

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: P790643

Luminaire Tested: LER6D25D010-EC6DR1515309040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR1515309040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3069.3 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

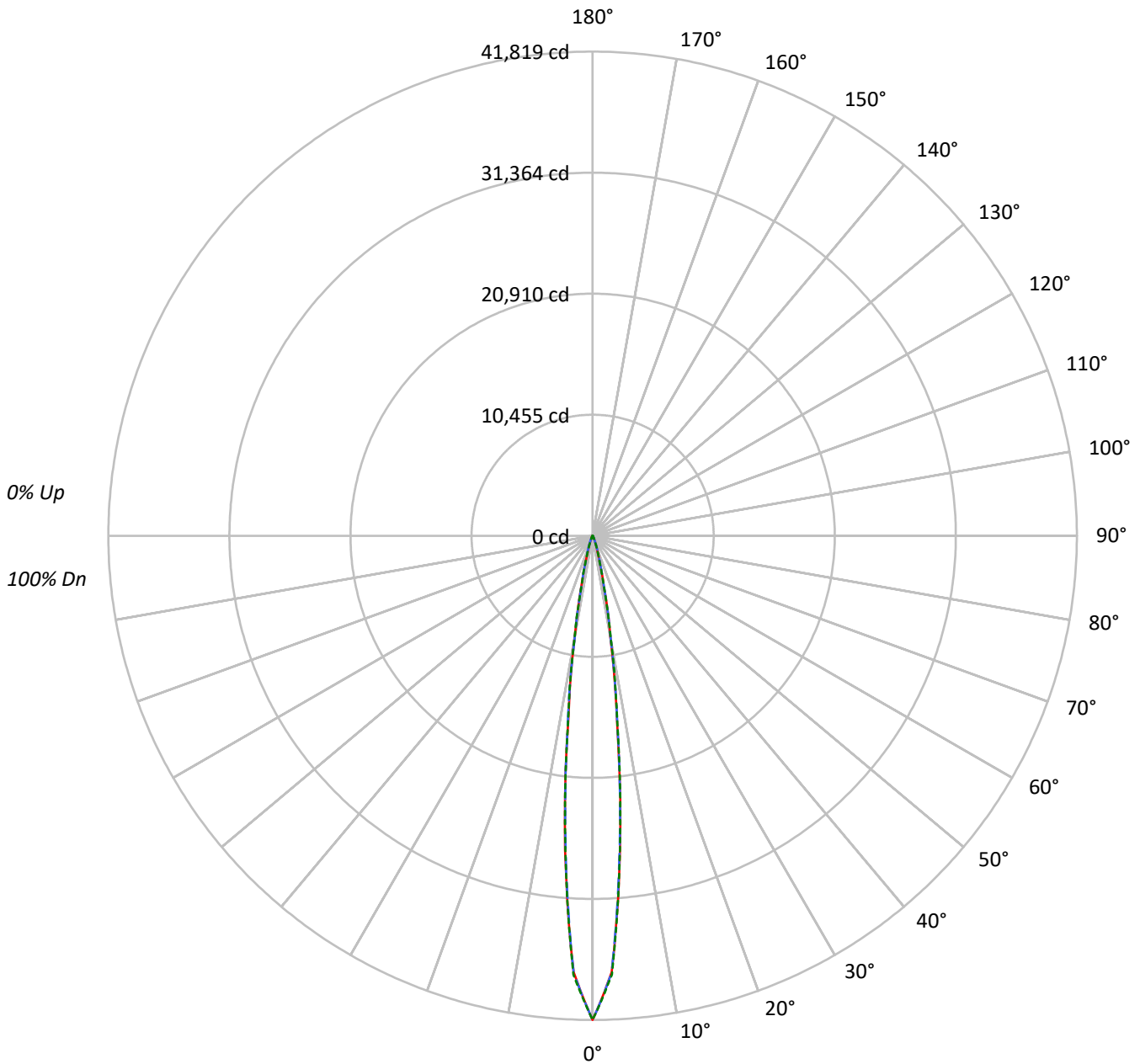
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

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

	0°	45°	90°
0°	4705483	4705483	4705483
5°	2765160	2729356	2750952
10°	825268	831053	843771
15°	205277	209273	202819
20°	61416	71120	62725
25°	21649	27585	21929
30°	7952	10476	8087
35°	3987	4502	3856
40°	2514	2762	2514
45°	1862	1981	1862
50°	1474	1474	1474
55°	1232	1232	1232
60°	997	997	997
65°	757	757	757
70°	651	651	651
75°	401	401	537
80°	276	276	276
85°	149	149	149

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1981 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1990.7	64.9
10°-20°	818.8	26.7
20°-30°	162.6	5.3
30°-40°	40.6	1.3
40°-50°	21.3	0.7
50°-60°	15.8	0.5
60°-70°	11.2	0.4
70°-80°	6.4	0.2
80°-90°	1.9	0.1
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°	2972.1	96.8
0°-40°	3012.7	98.2
0°-60°	3049.9	99.4
0°-90°	3069.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3069.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	41819	41819	41819	41819	41819	
5°	27208	26929	26856	27042	27069	1987
15°	2363	2408	2409	2367	2335	810
25°	278	315	354	313	282	146
35°	55	58	62	58	53	37
45°	27	27	28	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	41819.1	41819.1	41819.1	41819.1	41819.1
2.5°	37722.5	37754.4	37766.7	37803.9	37942.0
5°	27208.4	26928.7	26856.1	27042.0	27068.6
7.5°	16117.2	16173.9	16381.0	16427.0	16260.6
10°	8844.6	8917.2	8906.6	8970.3	9042.9
12.5°	4523.2	4466.6	4448.9	4521.5	4420.5
15°	2363.4	2407.7	2409.4	2366.9	2335.1
17.5°	1271.1	1322.4	1407.4	1338.4	1232.2
20°	750.6	796.7	869.2	812.6	766.6
22.5°	463.8	501.0	552.3	508.1	470.9
25°	277.9	315.1	354.1	313.4	281.5
27.5°	164.6	196.5	221.3	194.7	162.9
30°	106.2	123.9	139.9	122.2	108.0
32.5°	74.4	81.4	88.5	81.4	74.4
35°	54.9	58.4	62.0	58.4	53.1
37.5°	42.5	46.0	47.8	44.3	40.7
40°	35.4	37.2	38.9	37.2	35.4
42.5°	30.1	31.9	31.9	31.9	30.1
45°	26.6	26.6	28.3	26.6	26.6
47.5°	23.0	23.0	24.8	23.0	23.0
50°	21.2	21.2	21.2	21.2	21.2
52.5°	19.5	19.5	19.5	19.5	19.5
55°	17.7	17.7	17.7	17.7	17.7
57.5°	15.9	15.9	15.9	15.9	15.9
60°	14.2	14.2	14.2	14.2	14.2
62.5°	12.4	12.4	12.4	12.4	12.4
65°	10.6	10.6	10.6	10.6	10.6
67.5°	10.6	10.6	10.6	10.6	10.6
70°	8.9	8.9	8.9	8.9	8.9
72.5°	7.1	7.1	7.1	7.1	7.1
75°	5.3	5.3	5.3	5.3	7.1
77.5°	5.3	5.3	5.3	5.3	5.3
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)