

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: P789428

Luminaire Tested: LER6D15D010-EC6DR1515309024-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789428  
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: LER6D15D010-EC6DR1515309024-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1360.1 lumens  
Efficiency: N/A  
Efficacy: 86.1 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

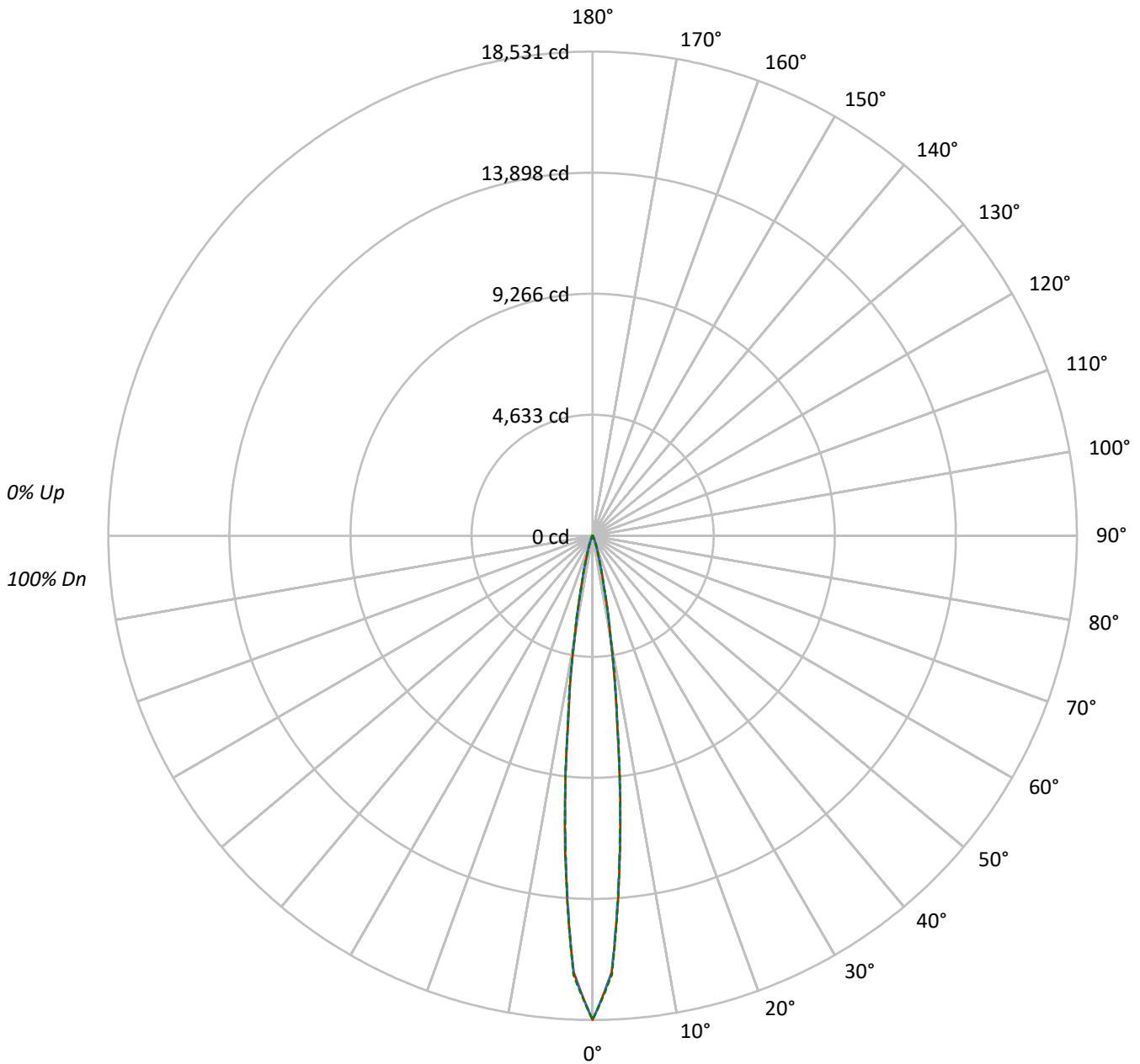
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°	45°	90°
0°	2085073	2085073	2085073
5°	1225289	1209425	1218988
10°	365691	368257	373893
15°	90965	92737	89871
20°	27214	31518	27795
25°	9597	12223	9714
30°	3527	4643	3587
35°	1765	1997	1707
40°	1115	1229	1115
45°	826	882	826
50°	654	654	654
55°	543	543	543
60°	442	442	442
65°	335	335	335
70°	285	285	285
75°	181	181	234
80°	126	126	126
85°	66	66	66

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 882 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	882.1	64.9
10°-20°	362.8	26.7
20°-30°	72.1	5.3
30°-40°	18.0	1.3
40°-50°	9.5	0.7
50°-60°	7.0	0.5
60°-70°	4.9	0.4
70°-80°	2.8	0.2
80°-90°	0.9	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°	1317.0	96.8
0°-40°	1335.0	98.2
0°-60°	1351.5	99.4
0°-90°	1360.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1360.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18531	18531	18531	18531	18531	
5°	12056	11933	11900	11983	11994	880
15°	1047	1067	1068	1049	1035	359
25°	123	140	157	139	125	65
35°	24	26	28	26	24	16
45°	12	12	13	12	12	9
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
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°	18530.7	18530.7	18530.7	18530.7	18530.7
2.5°	16715.5	16729.6	16735.1	16751.5	16812.7
5°	12056.5	11932.6	11900.4	11982.8	11994.5
7.5°	7141.8	7166.9	7258.7	7279.1	7205.3
10°	3919.2	3951.4	3946.7	3974.9	4007.1
12.5°	2004.3	1979.2	1971.4	2003.5	1958.8
15°	1047.3	1066.9	1067.7	1048.8	1034.7
17.5°	563.2	586.0	623.7	593.1	546.0
20°	332.6	353.0	385.2	360.1	339.7
22.5°	205.5	222.0	244.8	225.1	208.7
25°	123.2	139.6	156.9	138.9	124.7
27.5°	73.0	87.1	98.1	86.3	72.2
30°	47.1	54.9	62.0	54.1	47.9
32.5°	32.9	36.1	39.2	36.1	32.9
35°	24.3	25.9	27.5	25.9	23.5
37.5°	18.8	20.4	21.2	19.6	18.0
40°	15.7	16.5	17.3	16.5	15.7
42.5°	13.3	14.1	14.1	14.1	13.3
45°	11.8	11.8	12.6	11.8	11.8
47.5°	10.2	10.2	11.0	10.2	10.2
50°	9.4	9.4	9.4	9.4	9.4
52.5°	8.6	8.6	8.6	8.6	8.6
55°	7.8	7.8	7.8	7.8	7.8
57.5°	7.1	7.1	7.1	7.1	7.1
60°	6.3	6.3	6.3	6.3	6.3
62.5°	5.5	5.5	5.5	5.5	5.5
65°	4.7	4.7	4.7	4.7	4.7
67.5°	4.7	4.7	4.7	4.7	4.7
70°	3.9	3.9	3.9	3.9	3.9
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.4	2.4	2.4	2.4	3.1
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
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)