Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P761667

Luminaire Tested: LD6D15D010-EU6DR600215IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method:	LM-79-2019
Report Number:	P761667
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD6D15D010-EU6DR600215IC9035-6LBS1B
Description:	6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1458.3 lumens
Efficiency:	N/A
Efficacy:	92.3 lumens/watt
Spacing Criteria (0/90/45):	0.98 / 0.98 / 0.92
Luminous Opening:	Circular (Dia: 0.35' x H: 0')
CIE Type:	Direct

Input Watts (W):	15.8
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

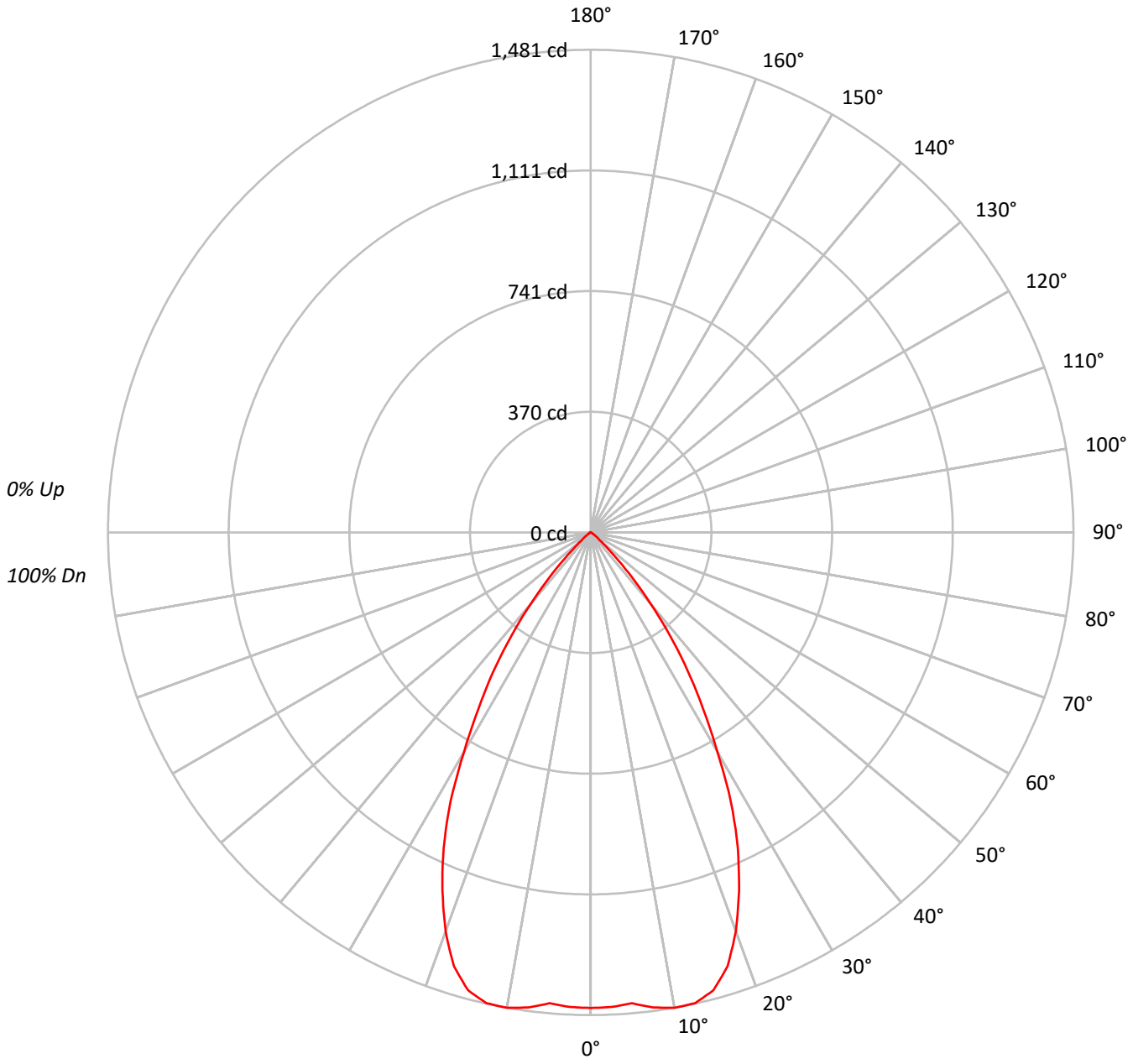
Downlight

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P761667
CATALOG NUMBER: LD6D15D010-EU6DR600215IC9035-6LBS1B

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P761667
CATALOG NUMBER: LD6D15D010-EU6DR600215IC9035-6LBS1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159455
5°	159066
10°	164356
15°	164526
20°	151376
25°	128754
30°	98105
35°	69372
40°	40735
45°	16441
50°	5490
55°	2648
60°	1093
65°	155
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 16441 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P761667
CATALOG NUMBER: LD6D15D010-EU6DR600215IC9035-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	9.6
10°-20°	402.9	27.6
20°-30°	482.3	33.1
30°-40°	322.5	22.1
40°-50°	95.6	6.6
50°-60°	13.8	0.9
60°-70°	1.3	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1025.1	70.3
0°-40°	1347.6	92.4
0°-60°	1457.0	99.9
0°-90°	1458.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1458.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1459	
5°	1450	140
15°	1454	403
25°	1068	482
35°	520	323
45°	106	96
55°	14	14
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P761667
CATALOG NUMBER: LD6D15D010-EU6DR600215IC9035-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	*1459.4*
2.5°	*1457.6*
5°	*1450.3*
7.5°	*1470.0*
10°	*1481.4*
12.5°	*1479.3*
15°	*1454.5*
17.5°	*1395.9*
20°	*1301.9*
22.5°	*1189.1*
25°	*1068.0*
27.5°	*931.6*
30°	*777.6*
32.5°	*640.2*
35°	*520.1*
37.5°	*399.9*
40°	*285.6*
42.5°	*188.3*
45°	*106.4*
47.5°	*54.4*
50°	*32.3*
52.5°	*20.9*
55°	*13.9*
57.5°	*8.9*
60°	*5.0*
62.5°	*2.1*
65°	*0.6*
67.5°	*0.2*
70°	*0.0*
72.5°	*0.0*
75°	*0.0*
77.5°	*0.0*
80°	*0.0*
82.5°	*0.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

Report Generated By 670245859 / DESKTOP-T8S5UU9

0°-180°

(END OF REPORT)