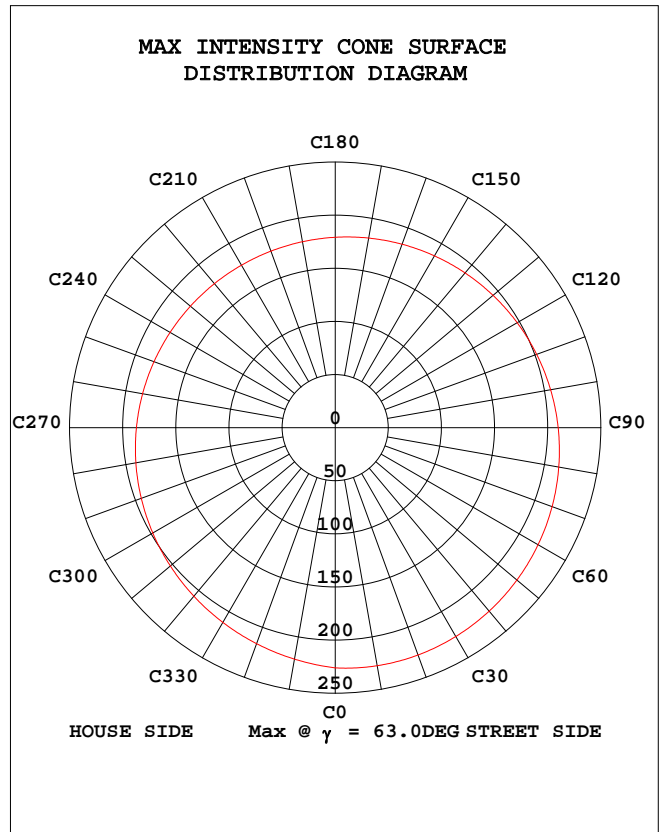
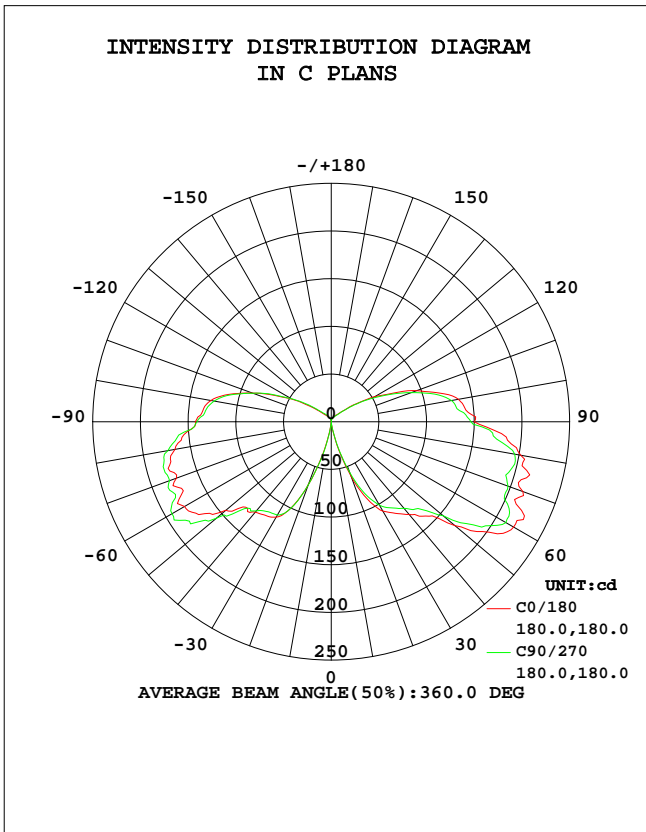


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:119.98V I:0.1894A P:22.583W PF:0.9939 Freq:59.98Hz Lamp Flux:1359.07x1 lm		
NAME: DD147 GD331 22W 5K 120V 圆形平顶格栅	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

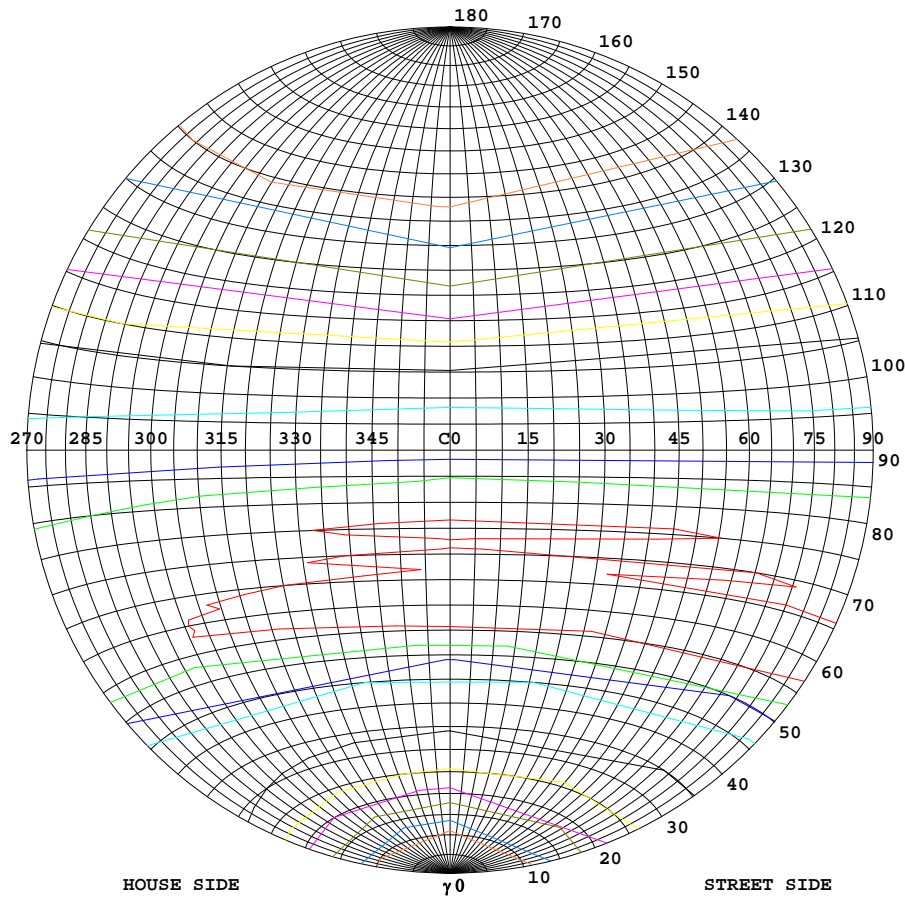
DATA OF LAMP		PHOTOMETRIC DATA Eff: 60.18 lm/W			
MODEL		I <sub>max</sub> (cd)	226.1	η street_up(%)	14.5
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	37.4
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1359	η house_up(%)	13.9
NOMINAL FLUX(lm)	1359.07	MAXIMUM @(C,γ )	0,63.0	η house_down(%)	34.1
LAMPS INSIDE	1	η up(%)	28.4	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220	η down(%)	71.6	SLI	20.145



