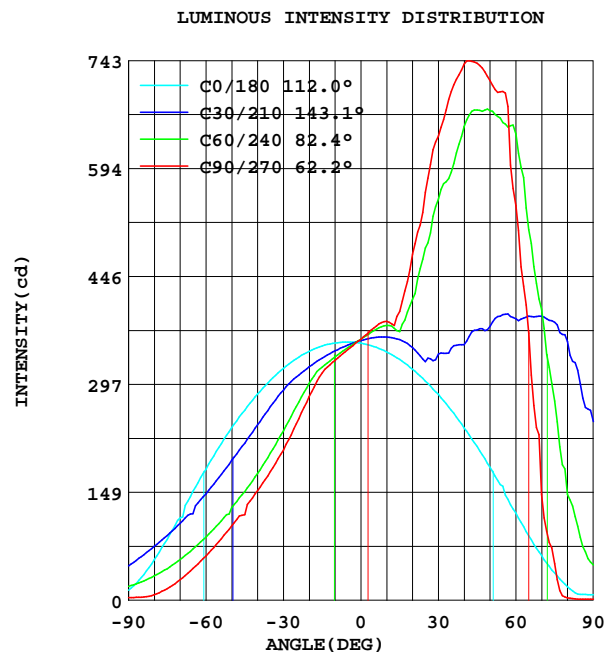
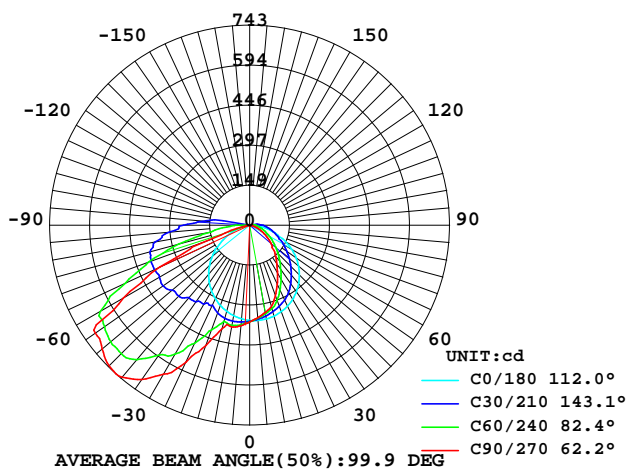


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE: LED BOLLARD	WEIGHT:
SPECIFICATION: DLW-LED-047A	CCT(K): 0	DIMENSION:	SERIAL No.:

MODEL:		Imax(cd):	742.9	Effective Flux(lm):	1535.7
NOMINAL POWER(W):	20	MAXIMUM(C, γ):	270, 42.0	EEI	0.178
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	219.8
NOMINAL FLUX(lm):	1603.1	η street_up(%):	0.5	Current(A)	0.094
TEST FLUX(lm):	1603	η street_down(%):	25.7	Power(W)	20.11
LAMPS QUANTITY:	1	η house_up(%):	2.6	Power Factor	0.969
TOTAL RADIANT(mw):	1603	η house_down(%):	71.1	EFFICIENCY(lm/W)	79.7



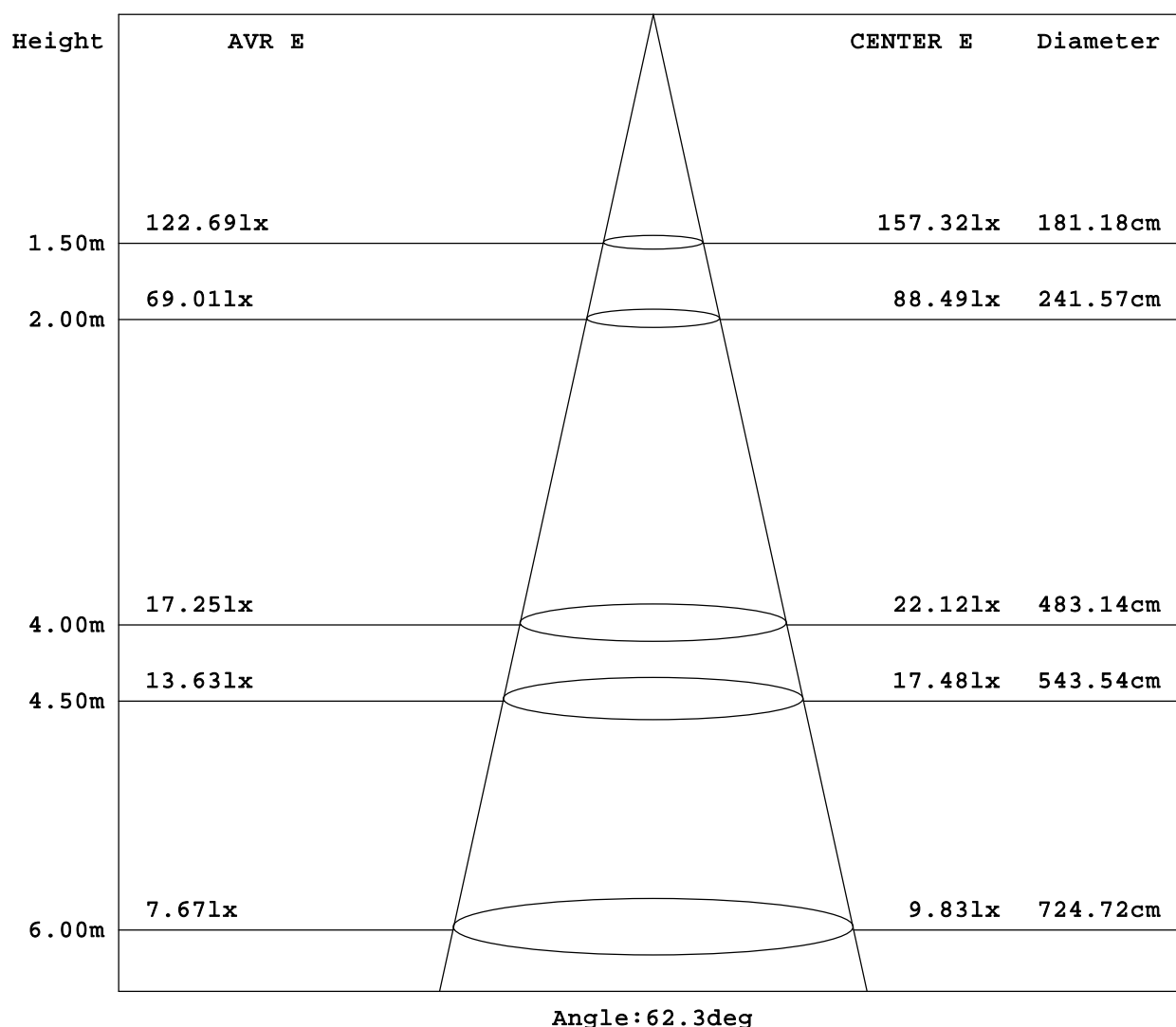
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年06月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE: LED BOLLARD	WEIGHT:
SPECIFICATION: DLW-LED-047A	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年06月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.000 m
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE: LED BOLLARD	WEIGHT:
SPECIFICATION: DLW-LED-047A	CCT(K): 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	355.5	345.6	345.3	341.1	349.4	363.8	374.7	364.3	0- 5	8.500	8.500
10.0	354.1	334.5	330.3	327.8	341.8	369.2	384.0	373.3	5- 10	25.32	33.82
15.0	350.0	321.3	312.9	312.5	331.5	365.1	397.8	375.8	10- 15	41.32	75.14
20.0	342.8	307.0	280.4	294.1	318.0	364.2	476.4	374.2	15- 20	56.88	132.0
25.0	332.5	282.0	242.8	265.1	301.6	387.2	561.7	401.9	20- 25	72.81	204.8
30.0	319.0	253.1	207.0	234.5	283.4	435.8	638.9	455.9	25- 30	89.14	293.9
35.0	303.1	224.9	177.3	206.0	261.7	490.0	700.5	510.3	30- 35	104.4	398.3
40.0	283.9	196.7	150.9	178.1	237.4	513.3	737.8	541.6	35- 40	118.3	516.7
45.0	261.6	170.6	118.0	154.5	211.7	550.8	739.0	577.8	40- 45	129.5	646.2
50.0	237.7	153.8	102.6	129.1	183.0	559.2	715.4	587.7	45- 50	136.3	782.6
55.0	210.4	124.4	80.80	108.6	157.0	574.8	700.4	603.0	50- 55	140.1	922.7
60.0	180.6	105.3	60.90	90.50	120.0	576.3	543.3	598.9	55- 60	139.7	1062
65.0	149.8	88.78	43.75	75.16	88.98	577.6	367.8	591.4	60- 65	128.2	1191
70.0	113.5	73.54	28.32	61.29	61.73	514.3	145.6	563.7	65- 70	109.9	1301
75.0	84.03	60.41	15.97	49.39	37.58	411.9	50.32	469.5	70- 75	88.47	1389
80.0	55.81	49.34	7.791	39.39	18.57	330.7	3.430	397.6	75- 80	68.78	1458
85.0	31.35	39.39	4.165	30.57	8.232	245.3	1.519	299.8	80- 85	53.53	1511
90.0	13.72	30.91	3.822	23.51	7.595	176.8	1.372	207.6	85- 90	40.58	1552
95.0	10.73	24.20	3.822	17.93	6.811	107.4	1.421	144.5	90- 95	30.00	1582
100.0	8.183	18.52	3.724	13.32	6.419	67.22	1.813	108.4	95-100	19.66	1602
105.0	0	0	0	0	0	0	0	0	100-105	1.390	1603
110.0	0	0	0	0	0	0	0	0	105-110	0	1603
115.0	0	0	0	0	0	0	0	0	110-115	0	1603
120.0	0	0	0	0	0	0	0	0	115-120	0	1603
125.0	0	0	0	0	0	0	0	0	120-125	0	1603
130.0	0	0	0	0	0	0	0	0	125-130	0	1603
135.0	0	0	0	0	0	0	0	0	130-135	0	1603
140.0	0	0	0	0	0	0	0	0	135-140	0	1603
145.0	0	0	0	0	0	0	0	0	140-145	0	1603
150.0	0	0	0	0	0	0	0	0	145-150	0	1603
155.0	0	0	0	0	0	0	0	0	150-155	0	1603
160.0	0	0	0	0	0	0	0	0	155-160	0	1603
165.0	0	0	0	0	0	0	0	0	160-165	0	1603
170.0	0	0	0	0	0	0	0	0	165-170	0	1603
175.0	0	0	0	0	0	0	0	0	170-175	0	1603
180.0	0	0	0	0	0	0	0	0	175-180	0	1603
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

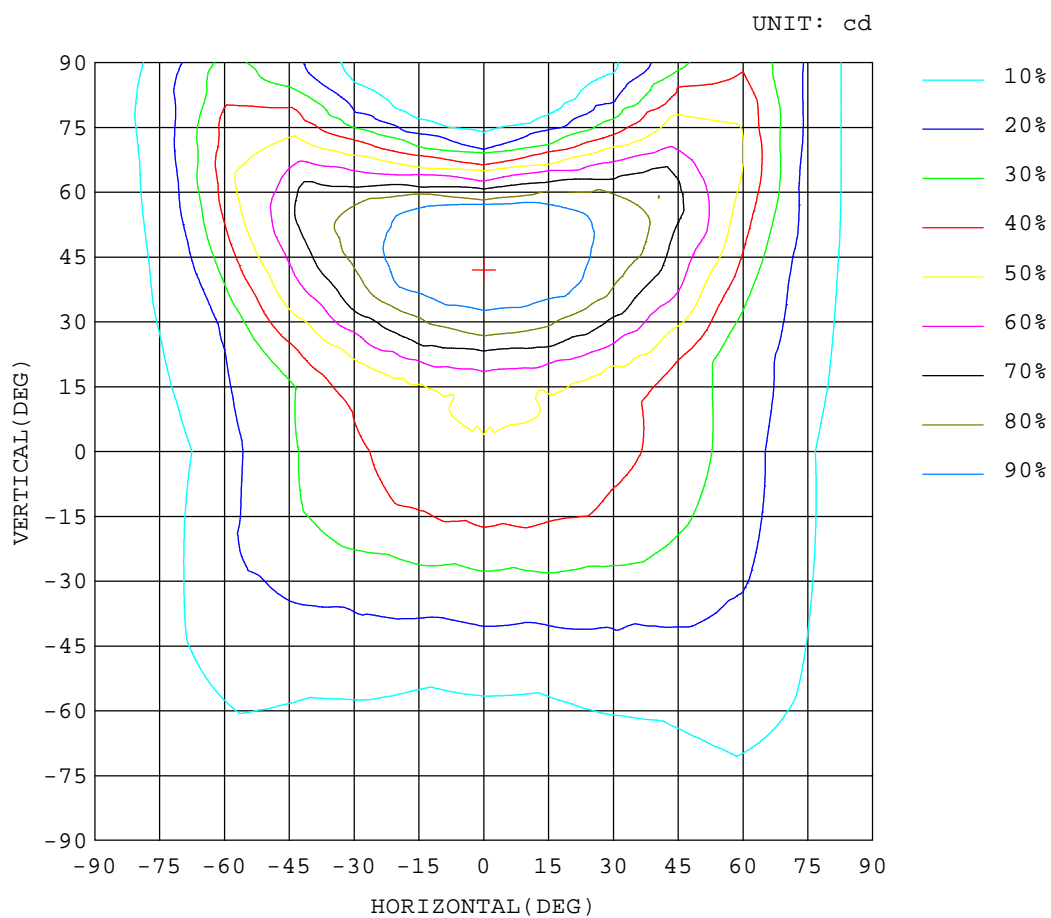
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2021年06月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE: LED BOLLARD	WEIGHT:
SPECIFICATION: DLW-LED-047A	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年06月24日

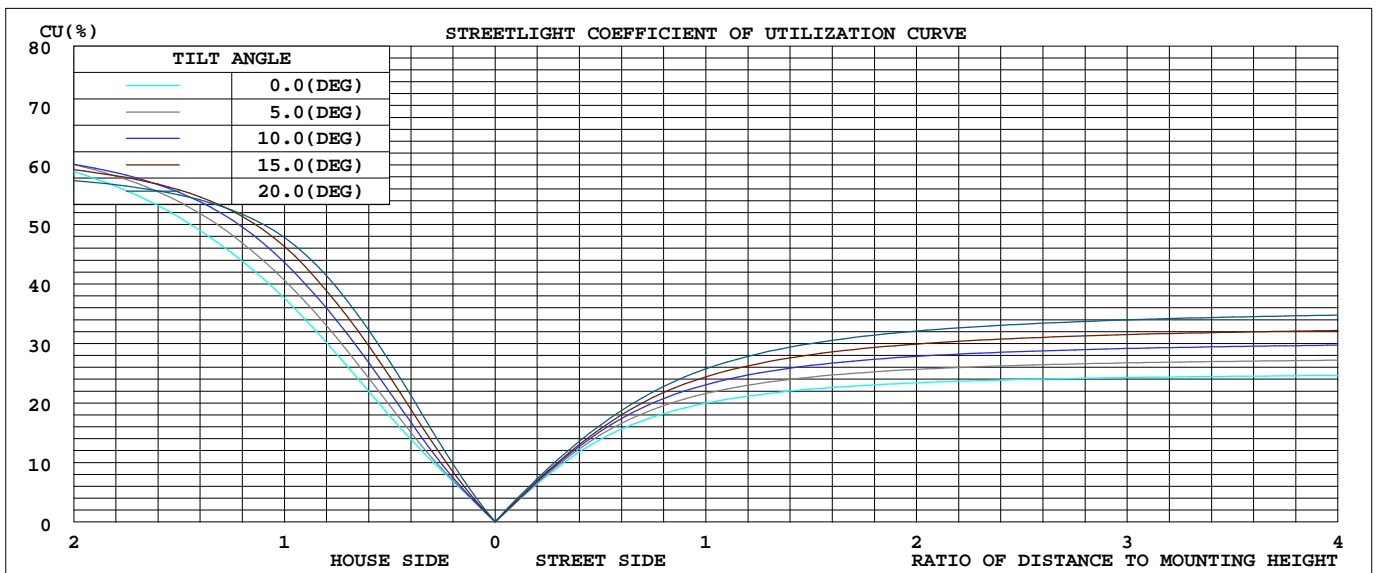
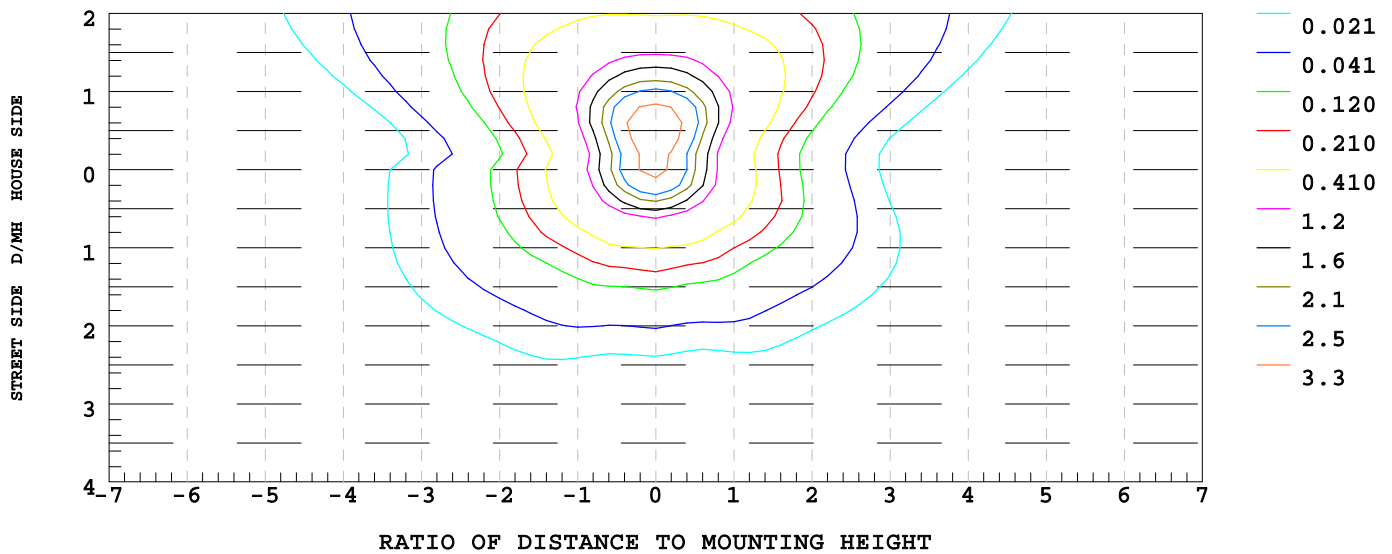
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:	TYPE: LED BOLLARD		WEIGHT:
SPECIFICATION: DLW-LED-047A	CCT(K): 0	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 3.54 lx



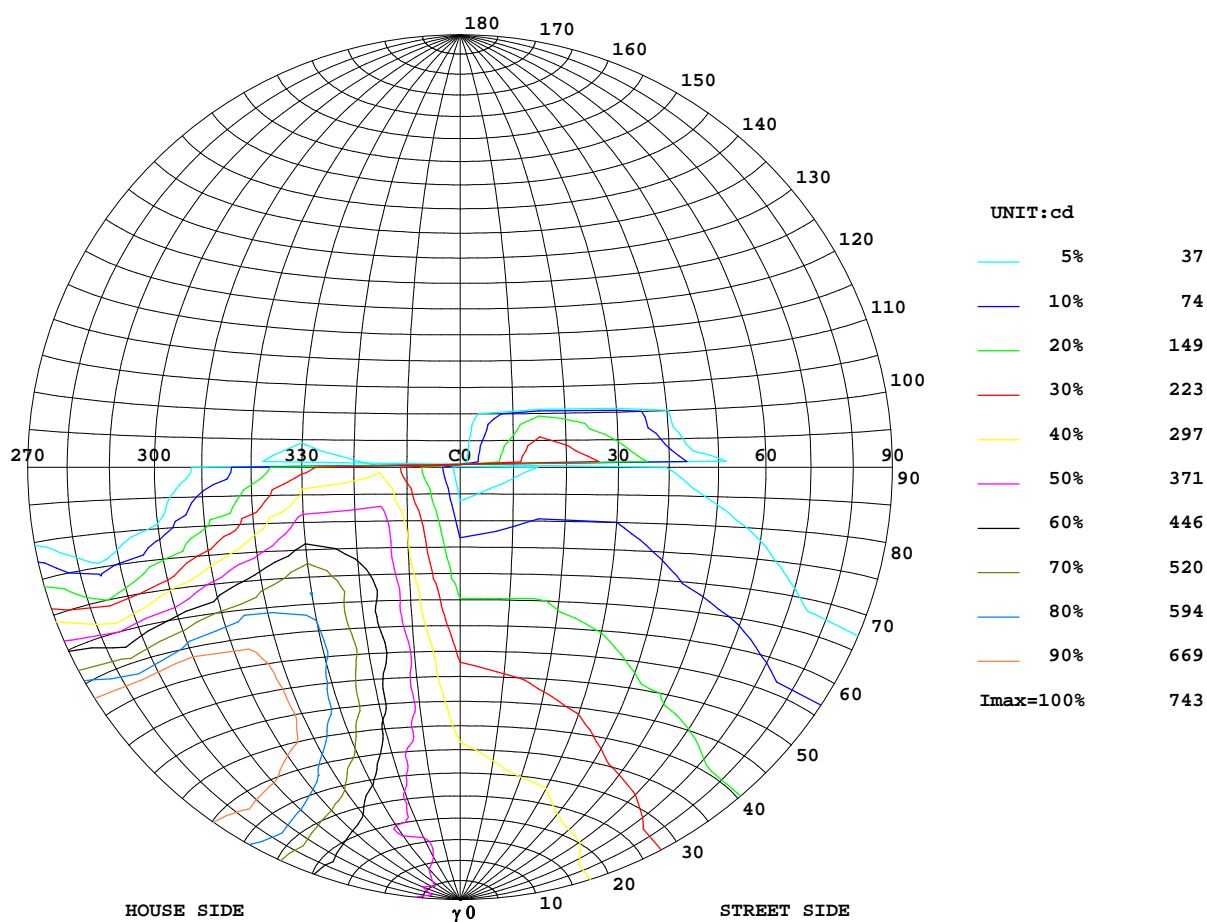
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年06月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE: LED BOLLARD	WEIGHT:
SPECIFICATION: DLW-LED-047A	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年06月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.000 m
Remarks: