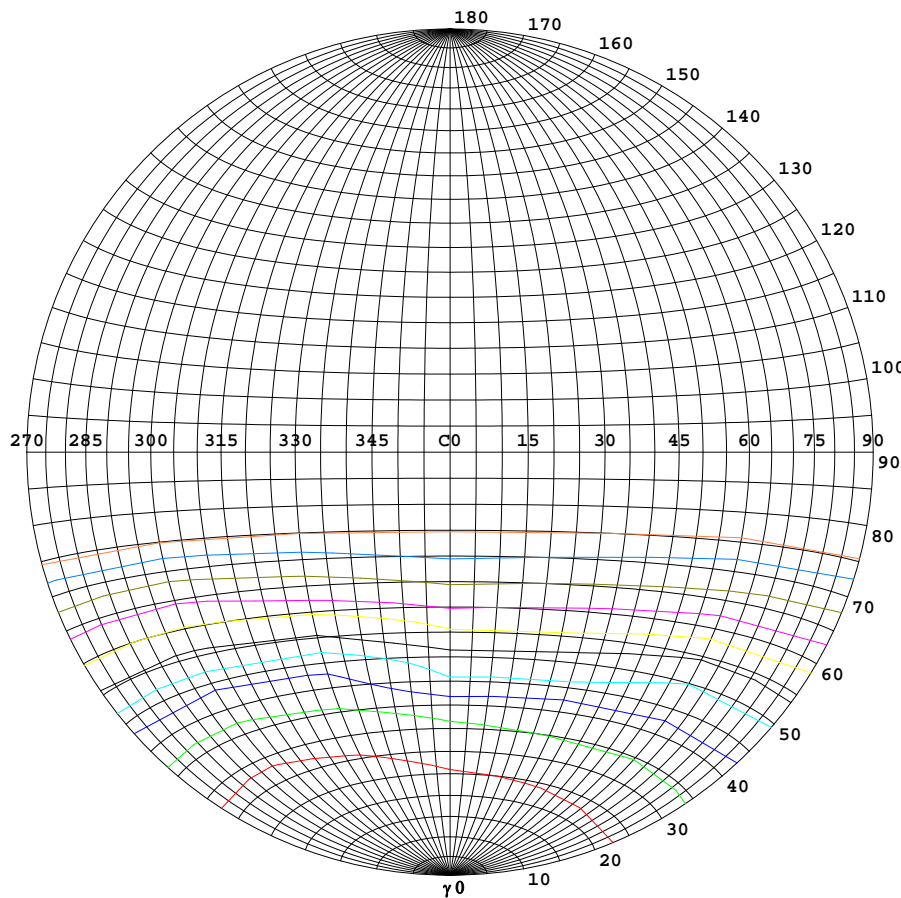


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

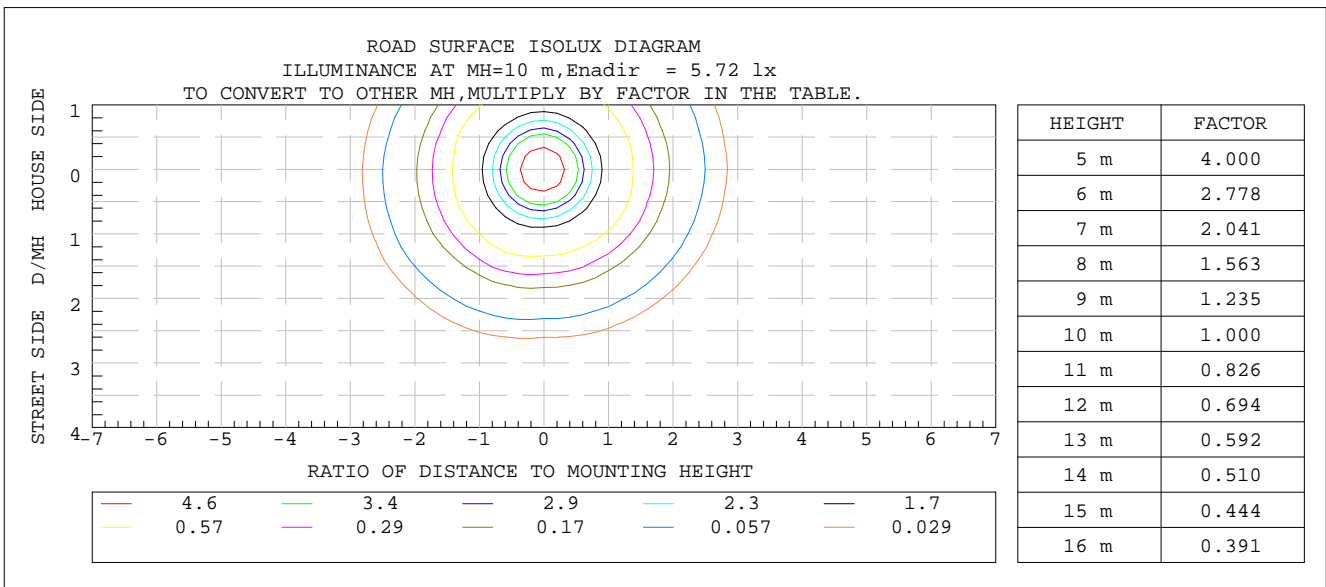
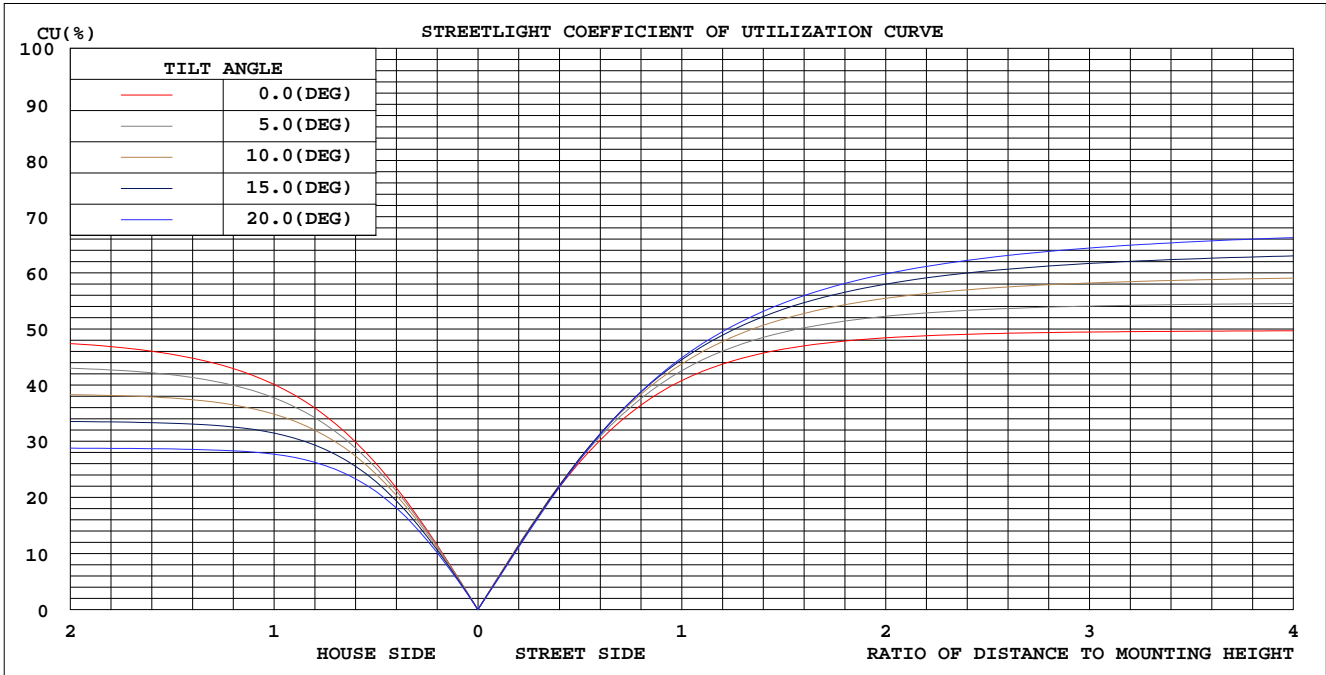
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:9.385cd/klm
 Max.At90:0.7333cd/klm
 Max.80-90:9.385cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	575
90%	518
80%	460
70%	403
60%	345
50%	288
40%	230
30%	173
20%	115
10%	58
5%	29