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-05-29

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**



**Classification:**

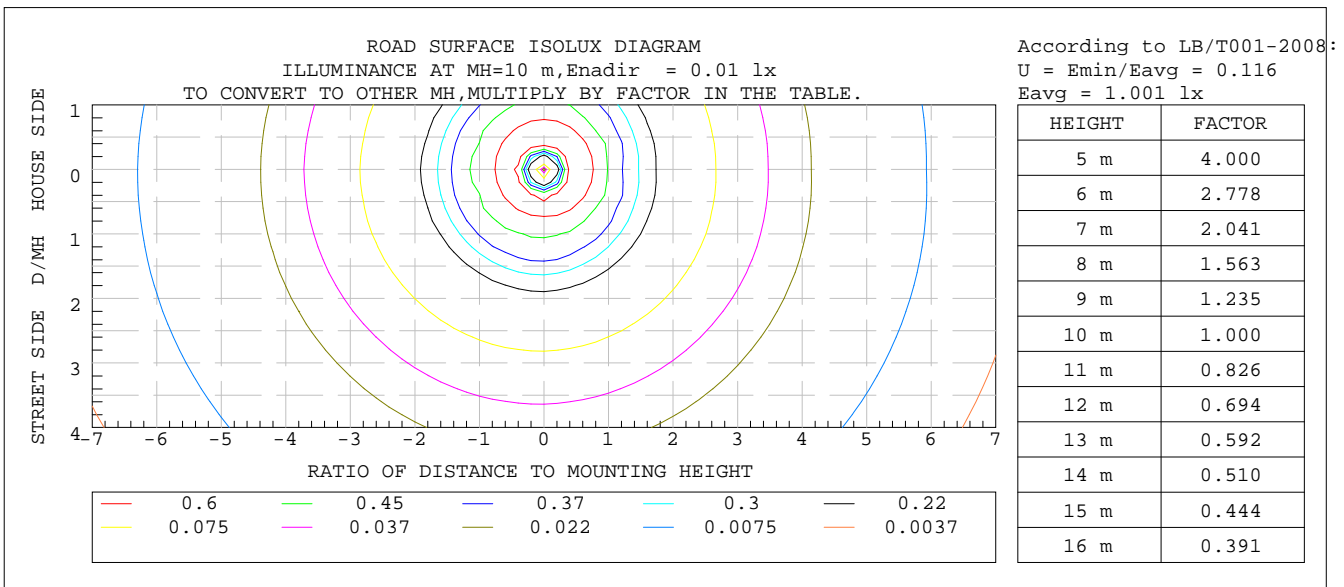
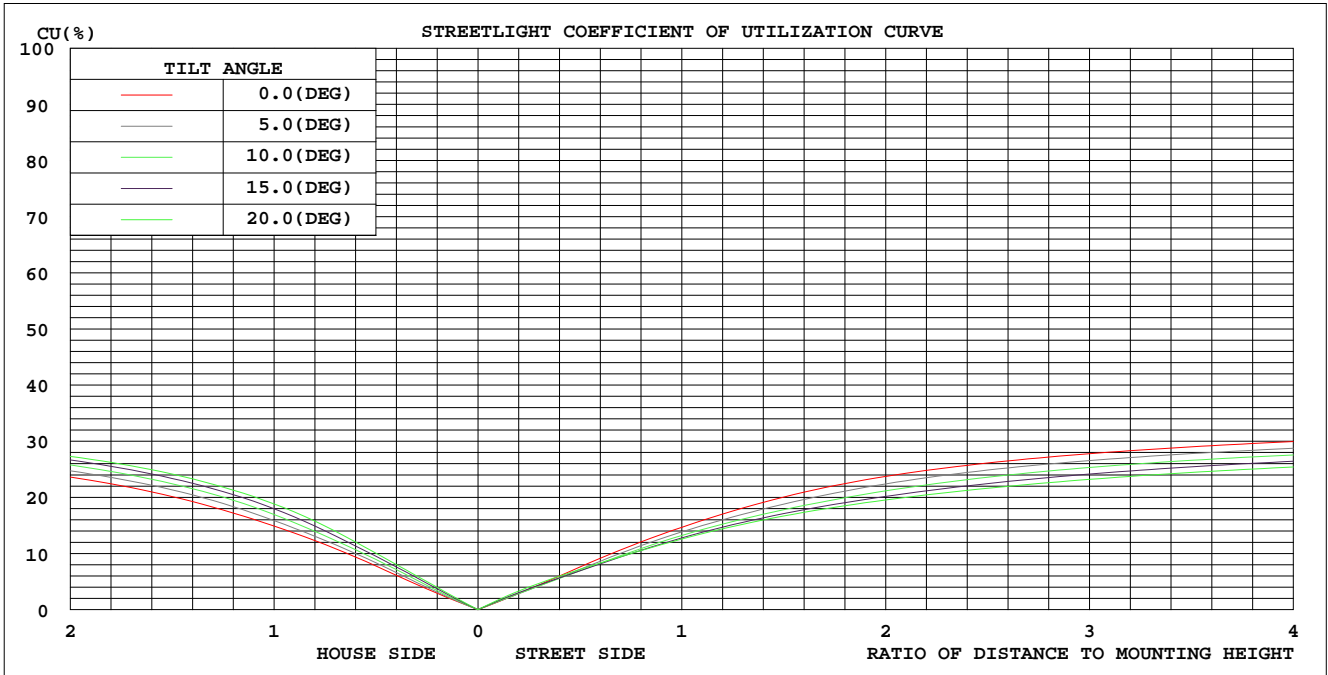
IES:Type V - Short  
 CIE:Broad - Intermediate  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:148.4cd/klm  
 Max.At90:110.4cd/klm  
 Max.80-90:148.4cd/klm  
 NRB 5101:Semi limited[15.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	226
90%	203
80%	181
70%	158
60%	136
50%	113
40%	90
30%	68
20%	45
10%	23
5%	11

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-05-29

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2021-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity: 65.0%  
Test Distance: 8.270m [K=1.0000]  
Remarks:

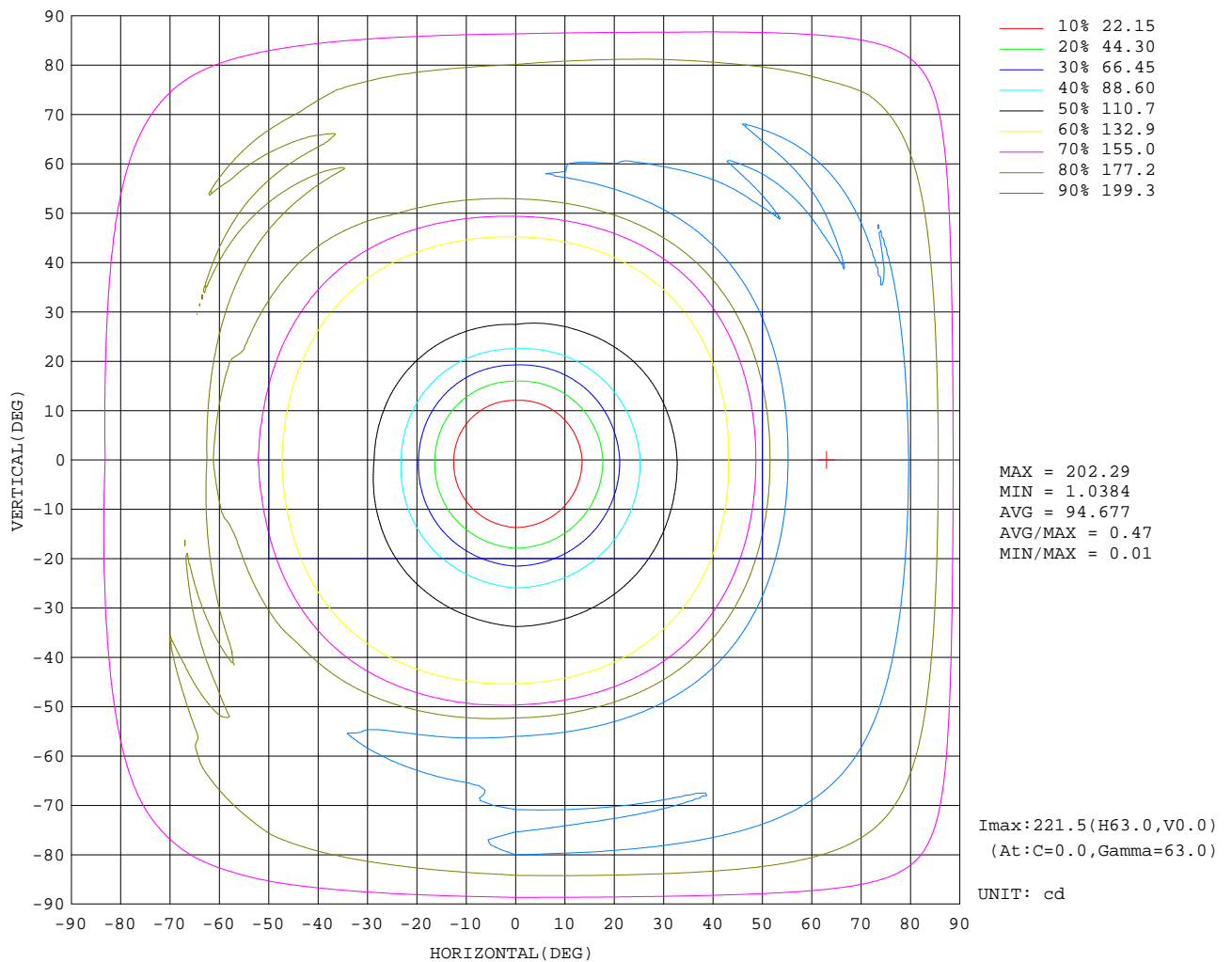
ZONAL FLUX DIAGRAM

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	8.403	7.308	10.33	11.59				0- 10	0.3582	0.3582	0.03,0.03
20	60.39	56.18	70.16	70.69				10- 20	10.57	10.93	0.80,0.80
30	108.2	100.9	115.5	112.8				20- 30	42.70	53.63	3.95,3.95
40	127.0	118.7	124.0	122.2				30- 40	72.97	126.6	9.31,9.31
50	169.5	153.3	144.4	157.6				40- 50	104.9	231.5	17,17
60	220.8	211.5	177.7	192.8				50- 60	165.6	397.1	29.2,29.2
70	213.9	197.2	172.8	180.3				60- 70	194.3	591.4	43.5,43.5
80	201.6	195.4	166.4	173.9				70- 80	200.3	791.8	58.3,58.3
90	150.0	146.6	142.6	140.6				80- 90	180.7	972.4	71.6,71.6
100	135.5	128.2	128.4	124.8				90-100	149.5	1122	82.6,82.6
110	95.47	89.61	88.17	87.81				100-110	118.0	1240	91.2,91.2
120	52.80	49.16	47.32	48.34				110-120	68.52	1309	96.3,96.3
130	21.74	21.08	19.13	22.04				120-130	30.75	1339	98.5,98.5
140	10.08	9.253	9.391	11.22				130-140	11.23	1350	99.4,99.4
150	6.927	5.846	5.845	6.837				140-150	5.124	1356	99.7,99.7
160	4.013	4.026	4.310	3.789				150-160	2.334	1358	99.9,99.9
170	2.543	2.374	2.323	2.244				160-170	0.9455	1359	100,100
180	1.215	1.172	1.215	1.177				170-180	0.1789	1359	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

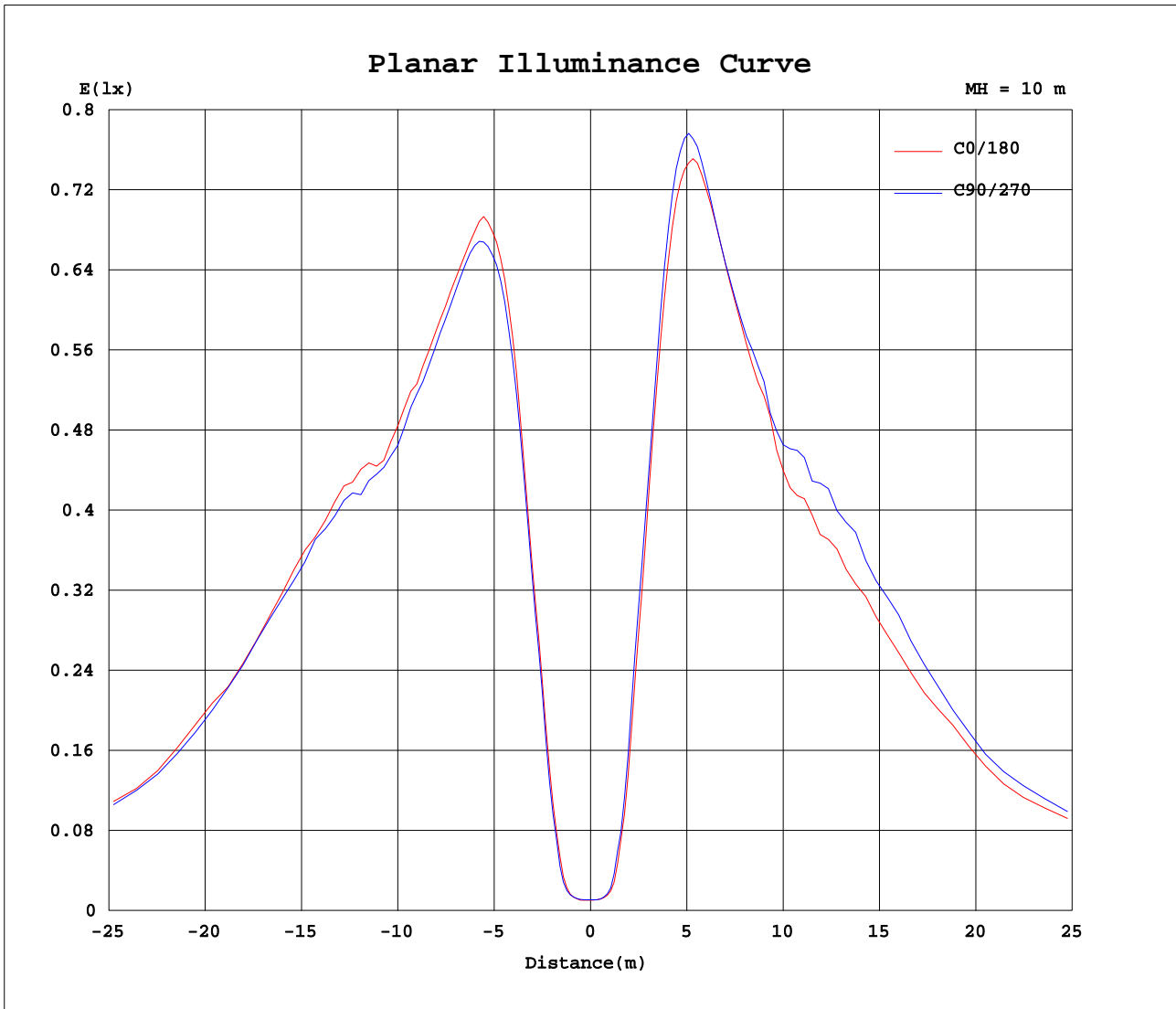
**ISOCANDELA DIAGRAM**



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2021-05-29

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.270m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



