

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: P768751

Luminaire Tested: LD6D60D010-EU6DR3055659035-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768751  
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: LD6D60D010-EU6DR3055659035-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5688.4 lumens  
Efficiency: N/A  
Efficacy: 88.3 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

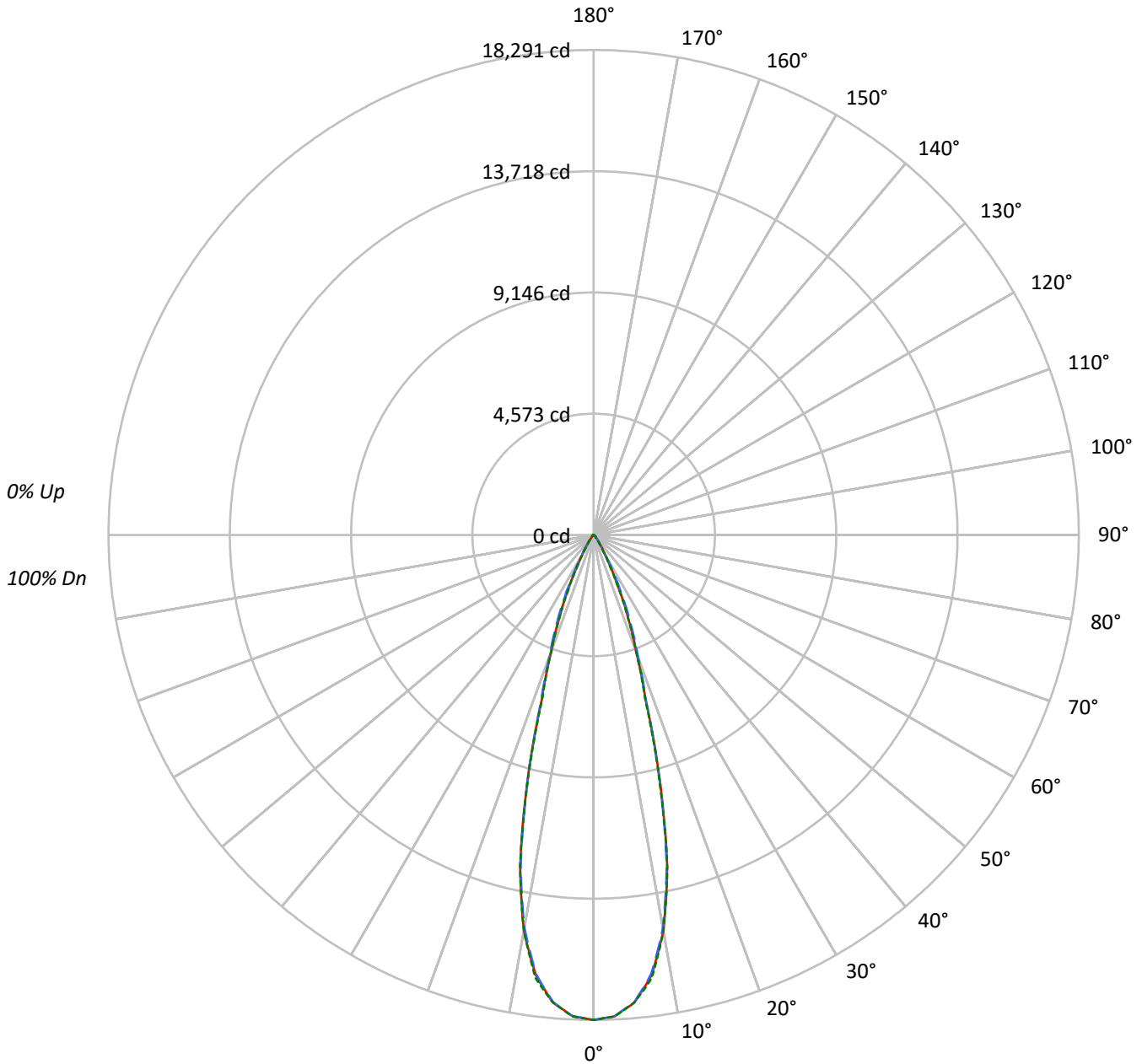
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**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°	1400048	1400048	1400048
5°	1359855	1358272	1359924
10°	1177840	1169532	1177561
15°	768480	764352	760516
20°	382134	396470	381620
25°	192493	217061	188549
30°	77071	83974	67146
35°	35751	34237	28696
40°	15438	17136	14538
45°	10890	13509	10987
50°	3739	9836	3953
55°	2162	4070	2282
60°	1516	1791	1516
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 13509 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1608.4	28.3
10°-20°	2590.4	45.5
20°-30°	1119.4	19.7
30°-40°	255.1	4.5
40°-50°	87.6	1.5
50°-60°	21.4	0.4
60°-70°	5.6	0.1
70°-80°	0.6	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°	5318.1	93.5
0°-40°	5573.3	98.0
0°-60°	5682.3	99.9
0°-90°	5688.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5688.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18291	18291	18291	18291	18291	
5°	17698	17681	17678	17714	17699	1610
15°	9698	9581	9646	9614	9597	2597
25°	2279	2365	2570	2305	2232	1091
35°	383	391	366	364	307	259
45°	101	125	125	125	102	71
55°	16	17	30	18	17	16
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	18290.9	18290.9	18290.9	18290.9	18290.9
2.5°	18169.7	18157.1	18164.3	18173.3	18176.9
5°	17698.2	17681.1	17677.6	17714.4	17699.1
7.5°	16747.2	16723.0	16686.1	16769.7	16847.8
10°	15154.1	15127.2	15047.2	15086.8	15150.5
12.5°	12802.2	12715.1	12713.3	12839.0	12822.0
15°	9697.7	9581.0	9645.6	9614.2	9597.2
17.5°	6521.4	6476.5	6562.7	6536.7	6424.4
20°	4691.3	4702.9	4867.3	4784.7	4685.0
22.5°	3423.3	3465.5	3660.3	3447.5	3369.4
25°	2279.2	2365.4	2570.1	2305.2	2232.5
27.5°	1401.8	1441.3	1648.8	1383.9	1344.3
30°	872.0	852.2	950.1	815.4	759.7
32.5°	572.0	546.9	578.3	519.1	474.2
35°	382.6	390.6	366.4	363.7	307.1
37.5°	238.9	274.8	242.5	258.6	197.6
40°	154.5	199.4	171.5	189.5	145.5
42.5°	126.6	153.6	141.0	150.0	129.3
45°	100.6	124.8	124.8	124.8	101.5
47.5°	55.7	83.5	106.9	85.3	59.3
50°	31.4	42.2	82.6	44.0	33.2
52.5°	21.6	24.2	56.6	25.1	22.5
55°	16.2	17.1	30.5	18.0	17.1
57.5°	12.6	13.5	16.2	13.5	12.6
60°	9.9	9.9	11.7	10.8	9.9
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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



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Scaled Data Report







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

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(END OF REPORT)