

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: P757139

Luminaire Tested: LD6D02D010-EU6DR300210IC9027-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D02D010-EU6DR300210IC9027-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 338.3 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

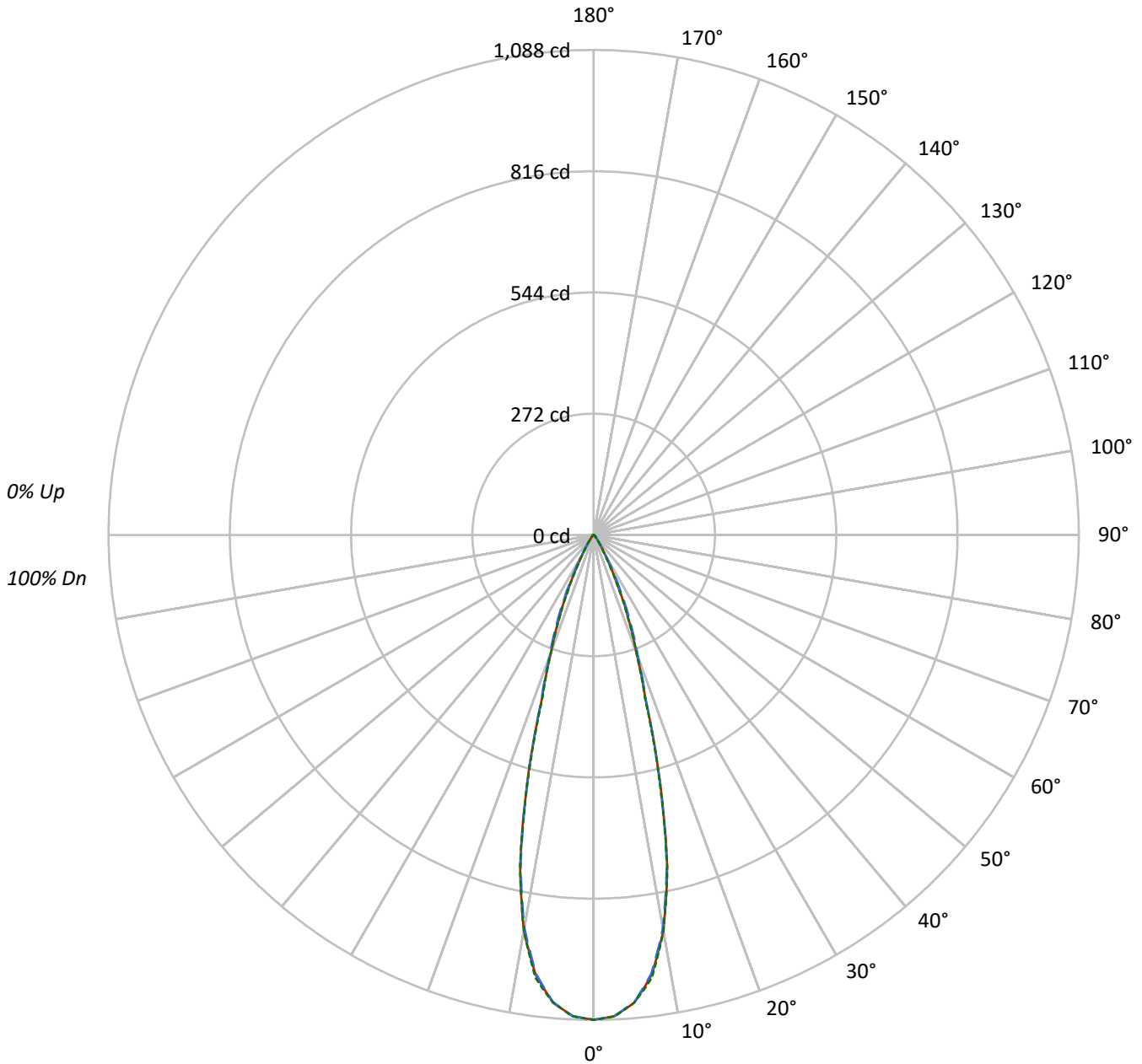


Downlight



TEST NUMBER: P757139  
CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P757139

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBS1B

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	83264	83264	83264
5°	80877	80777	80877
10°	70053	69555	70030
15°	45700	45454	45232
20°	22726	23581	22694
25°	11452	12913	11216
30°	4587	4994	3995
35°	2121	2037	1710
40°	919	1019	869
45°	649	801	649
50°	226	583	226
55°	133	240	133
60°	92	107	92
65°	54	54	54
70°	45	22	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 801 cd/sqm



TEST NUMBER: P757139

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.7	28.3
10°-20°	154.1	45.5
20°-30°	66.6	19.7
30°-40°	15.2	4.5
40°-50°	5.2	1.5
50°-60°	1.3	0.4
60°-70°	0.3	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°	316.3	93.5
0°-40°	331.5	98.0
0°-60°	337.9	99.9
0°-90°	338.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	338.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1053	1052	1051	1054	1053	96
15°	577	570	574	572	571	154
25°	136	141	153	137	133	65
35°	23	23	22	22	18	15
45°	6	7	7	7	6	4
55°	1	1	2	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P757139

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1087.8	1087.8	1087.8	1087.8	1087.8
2.5°	1080.6	1079.8	1080.3	1080.8	1081.0
5°	1052.6	1051.5	1051.3	1053.5	1052.6
7.5°	996.0	994.6	992.4	997.3	1002.0
10°	901.3	899.6	894.9	897.2	901.0
12.5°	761.4	756.2	756.1	763.6	762.5
15°	576.7	569.8	573.6	571.8	570.8
17.5°	387.8	385.2	390.3	388.7	382.1
20°	279.0	279.7	289.5	284.6	278.6
22.5°	203.6	206.1	217.7	205.1	200.4
25°	135.6	140.7	152.9	137.1	132.8
27.5°	83.4	85.7	98.0	82.3	79.9
30°	51.9	50.7	56.5	48.5	45.2
32.5°	34.0	32.5	34.4	30.9	28.2
35°	22.7	23.2	21.8	21.7	18.3
37.5°	14.2	16.3	14.4	15.4	11.7
40°	9.2	11.9	10.2	11.3	8.7
42.5°	7.5	9.1	8.4	8.9	7.7
45°	6.0	7.4	7.4	7.4	6.0
47.5°	3.3	5.0	6.4	5.1	3.6
50°	1.9	2.5	4.9	2.6	1.9
52.5°	1.3	1.4	3.4	1.5	1.3
55°	1.0	1.0	1.8	1.1	1.0
57.5°	0.7	0.8	1.0	0.8	0.7
60°	0.6	0.6	0.7	0.6	0.6
62.5°	0.4	0.4	0.5	0.4	0.4
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.1	0.1	0.1	0.2
72.5°	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)