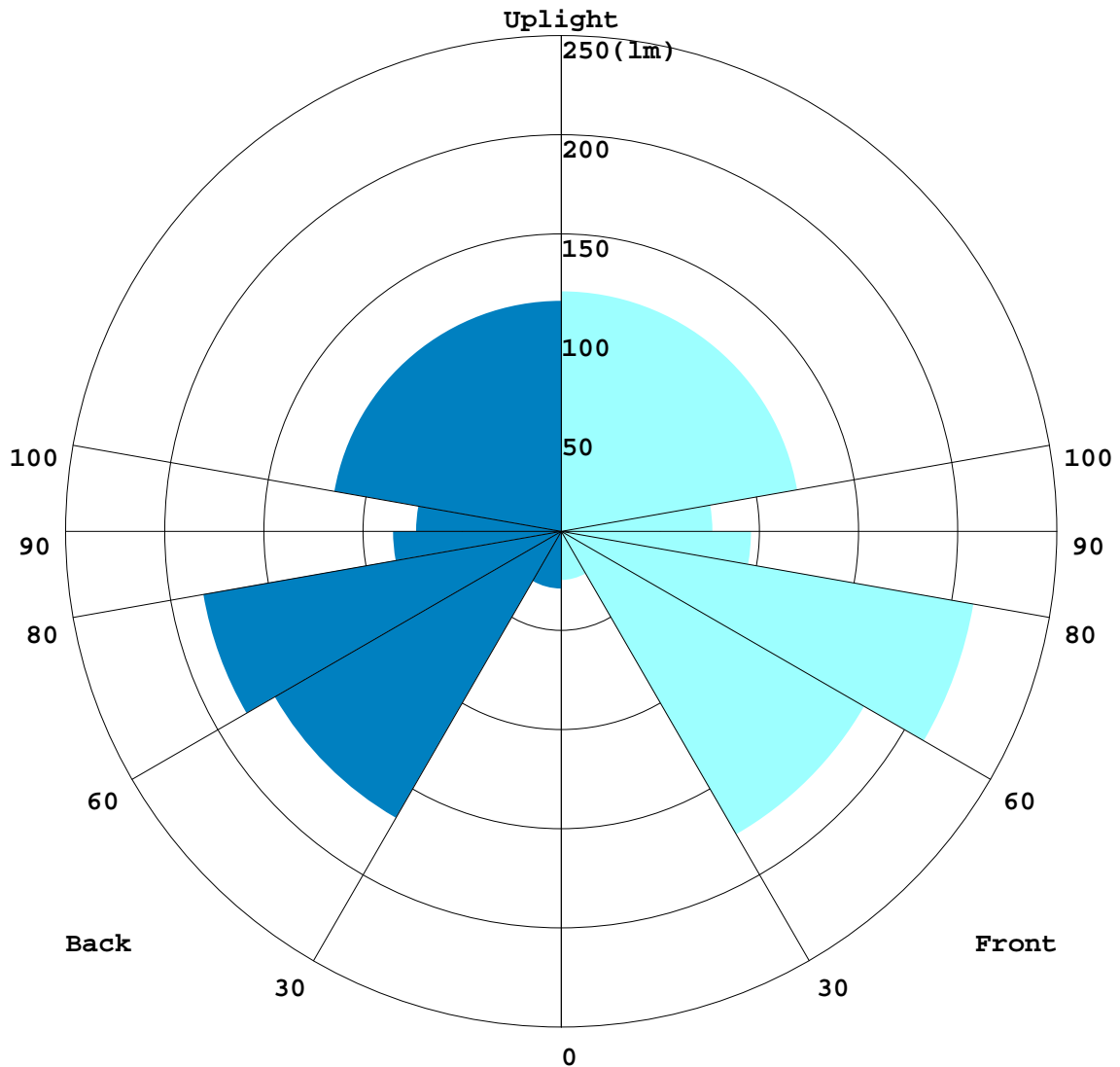
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2021-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.270m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:119.98V I:0.1894A P:22.583W PF:0.9939 Freq:59.98Hz Lamp Flux:1359.07x1 lm		
NAME: DD147 GD331 22W 5K 120V 圆形平顶格栅	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:119.98V I:0.1894A P:22.583W PF:0.9939 Freq:59.98Hz Lamp Flux:1359.07x1 lm		
NAME: DD147 GD331 22W 5K 120V 圆形平顶格栅	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	24.681	1.8
FM - Front-Medium(30-60)	176.6	13.0
FH - Front-High(60-80)	211.31	15.5
FVH - Front-Very High(80-90)	95.875	7.1
<b>Total Forward Light</b>	<b>705.79</b>	<b>51.9</b>

BL - Back-Low(0-30)	28.951	2.1
BM - Back-Medium(30-60)	166.87	12.3
BH - Back-High(60-80)	183.35	13.5
BVH - Back-Very High(80-90)	84.782	6.2
<b>Total Back Light</b>	<b>653.27</b>	<b>48.1</b>

UL - Uplight-Low(90-100)	149.54	11.0
UH - Uplight-High(100-180)	237.11	17.4
<b>Total Up Light</b>	<b>386.65</b>	<b>28.4</b>

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	463.95	189.32	653.27
Street Side	508.46	197.33	705.79

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-05-29

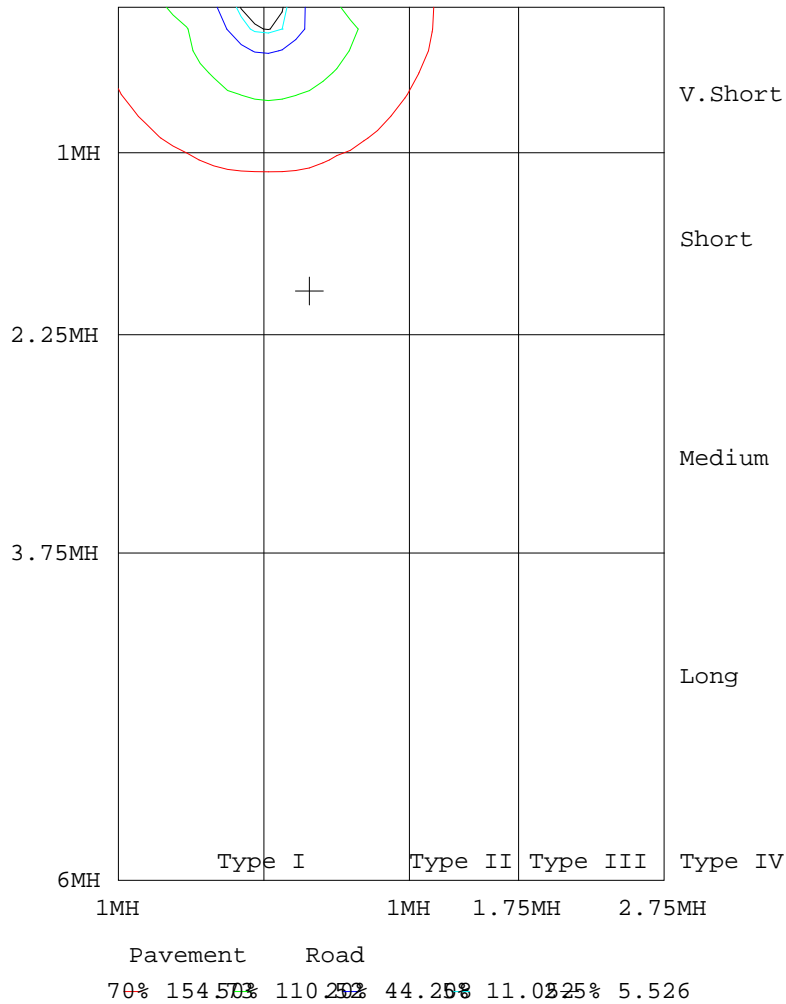
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:



**ROAD ISOCANDELA REPORT**

Test:U:119.98V I:0.1894A P:22.583W PF:0.9939 Freq:59.98Hz Lamp Flux:1359.07x1 lm		
NAME: DD147 GD331 22W 5K 120V 圆形平顶格栅	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	90	180	270															
0	1.06	1.06	1.06	1.06															
5	1.39	1.34	1.59	1.67															
10	8.40	7.31	10.3	11.6															
15	30.6	28.0	36.3	37.8															
20	60.4	56.2	70.2	70.7															
25	89.3	82.9	99.8	99.9															
30	108	101	116	113															
35	117	110	120	115															
40	127	119	124	122															
45	140	129	127	129															
50	169	153	144	158															
55	202	193	170	182															
60	221	212	178	193															
65	220	204	171	180															
70	214	197	173	180															
75	215	195	175	182															
80	202	195	166	174															
85	184	171	155	161															
90	150	147	143	141															
95	142	135	135	132															
100	135	128	128	125															
105	117	112	111	109															
110	95.5	89.6	88.2	87.8															
115	70.9	68.2	65.7	67.7															
120	52.8	49.2	47.3	48.3															
125	34.6	33.0	30.7	33.5															
130	21.7	21.1	19.1	22.0															
135	14.6	13.5	12.4	14.8															
140	10.08	9.25	9.39	11.2															
145	8.44	7.38	7.60	8.95															
150	6.93	5.85	5.85	6.84															
155	4.88	4.69	4.87	4.92															
160	4.01	4.03	4.31	3.79															
165	3.38	3.34	3.42	2.97															
170	2.54	2.37	2.32	2.24															
175	1.80	1.60	1.62	1.58															
180	1.22	1.17	1.22	1.18															

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2021-05-29

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks: