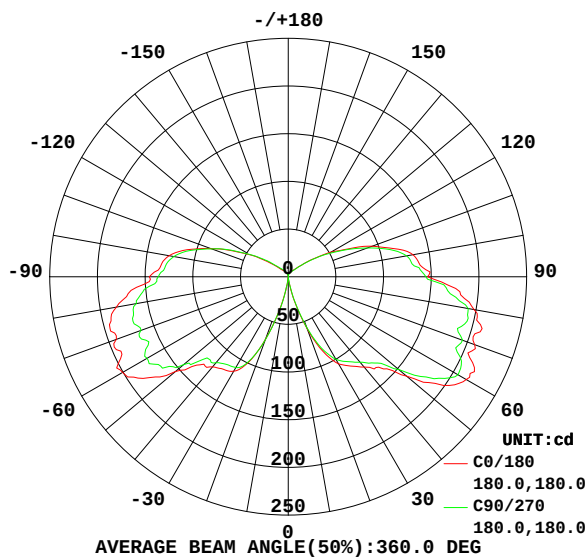
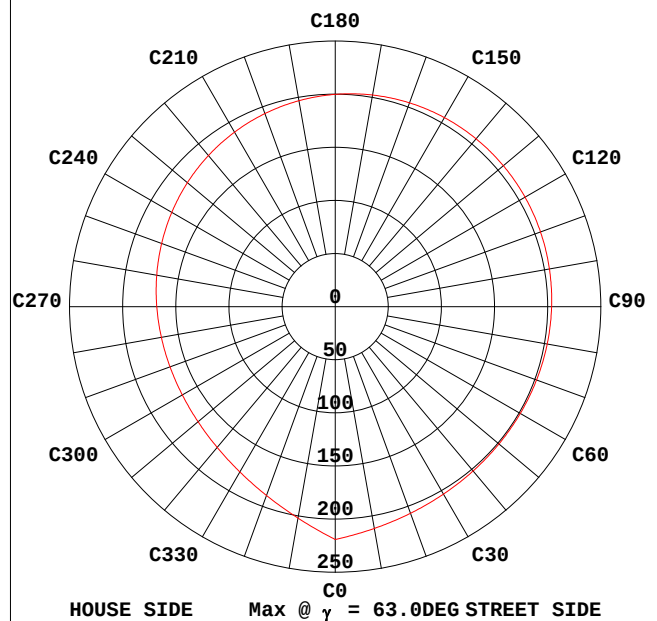


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.97V I:0.1833A P:21.855W PF:0.9936 Freq:59.98Hz Lamp Flux:1339.84x1 lm		
NAME: DD147 GD331 22W 4K 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:

