

Signify Classified - Internal  
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: P759180

Luminaire Tested: LD6D08D010-EU6DR300210IC9030-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759180  
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: LD6D08D010-EU6DR300210IC9030-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 749.2 lumens  
Efficiency: N/A  
Efficacy: 84.2 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): 8.9  
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

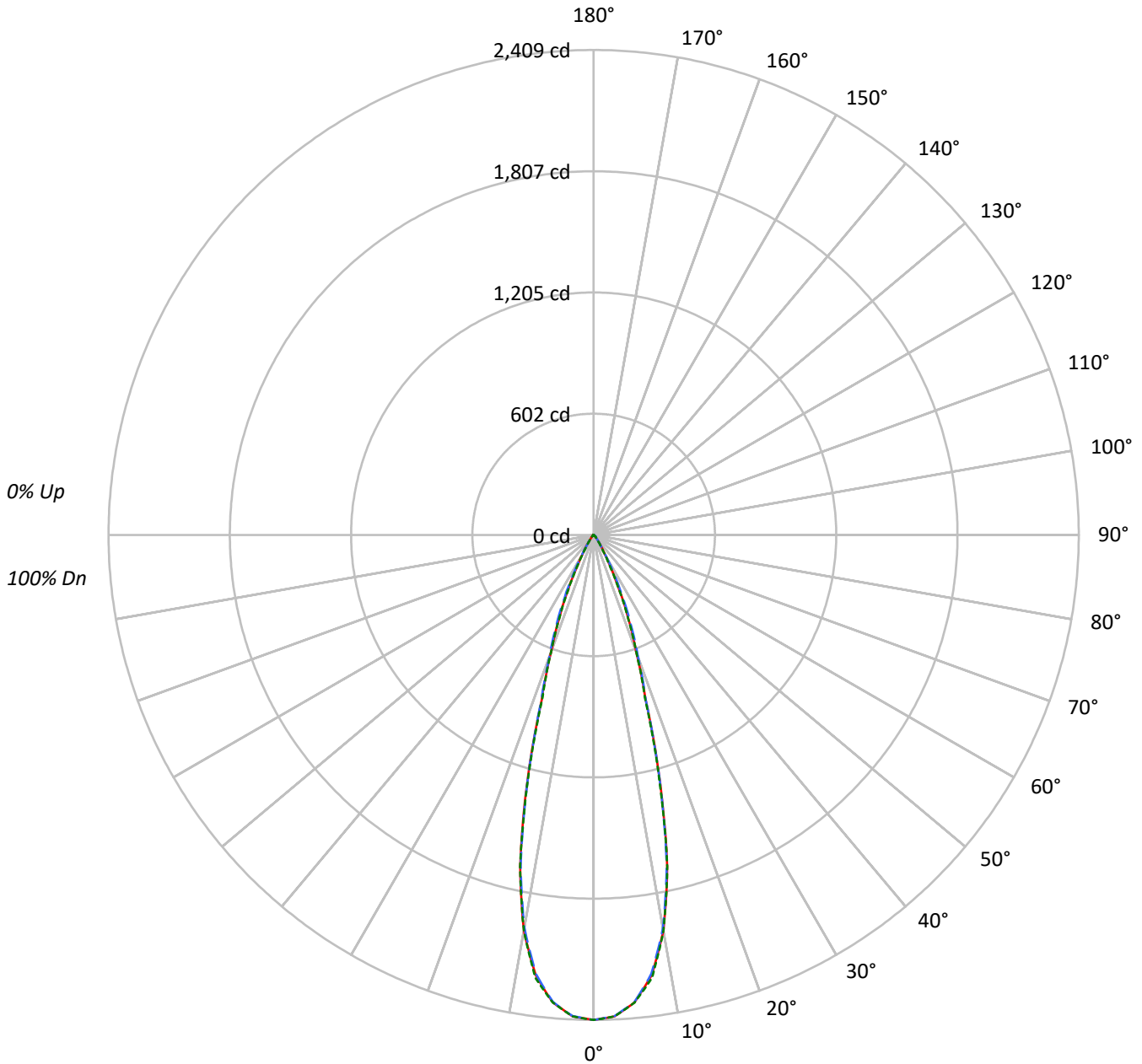


Downlight



TEST NUMBER: P759180  
CATALOG NUMBER: LD6D08D010-EU6DR300210IC9030-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P759180

CATALOG NUMBER: LD6D08D010-EU6DR300210IC9030-6LBS1B

**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	87	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°	184416	184416	184416
5°	179120	178912	179127
10°	155138	154049	155106
15°	101226	100679	100172
20°	50332	52221	50266
25°	25354	28597	24830
30°	10155	11057	8847
35°	4709	4504	3784
40°	2028	2258	1908
45°	1429	1775	1440
50°	488	1298	524
55°	280	534	294
60°	199	230	199
65°	127	127	127
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1775 cd/sqm



TEST NUMBER: P759180  
 CATALOG NUMBER: LD6D08D010-EU6DR300210IC9030-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.9	28.3
10°-20°	341.2	45.5
20°-30°	147.4	19.7
30°-40°	33.6	4.5
40°-50°	11.5	1.5
50°-60°	2.8	0.4
60°-70°	0.7	0.1
70°-80°	0.1	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°	700.5	93.5
0°-40°	734.1	98.0
0°-60°	748.4	99.9
0°-90°	749.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	749.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2409	2409	2409	2409	2409	
5°	2331	2329	2328	2333	2331	212
15°	1277	1262	1270	1266	1264	342
25°	300	312	339	304	294	144
35°	50	52	48	48	40	34
45°	13	16	16	16	13	9
55°	2	2	4	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P759180

CATALOG NUMBER: LD6D08D010-EU6DR300210IC9030-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2409.3	2409.3	2409.3	2409.3	2409.3
2.5°	2393.3	2391.6	2392.6	2393.7	2394.2
5°	2331.2	2328.9	2328.5	2333.3	2331.3
7.5°	2205.9	2202.7	2197.8	2208.8	2219.2
10°	1996.0	1992.5	1982.0	1987.2	1995.6
12.5°	1686.3	1674.8	1674.6	1691.1	1688.9
15°	1277.4	1262.0	1270.5	1266.4	1264.1
17.5°	859.0	853.1	864.4	861.0	846.2
20°	617.9	619.5	641.1	630.2	617.1
22.5°	450.9	456.5	482.1	454.1	443.8
25°	300.2	311.6	338.6	303.7	294.0
27.5°	184.7	189.9	217.1	182.3	177.1
30°	114.9	112.2	125.1	107.4	100.1
32.5°	75.3	72.0	76.2	68.4	62.5
35°	50.4	51.5	48.2	47.9	40.5
37.5°	31.5	36.2	31.9	34.1	26.0
40°	20.3	26.2	22.6	25.0	19.1
42.5°	16.7	20.2	18.6	19.8	17.0
45°	13.2	16.4	16.4	16.4	13.3
47.5°	7.3	11.0	14.1	11.2	7.8
50°	4.1	5.6	10.9	5.8	4.4
52.5°	2.9	3.2	7.4	3.3	3.0
55°	2.1	2.2	4.0	2.3	2.2
57.5°	1.7	1.8	2.1	1.8	1.7
60°	1.3	1.3	1.5	1.4	1.3
62.5°	1.0	1.0	1.1	1.0	1.0
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.5	0.5	0.5	0.5
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	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)