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 September 2021

gamma Range: 0 - 180DEG
 gamma Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 30 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 7.640m [K=1.0000]
 Remarks:

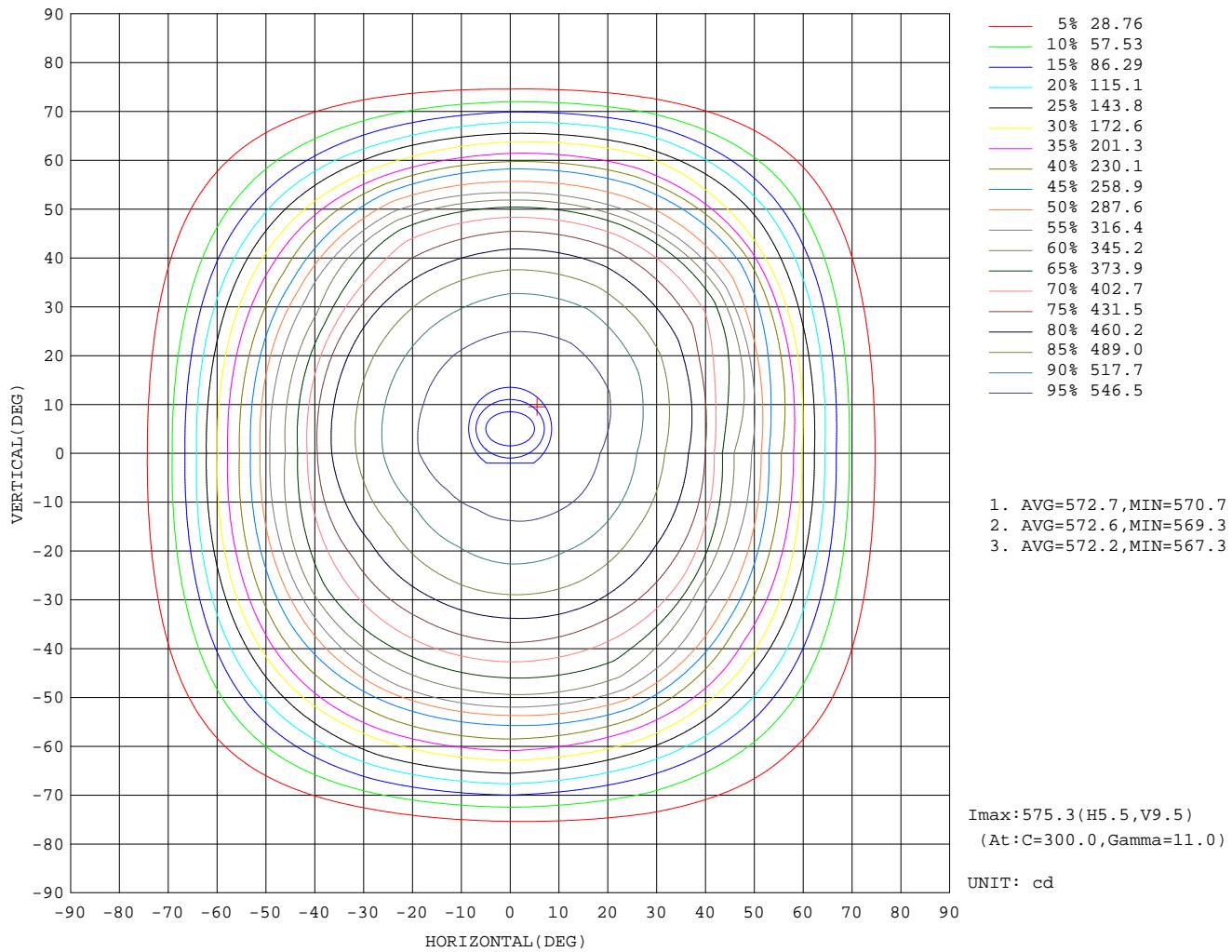
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	565.4	561.1	557.2	557.3	566.5	569.0	574.4	574.1	0- 10	54.27	54.27	3.66,3.66
20	541.3	532.1	525.8	525.4	542.5	551.9	560.1	559.8	10- 20	157.1	211.4	14.2,14.2
30	497.9	487.8	482.9	480.1	497.6	514.2	529.7	526.7	20- 30	241.9	453.3	30.5,30.5
40	430.2	424.4	423.8	417.7	424.6	454.1	473.0	470.5	30- 40	296.6	749.9	50.5,50.5
50	309.7	325.0	340.3	326.9	305.4	347.3	380.5	382.4	40- 50	302.4	1052	70.9,70.9
60	167.8	193.5	212.4	201.8	171.1	198.5	224.1	227.7	50- 60	241.4	1294	87.1,87.1
70	50.67	68.88	86.29	74.00	48.08	64.26	84.49	80.98	60- 70	131.5	1425	96,96
80	13.59	13.18	11.01	10.77	12.20	11.76	9.683	11.50	70- 80	34.71	1460	98.3,98.3
90	1.024	0.9601	0.5168	0.7334	1.072	1.006	0.7699	0.8116	80- 90	4.846	1465	98.7,98.7
100	0.9129	1.037	1.157	1.174	0.9867	0.8607	0.7377	0.7409	90-100	0.8996	1466	98.7,98.7
110	1.572	1.923	2.302	2.237	1.574	1.548	1.560	1.497	100-110	1.399	1467	98.8,98.8
120	2.675	3.121	3.577	3.471	2.650	2.555	2.550	2.477	110-120	2.309	1469	99,99
130	3.794	4.240	4.740	4.612	3.736	3.563	3.549	3.463	120-130	3.075	1472	99.2,99.2
140	4.789	5.184	5.684	5.577	4.695	4.504	4.462	4.408	130-140	3.435	1476	99.4,99.4
150	5.610	5.981	6.390	6.311	5.496	5.318	5.242	5.249	140-150	3.335	1479	99.6,99.6
160	6.287	6.624	6.841	6.761	6.139	5.987	5.916	5.985	150-160	2.781	1482	99.8,99.8
170	6.750	6.897	6.917	6.906	6.692	6.565	6.542	6.639	160-170	1.853	1484	100,100
180	6.870	6.841	6.855	6.928	6.859	6.821	6.855	6.930	170-180	0.6498	1484	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:30 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.640m [K=1.0000]
Remarks:

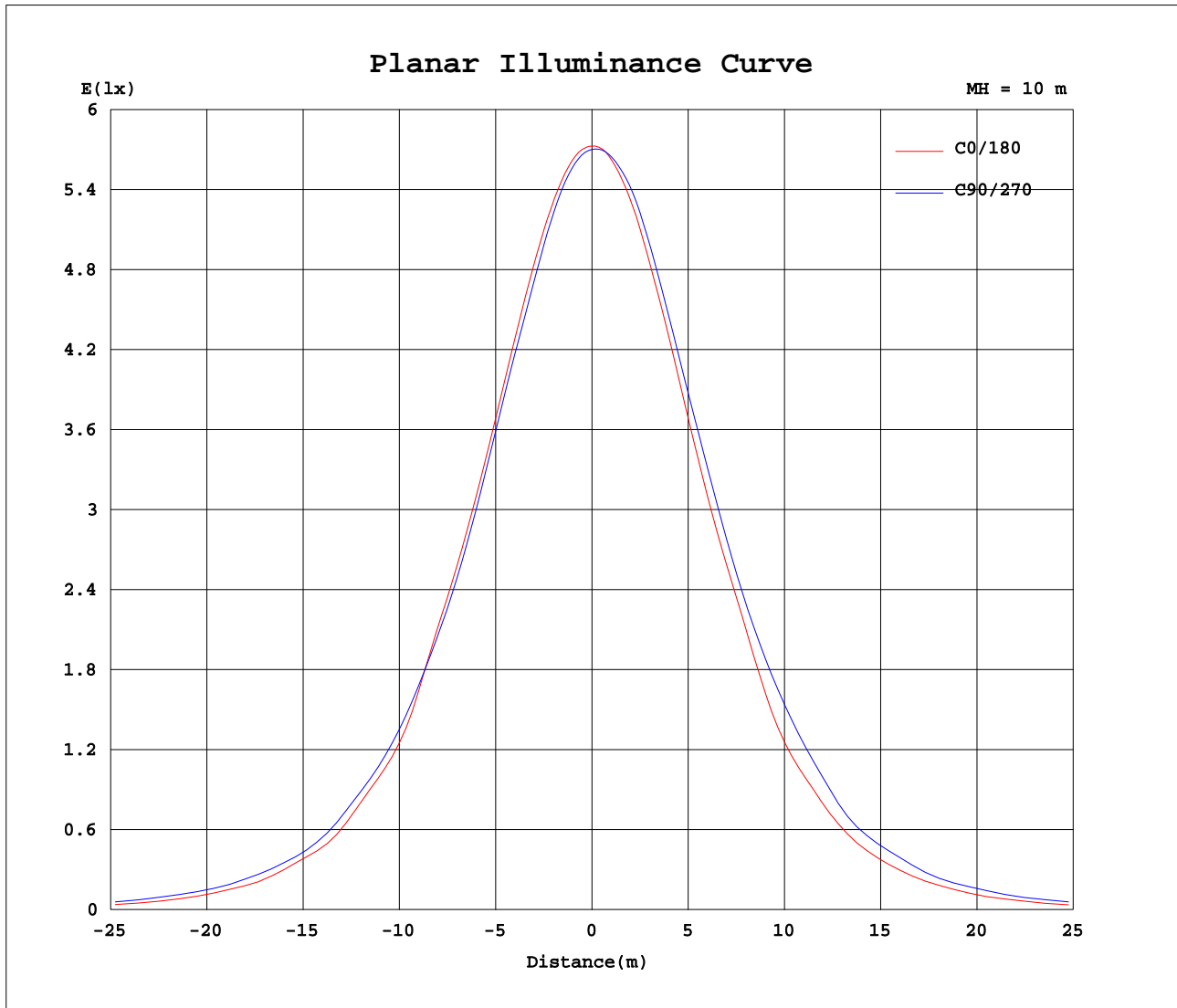
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 30 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 7.640m [K=1.0000]
 Remarks:

Planar Illuminance Curve



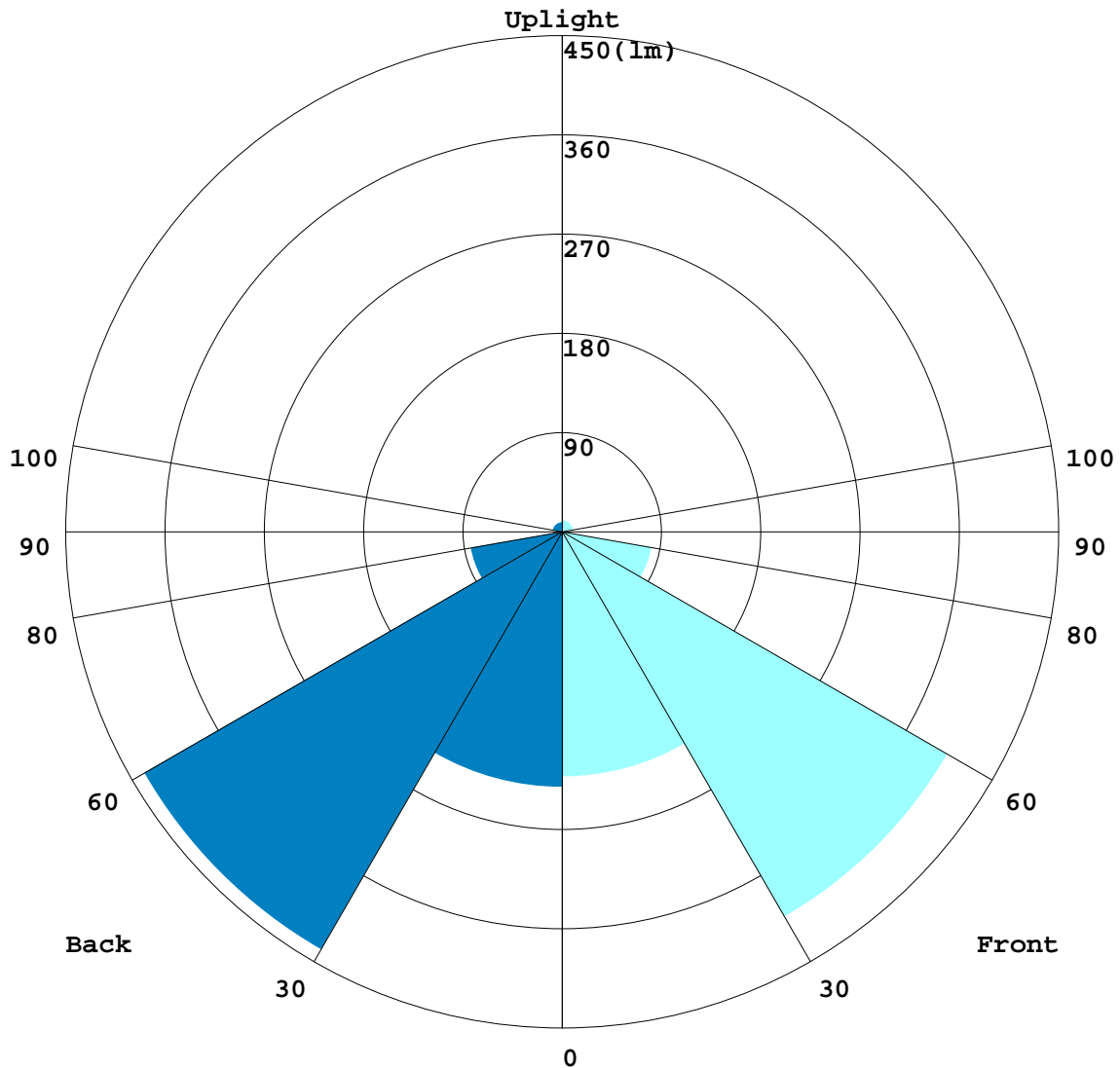
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 30 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 7.640m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:0V I:0A P:0W PF:0 Lamp Flux:1484.47x1 lm		
NAME: 太阳能	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.14*0.24	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:0V I:0A P:0W PF:0 Lamp Flux:1484.47x1 lm		
NAME: 太阳能	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.14*0.24	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	221.92	14.9
FM - Front-Medium(30-60)	403.04	27.2
FH - Front-High(60-80)	82.164	5.5
FVH - Front-Very High(80-90)	2.4763	0.2
Total Forward Light	720.32	48.5

BL - Back-Low(0-30)	231.4	15.6
BM - Back-Medium(30-60)	437.34	29.5
BH - Back-High(60-80)	84.024	5.7
BVH - Back-Very High(80-90)	2.3695	0.2
Total Back Light	764.15	51.5

UL - Uplight-Low(90-100)	0.89963	0.1
UH - Uplight-High(100-180)	18.838	1.3
Total Up Light	19.738	1.3

BUG(Back,Up,Glare) Rating	B1-U2-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	755.13	9.0177	764.15
Street Side	709.6	10.72	720.32

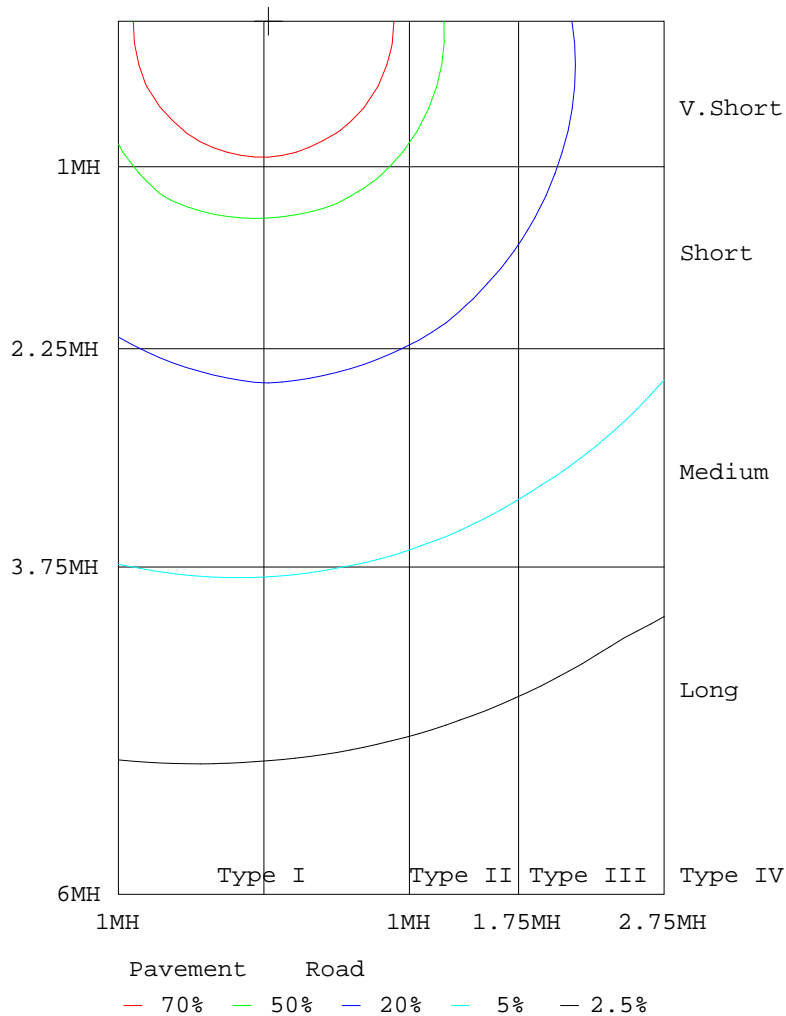
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:30 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.640m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:0V I:0A P:0W PF:0 Lamp Flux:1484.47x1 lm		
NAME: 太阳能	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.14*0.24	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

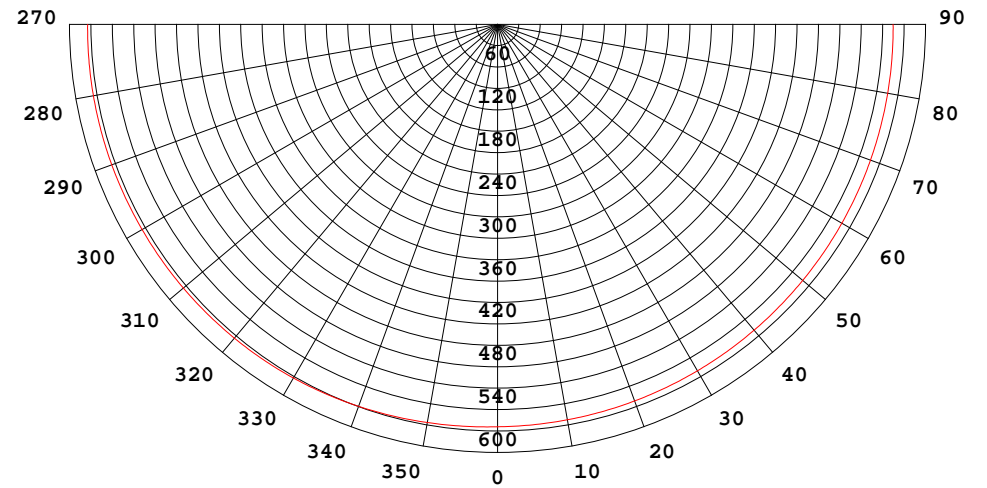
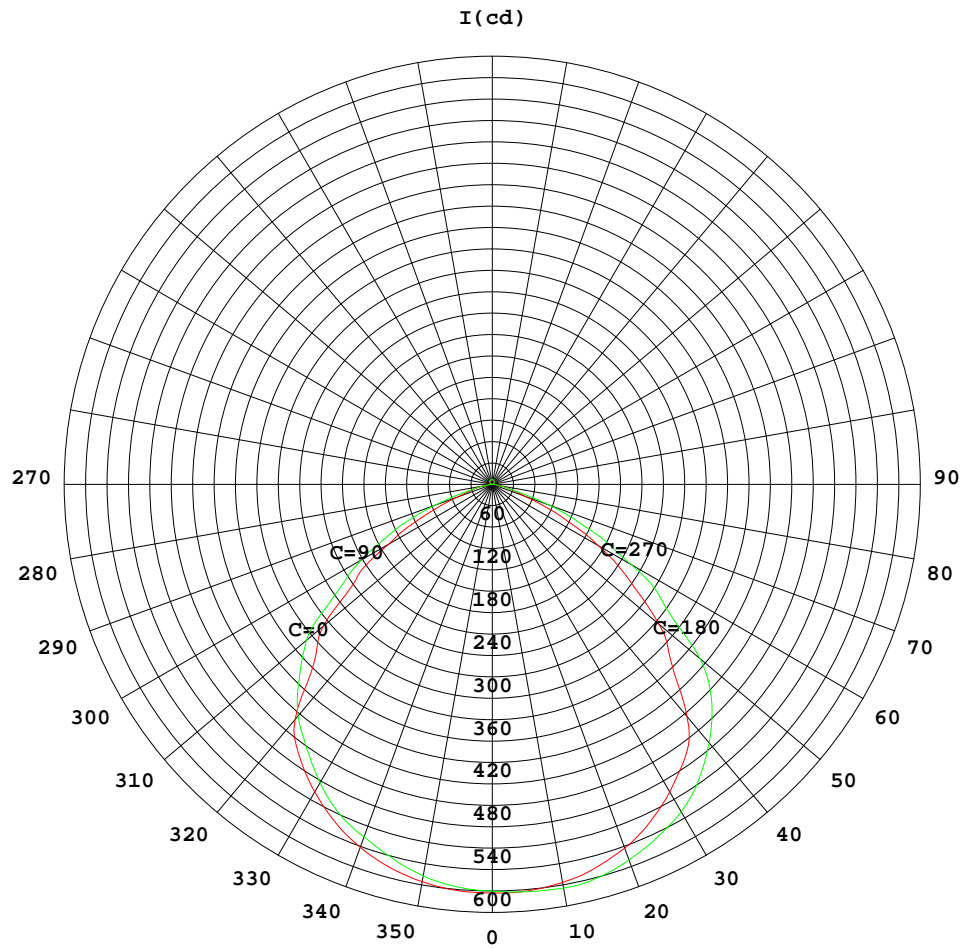
C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	573	571	570	570	570	571	573	571	570	570	570	571							
5	571	570	567	566	566	566	572	572	572	573	573	573							
10	565	562	560	557	556	558	566	568	570	574	575	573							
15	556	551	546	542	541	546	557	560	567	571	572	569							
20	541	535	529	526	524	527	542	548	556	560	562	558							
25	522	515	509	509	505	506	523	531	539	546	548	542							
30	498	488	487	483	480	480	498	509	520	530	532	521							
35	470	459	458	453	449	451	470	481	494	505	508	496							
40	430	427	422	424	419	417	425	446	462	473	476	465							
45	354	365	387	383	378	378	356	376	423	435	439	427							
50	310	306	344	340	334	320	305	322	372	381	386	378							
55	234	241	278	268	263	254	235	251	294	295	299	293							
60	168	184	203	212	210	193	171	187	210	224	235	220							
65	108	120	135	150	145	125	107	117	137	151	162	142							
70	50.7	61.8	75.9	86.3	81.4	66.6	48.1	57.6	71.0	84.5	88.6	73.4							
75	27.7	28.5	33.1	31.1	28.6	27.7	26.1	27.1	27.5	25.1	27.5	28.1							
80	13.6	13.9	12.4	11.0	10.1	11.4	12.2	12.3	11.2	9.68	10.7	12.3							
85	4.42	4.49	3.64	3.05	2.62	3.33	3.86	3.76	3.22	2.81	3.25	3.67							
90	1.02	1.03	0.89	0.52	0.57	0.89	1.07	1.09	0.92	0.77	0.74	0.89							
95	0.90	0.88	0.78	0.73	0.74	0.90	0.95	0.88	0.75	0.64	0.60	0.71							
100	0.91	1.02	1.06	1.16	1.19	1.15	0.99	0.90	0.82	0.74	0.72	0.76							
105	1.18	1.32	1.50	1.70	1.73	1.57	1.18	1.10	1.15	1.11	1.08	1.04							
110	1.57	1.78	2.06	2.30	2.34	2.13	1.57	1.51	1.58	1.56	1.52	1.47							
115	2.11	2.36	2.68	2.94	2.99	2.73	2.09	2.01	2.07	2.05	2.00	1.95							
120	2.67	2.96	3.28	3.58	3.62	3.32	2.65	2.53	2.57	2.55	2.50	2.45							
125	3.25	3.54	3.86	4.18	4.23	3.90	3.21	3.06	3.08	3.06	3.00	2.95							
130	3.79	4.08	4.40	4.74	4.77	4.45	3.74	3.57	3.56	3.55	3.49	3.44							
135	4.30	4.58	4.87	5.25	5.26	4.98	4.22	4.05	4.03	4.02	3.97	3.91							
140	4.79	5.04	5.32	5.68	5.68	5.47	4.70	4.52	4.49	4.46	4.43	4.38							
145	5.22	5.46	5.74	6.06	6.05	5.90	5.14	4.96	4.92	4.87	4.87	4.83							
150	5.61	5.84	6.12	6.39	6.37	6.25	5.50	5.34	5.29	5.24	5.25	5.25							
155	5.97	6.23	6.44	6.66	6.61	6.54	5.81	5.68	5.63	5.57	5.61	5.64							
160	6.29	6.56	6.69	6.84	6.77	6.75	6.14	6.01	5.96	5.92	5.96	6.01							
165	6.57	6.80	6.85	6.90	6.85	6.87	6.48	6.33	6.28	6.27	6.33	6.38							
170	6.75	6.92	6.87	6.92	6.88	6.93	6.69	6.57	6.56	6.54	6.63	6.64							
175	6.87	6.92	6.87	6.92	6.92	6.93	6.80	6.71	6.74	6.73	6.83	6.83							
180	6.87	6.83	6.85	6.86	6.93	6.93	6.86	6.80	6.84	6.86	6.94	6.92							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 September 2021

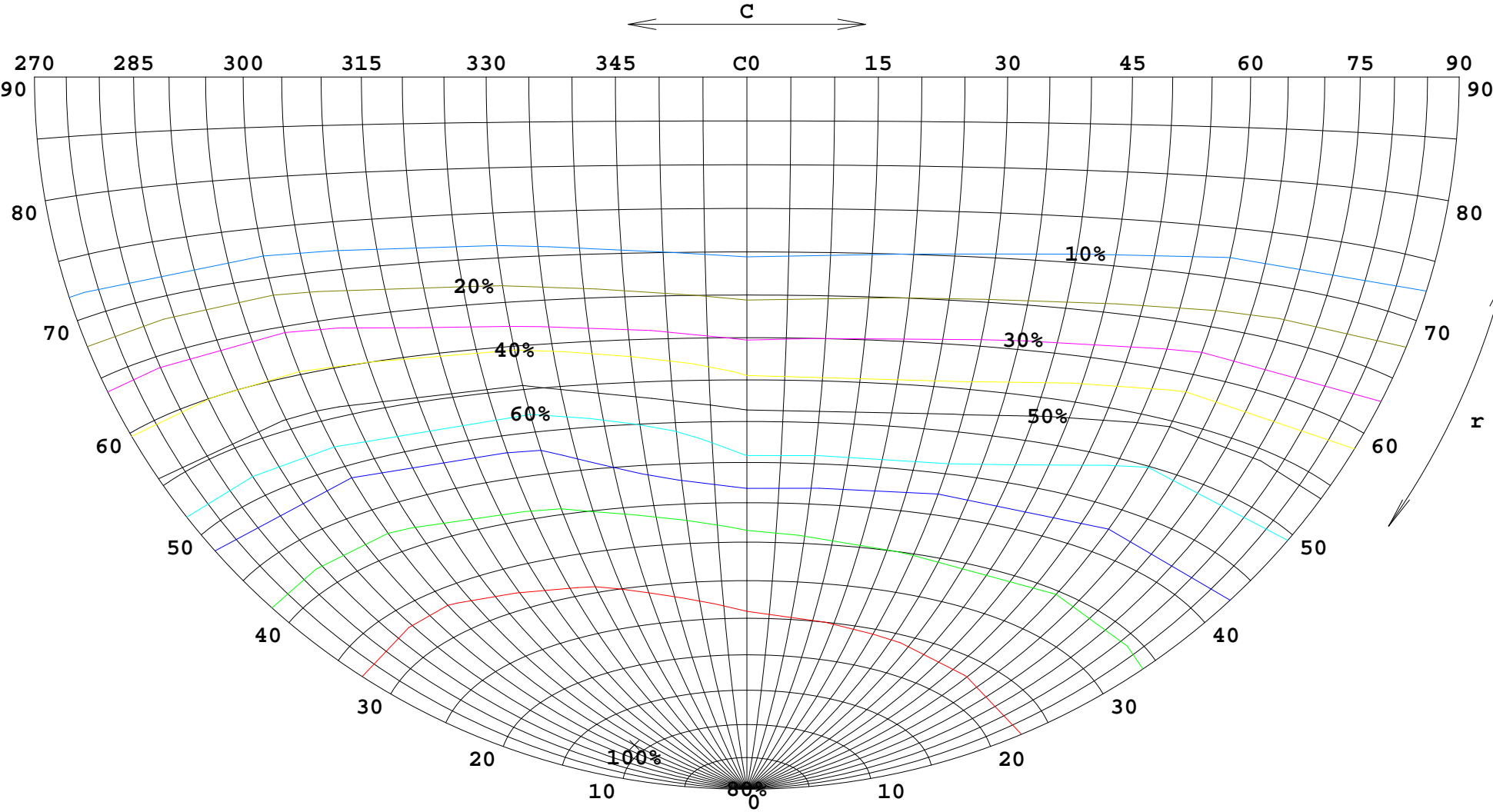
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:

FLUX DATA:

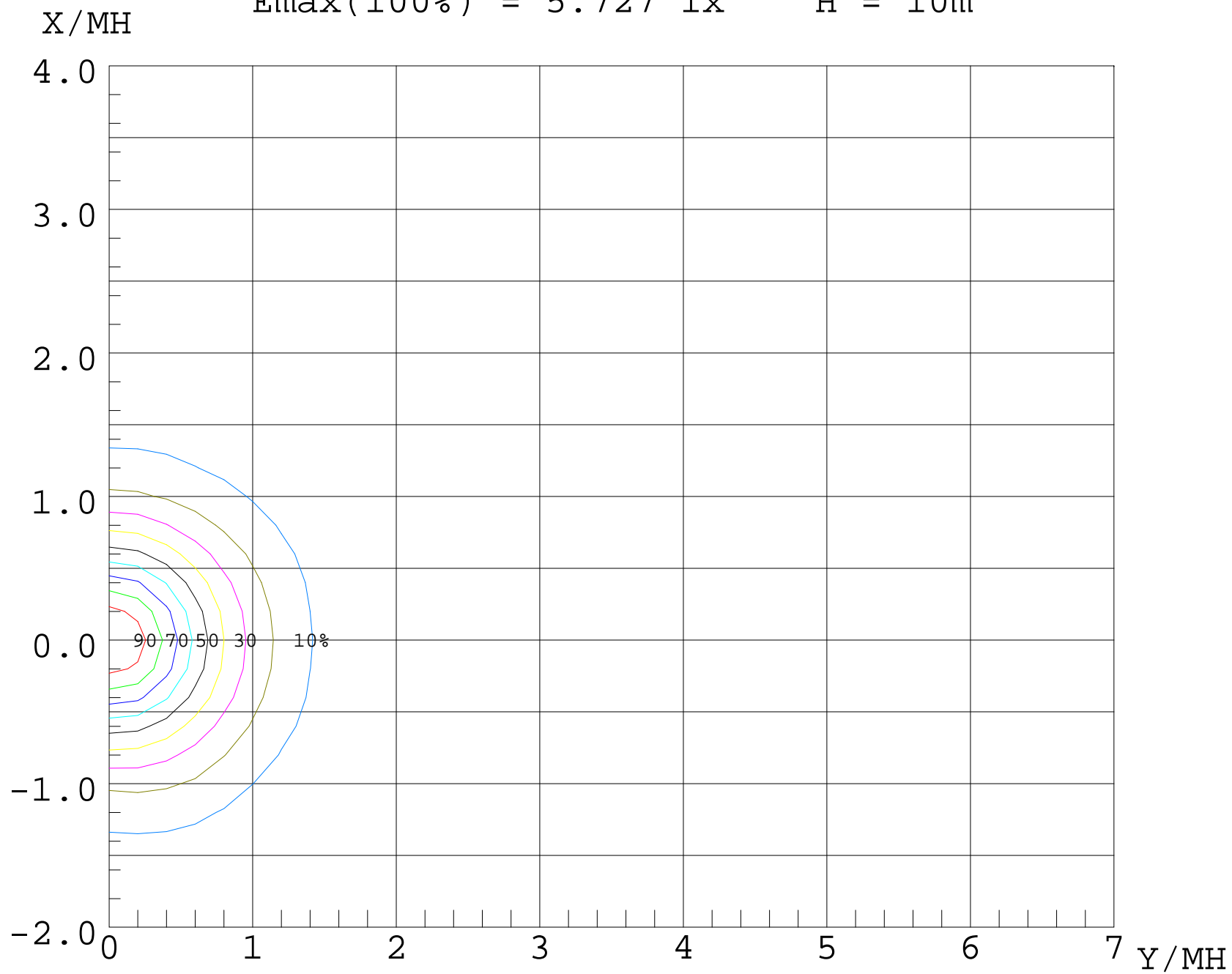
LOR:	100.0 %
STREET DOWN:	866.9 lm
STREET UP:	11.39 lm
HOUSE DOWN:	597.9 lm
HOUSE UP:	8.343 lm



$I_{max}(100\%) = 575.3 \text{ cd}$



$E_{\max}(100\%) = 5.727 \text{ lx}$ $H = 10\text{m}$



UF (%)

80

70

60

50

40

30

20

10

0

-2

-1

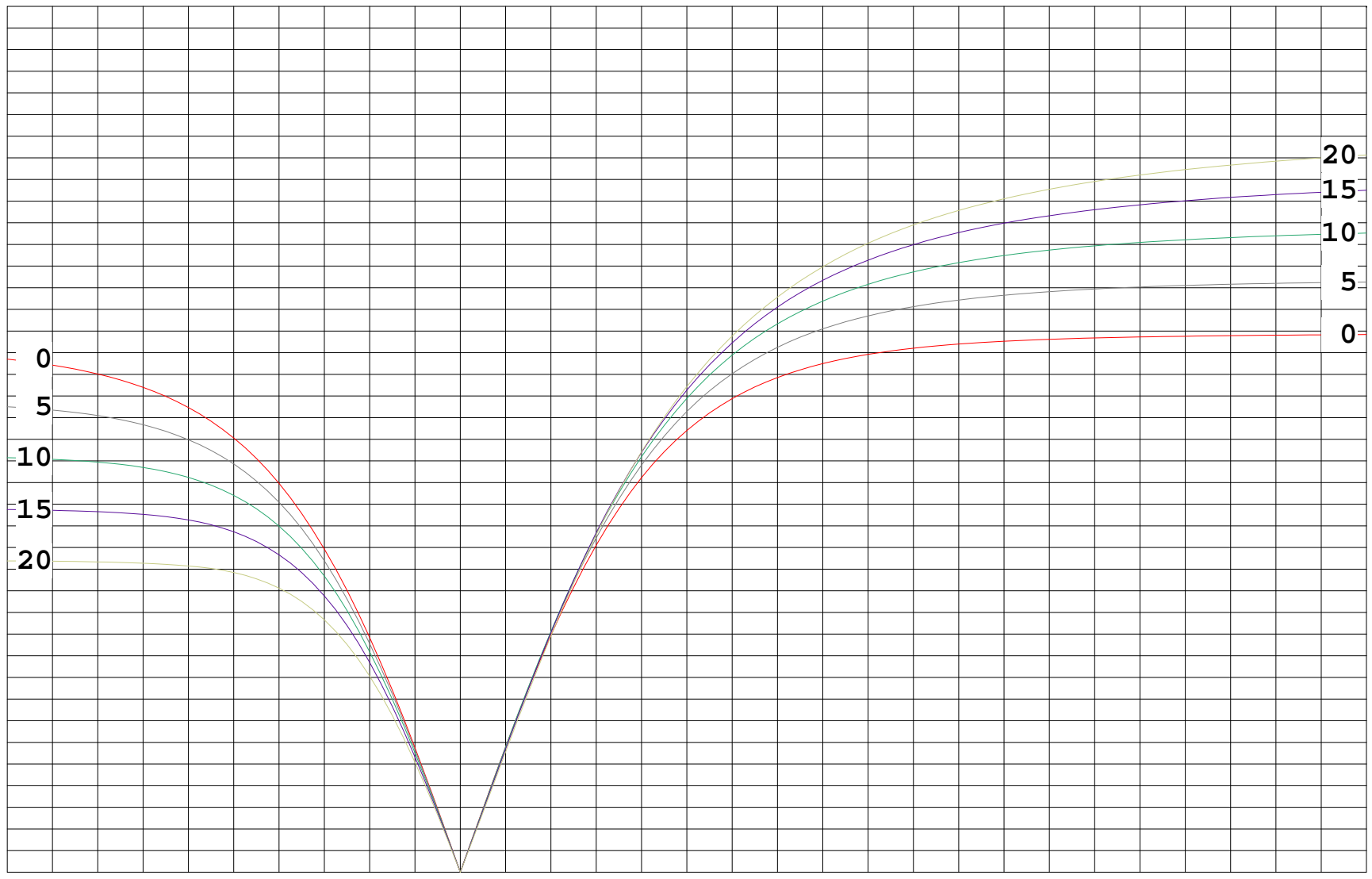
0

1

2

3

4 X/MH



0

5

10

15

20

20

15

10

5

0