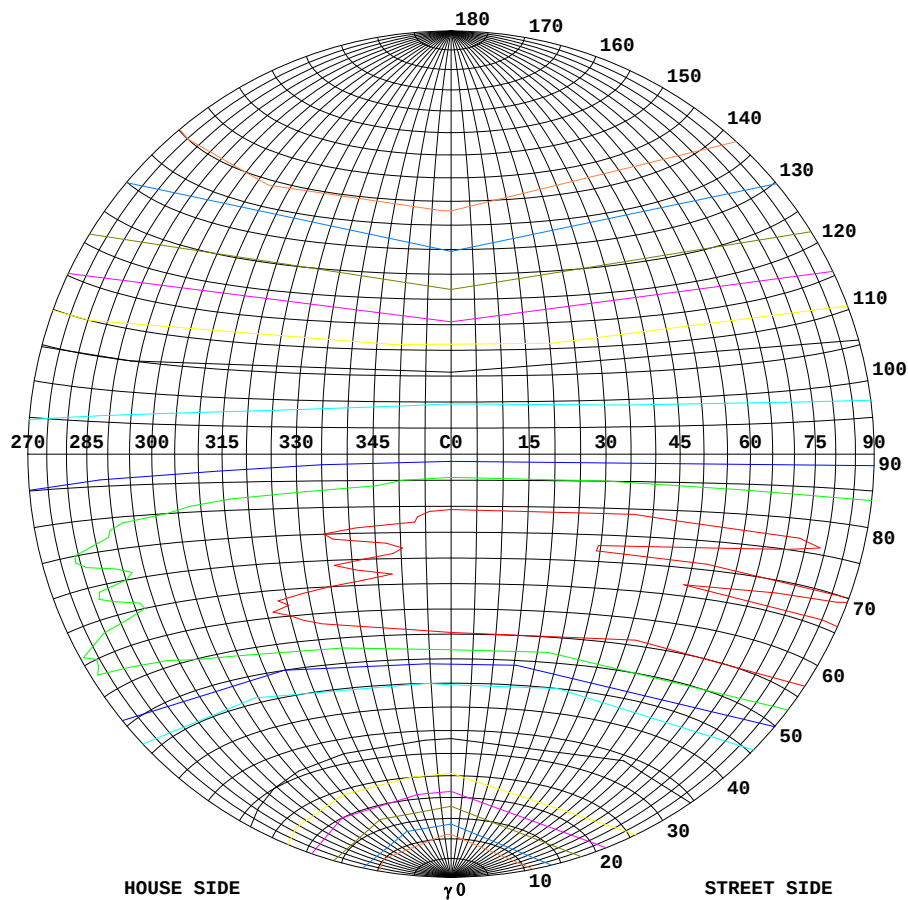
DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.31 lm/W			
MODEL		Imax(cd)	219.2	η street_up(%)	14.5
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	37.1
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1340	η house_up(%)	13.9
NOMINAL FLUX(lm)	1339.84	MAXIMUM @(C, γ)	0,63.0	η house_down(%)	34.6
LAMPS INSIDE	1	η up(%)	28.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220	η down(%)	71.7	SLI	20.120

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION 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 G0-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.270m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

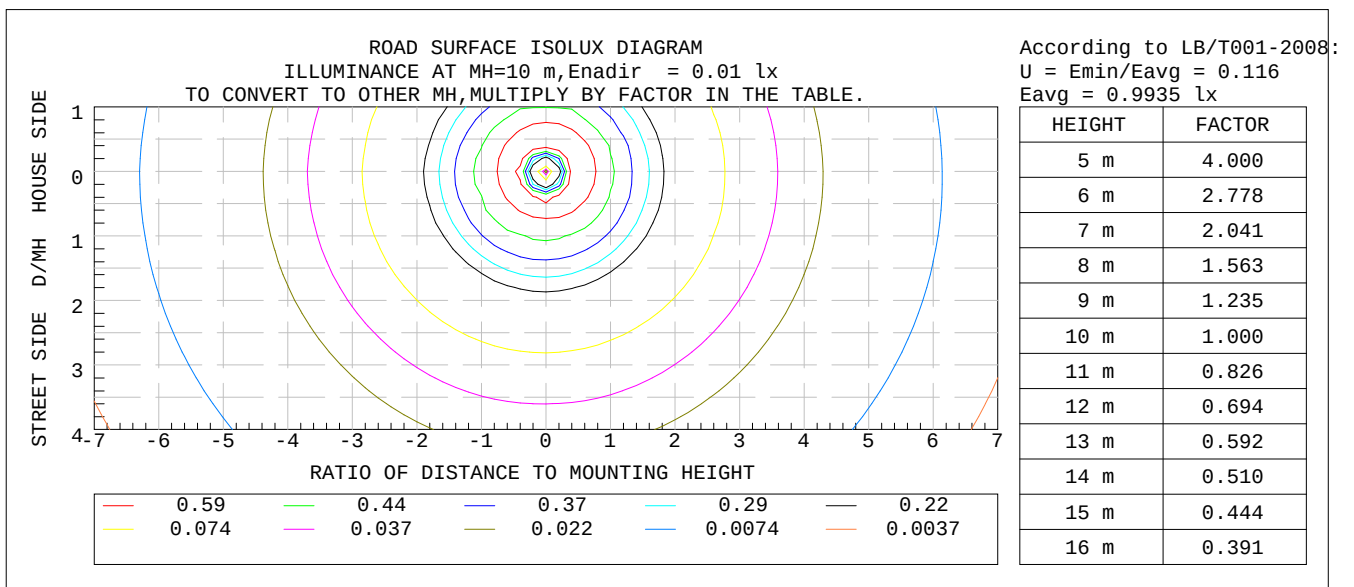
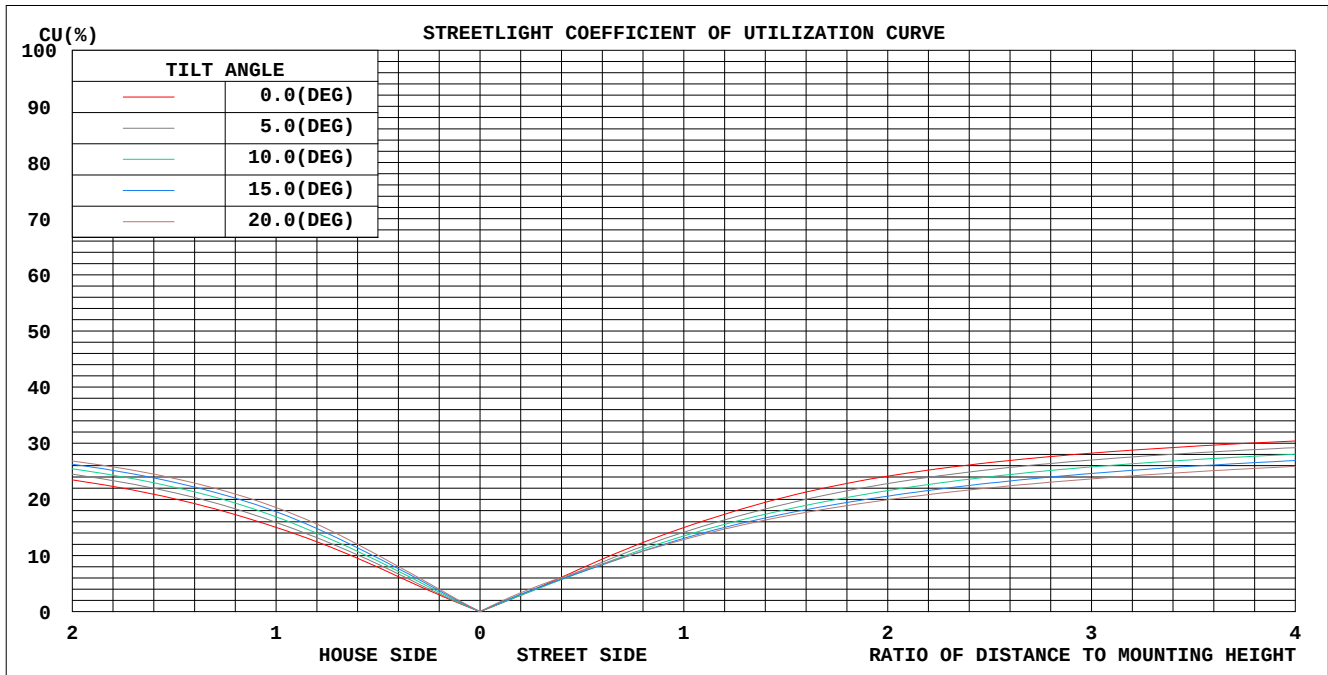
IES:Type V - Short
 CIE:Broad - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:147.6cd/klm
 Max.At90:109.1cd/klm
 Max.80-90:147.6cd/klm
 NRB 5101:Semi limited[15.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	219
90%	197
80%	175
70%	153
60%	132
50%	110
40%	88
30%	66
20%	44
10%	22
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 G0-2000B_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 G0-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.270m [K=1.0000]
Remarks:

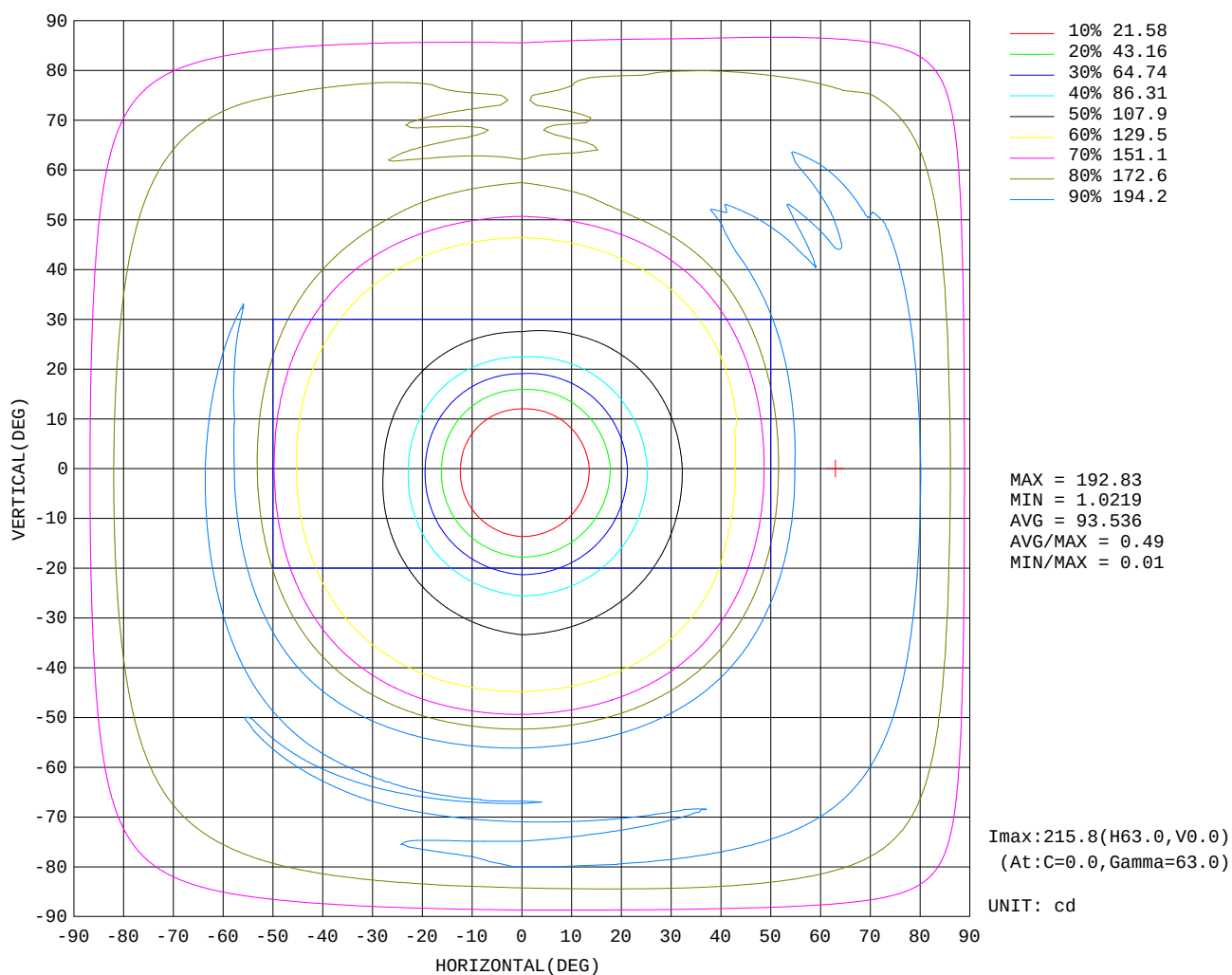
ZONAL FLUX DIAGRAM

γ	C0	C90	C180	C270					γ	ϕ zone	ϕ total	%lum, lamp
10	7.931	7.239	10.72	11.69					0- 10	0.3543	0.3543	0.03,0.03
20	57.90	55.89	69.79	70.19					10- 20	10.45	10.80	0.81,0.81
30	105.5	100.0	114.5	109.9					20- 30	42.02	52.82	3.94,3.94
40	123.7	117.0	123.3	117.8					30- 40	71.59	124.4	9.29,9.29
50	162.3	151.6	154.6	143.4					40- 50	102.7	227.1	17,17
60	215.6	205.6	200.6	170.9					50- 60	162.7	389.8	29.1,29.1
70	207.8	194.6	191.8	164.3					60- 70	192.1	581.9	43.4,43.4
80	197.7	191.5	182.9	161.8					70- 80	199.2	781.1	58.3,58.3
90	146.2	144.3	145.7	136.4					80- 90	178.9	960.0	71.7,71.7
100	132.9	126.2	127.1	121.9					90-100	147.2	1107	82.6,82.6
110	93.75	88.47	86.73	85.73					100-110	116.0	1223	91.3,91.3
120	51.77	48.59	46.25	47.09					110-120	67.21	1290	96.3,96.3
130	21.17	21.00	18.60	21.38					120-130	30.12	1320	98.6,98.6
140	9.768	9.266	9.090	10.88					130-140	10.99	1331	99.4,99.4
150	6.694	5.858	5.678	6.646					140-150	5.008	1336	99.7,99.7
160	3.899	4.008	4.183	3.711					150-160	2.285	1339	99.9,99.9
170	2.475	2.343	2.256	2.206					160-170	0.9266	1340	100,100
180	1.187	1.151	1.181	1.156					170-180	0.1753	1340	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

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.270m [K=1.0000]
Remarks:

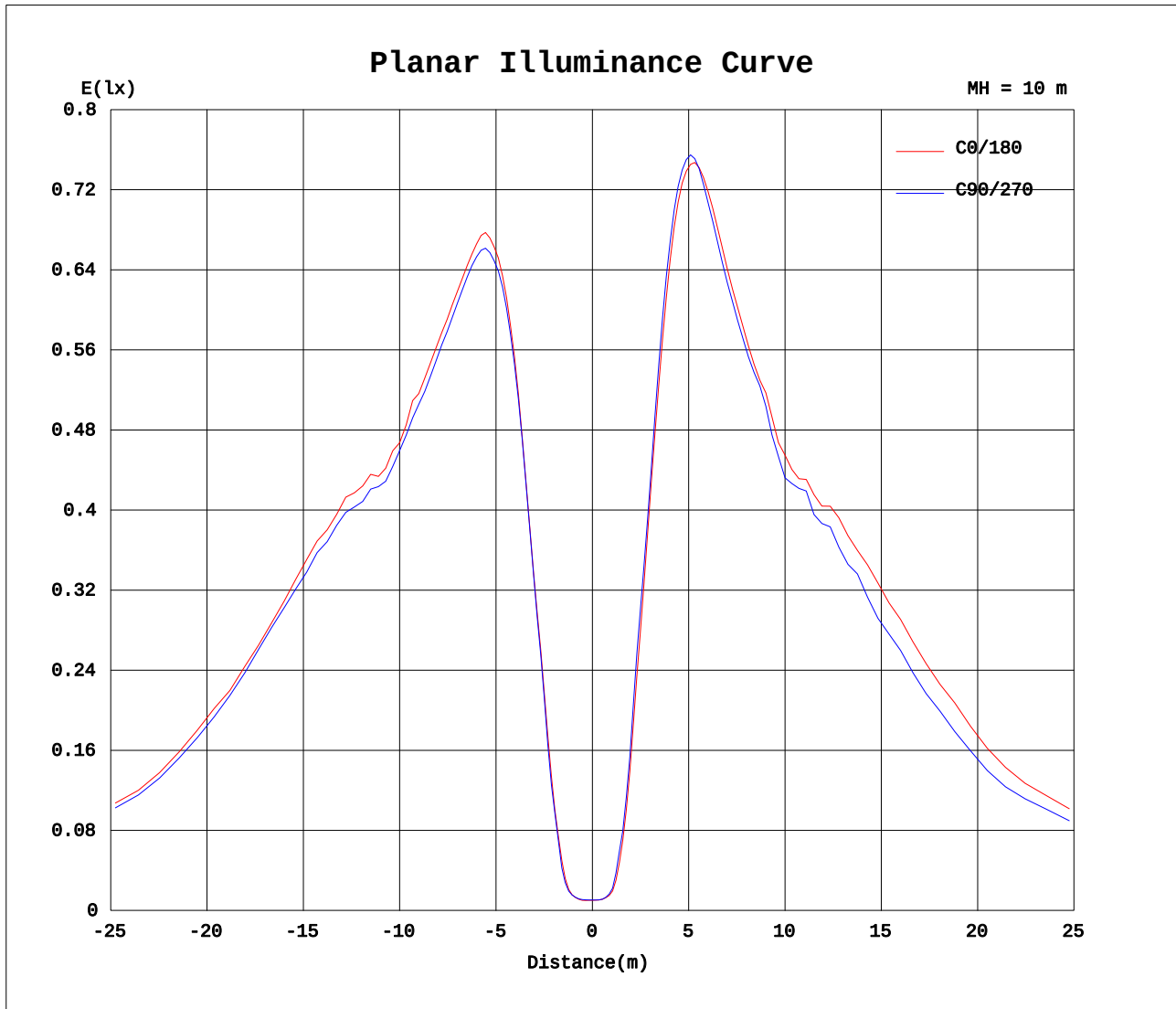
ISOCANDELA DIAGRAM



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 G0-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.270m [K=1.0000]
 Remarks:

Planar Illuminance Curve



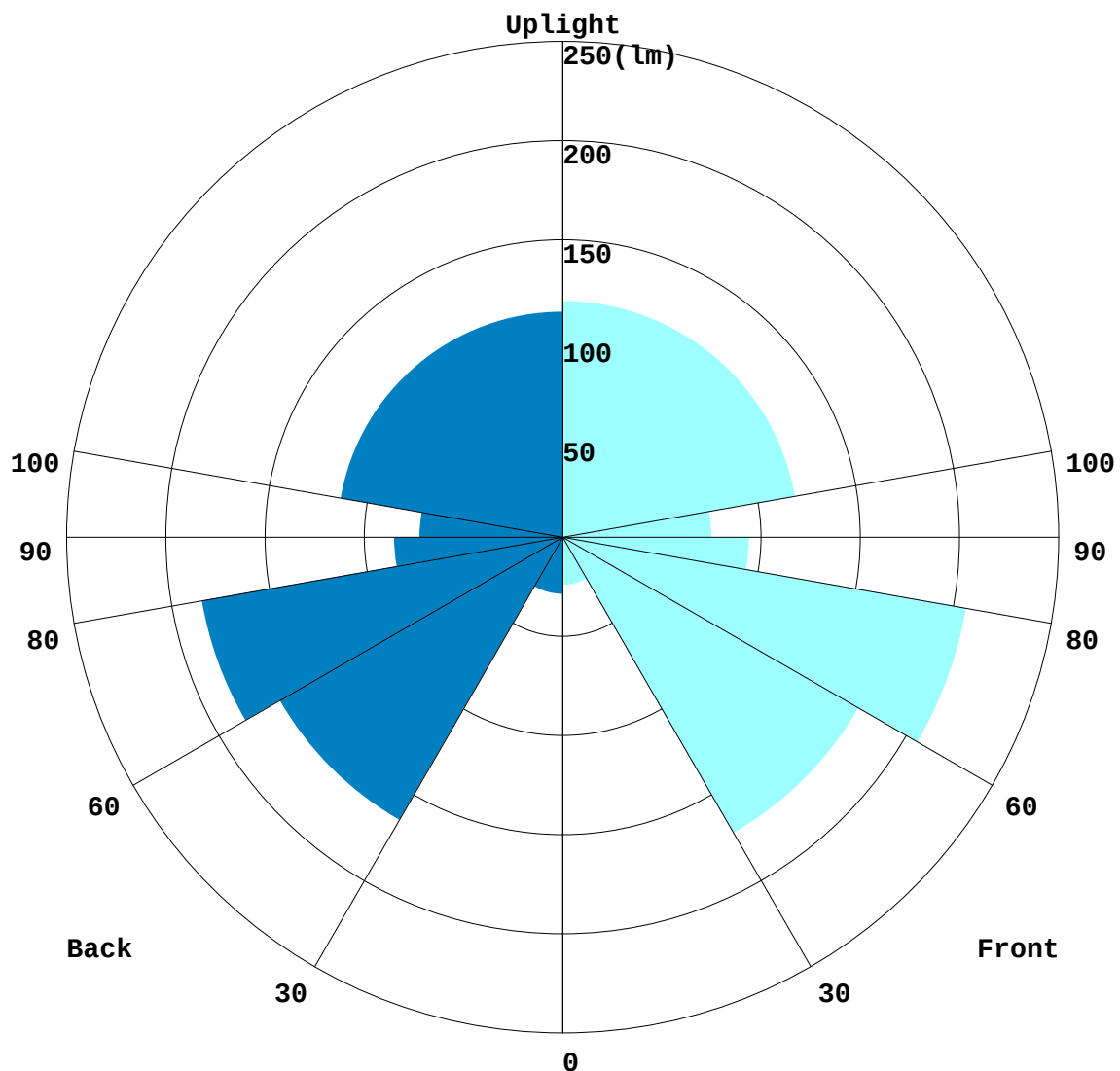
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-05-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.27m [K=1.0000]
Remarks:

LCS REPORT

Test:U:119.97V I:0.1833A P:21.855W PF:0.9936 Freq:59.98Hz Lamp Flux:1339.84x1 lm		
NAME: DD147 GD331 22W 4K 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

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.270m [K=1.0000]
Remarks:

BUG REPORT

Test:U:119.97V I:0.1833A P:21.855W PF:0.9936 Freq:59.98Hz Lamp Flux:1339.84x1 lm		
NAME: DD147 GD331 22W 4K 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)	24.194	1.8
FM - Front-Medium(30-60)	172.31	12.9
FH - Front-High(60-80)	206.59	15.4
FVH - Front-Very High(80-90)	93.967	7.0
Total Forward Light	691.1	51.6

BL - Back-Low(0-30)	28.628	2.1
BM - Back-Medium(30-60)	164.67	12.3
BH - Back-High(60-80)	184.69	13.8
BVH - Back-Very High(80-90)	84.956	6.3
Total Back Light	648.74	48.4

UL - Uplight-Low(90-100)	147.17	11.0
UH - Uplight-High(100-180)	232.68	17.4
Total Up Light	379.84	28.3

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	462.94	185.81	648.74
Street Side	497.06	194.04	691.1

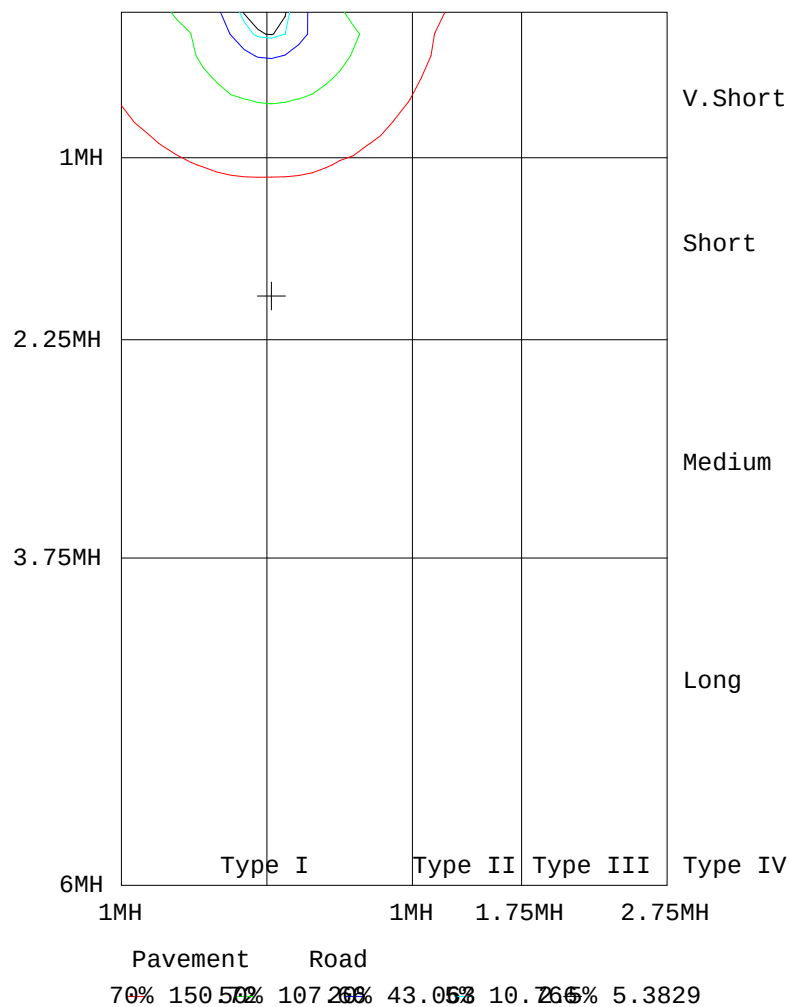
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-05-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.270m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.97V I:0.1833A P:21.855W PF:0.9936 Freq:59.98Hz Lamp Flux:1339.84x1 lm		
NAME: DD147 GD331 22W 4K 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

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_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	1.05	1.05	1.05	1.05														
5	1.35	1.33	1.56	1.66														
10	7.93	7.24	10.7	11.7														
15	29.3	27.9	36.7	37.5														
20	57.9	55.9	69.8	70.2														
25	86.6	82.4	99.2	97.9														
30	105	100	114	110														
35	114	109	119	112														
40	124	117	123	118														
45	134	128	131	120														
50	162	152	155	143														
55	199	187	186	163														
60	216	206	201	171														
65	213	199	192	161														
70	208	195	192	164														
75	210	192	194	169														
80	198	192	183	162														
85	181	168	166	152														
90	146	144	146	136														
95	139	133	134	129														
100	133	126	127	122														
105	115	111	110	107														
110	93.8	88.5	86.7	85.7														
115	69.4	67.3	64.4	66.0														
120	51.8	48.6	46.2	47.1														
125	33.9	32.8	30.0	32.5														
130	21.2	21.0	18.6	21.4														
135	14.2	13.5	12.0	14.3														
140	9.77	9.27	9.09	10.9														
145	8.18	7.39	7.39	8.69														
150	6.69	5.86	5.68	6.65														
155	4.74	4.68	4.75	4.81														
160	3.90	4.01	4.18	3.71														
165	3.28	3.30	3.32	2.91														
170	2.48	2.34	2.26	2.21														
175	1.75	1.58	1.58	1.56														
180	1.19	1.15	1.18	1.16														

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 G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.270m [K=1.0000]
Remarks: