

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: P790607

Luminaire Tested: LER6D25D010-EC6DR1515309024-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790607  
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-EC6DR1515309024-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2334.8 lumens  
Efficiency: N/A  
Efficacy: 93.0 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

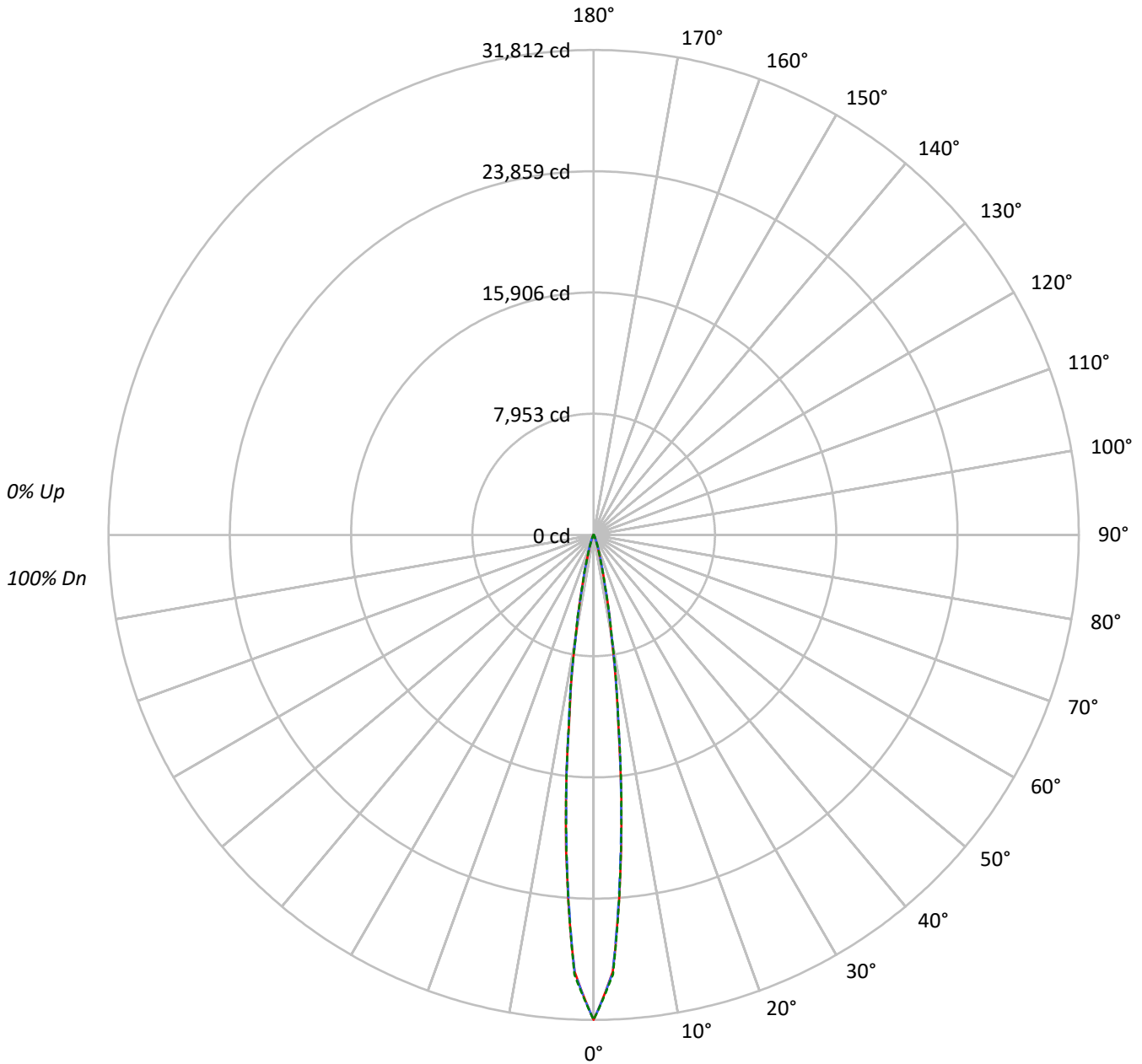
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	3579428	3579428	3579428
5°	2103434	2076207	2092631
10°	627783	632178	641854
15°	156151	159191	154284
20°	46721	54101	47711
25°	16468	20979	16679
30°	6050	7967	6148
35°	3028	3420	2934
40°	1910	2102	1910
45°	1414	1505	1414
50°	1126	1126	1126
55°	940	940	940
60°	758	758	758
65°	578	578	578
70°	490	490	490
75°	302	302	408
80°	213	213	213
85°	108	108	108

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1505 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1514.3	64.9
10°-20°	622.9	26.7
20°-30°	123.7	5.3
30°-40°	30.9	1.3
40°-50°	16.2	0.7
50°-60°	12.0	0.5
60°-70°	8.5	0.4
70°-80°	4.8	0.2
80°-90°	1.5	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°	2260.9	96.8
0°-40°	2291.7	98.2
0°-60°	2320.0	99.4
0°-90°	2334.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2334.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31812	31812	31812	31812	31812	
5°	20697	20484	20429	20571	20591	1511
15°	1798	1832	1833	1800	1776	616
25°	211	240	269	238	214	111
35°	42	44	47	44	40	28
45°	20	20	22	20	20	16
55°	14	14	14	14	14	12
65°	8	8	8	8	8	9
75°	4	4	4	4	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	31811.5	31811.5	31811.5	31811.5	31811.5
2.5°	28695.2	28719.5	28728.9	28757.2	28862.2
5°	20697.2	20484.5	20429.3	20570.7	20590.9
7.5°	12260.2	12303.3	12460.9	12495.9	12369.3
10°	6728.1	6783.3	6775.2	6823.7	6878.9
12.5°	3440.8	3397.7	3384.2	3439.4	3362.7
15°	1797.8	1831.5	1832.8	1800.5	1776.3
17.5°	966.9	1006.0	1070.6	1018.1	937.3
20°	571.0	606.0	661.2	618.1	583.1
22.5°	352.8	381.1	420.2	386.5	358.2
25°	211.4	239.7	269.3	238.4	214.1
27.5°	125.2	149.5	168.3	148.1	123.9
30°	80.8	94.3	106.4	92.9	82.1
32.5°	56.6	61.9	67.3	61.9	56.6
35°	41.7	44.4	47.1	44.4	40.4
37.5°	32.3	35.0	36.4	33.7	31.0
40°	26.9	28.3	29.6	28.3	26.9
42.5°	22.9	24.2	24.2	24.2	22.9
45°	20.2	20.2	21.5	20.2	20.2
47.5°	17.5	17.5	18.9	17.5	17.5
50°	16.2	16.2	16.2	16.2	16.2
52.5°	14.8	14.8	14.8	14.8	14.8
55°	13.5	13.5	13.5	13.5	13.5
57.5°	12.1	12.1	12.1	12.1	12.1
60°	10.8	10.8	10.8	10.8	10.8
62.5°	9.4	9.4	9.4	9.4	9.4
65°	8.1	8.1	8.1	8.1	8.1
67.5°	8.1	8.1	8.1	8.1	8.1
70°	6.7	6.7	6.7	6.7	6.7
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.0	4.0	4.0	4.0	5.4
77.5°	4.0	4.0	4.0	4.0	4.0
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.3	1.3	1.3	1.3	1.3
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)