

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: P788813

Luminaire Tested: LER6D10D010-EC6DR150210IC9027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788813  
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: LER6D10D010-EC6DR150210IC9027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1123.5 lumens  
Efficiency: N/A  
Efficacy: 96.0 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

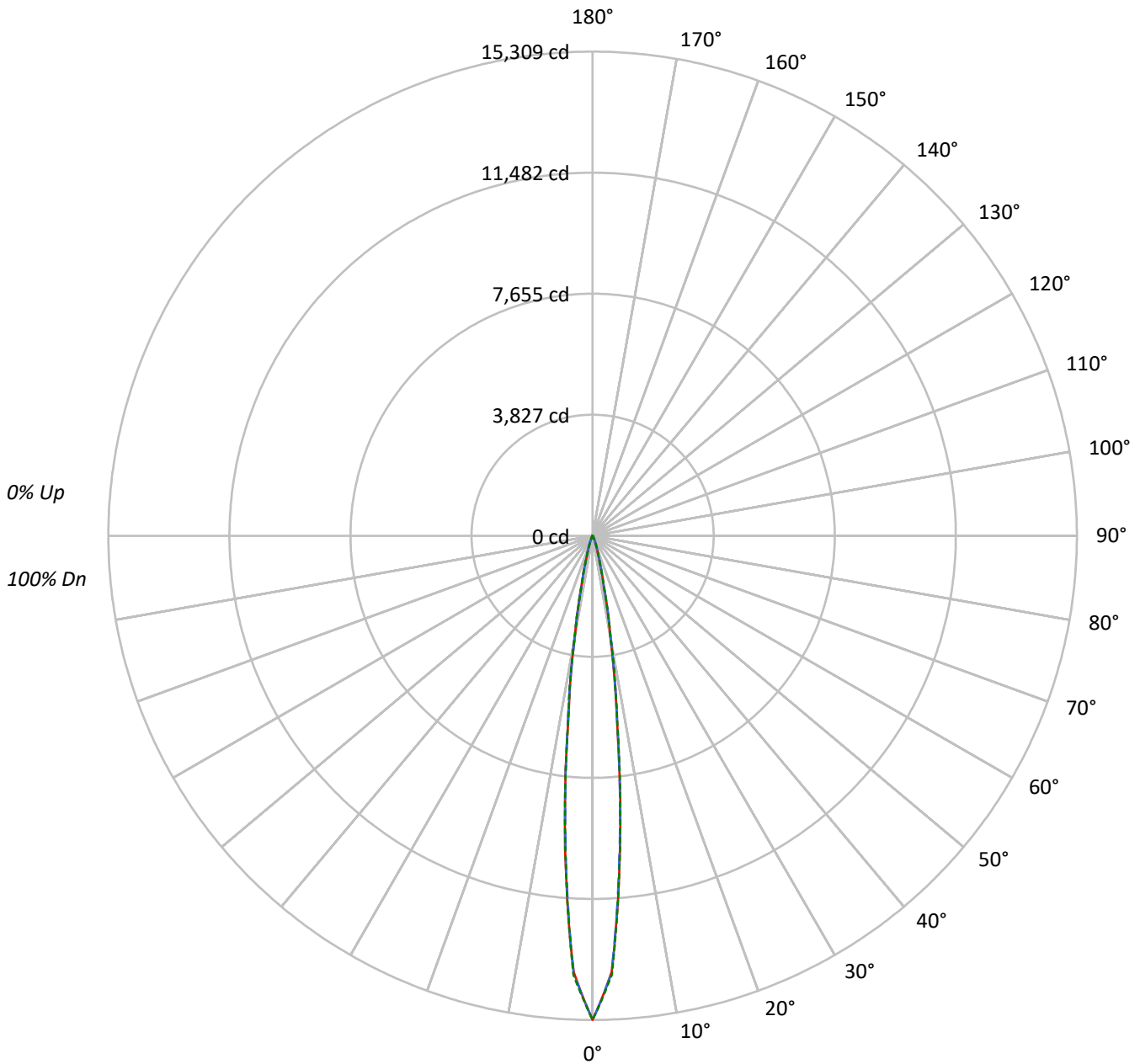
Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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	99	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	88	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°	1722534	1722534	1722534
5°	1012244	999134	1007041
10°	302102	304220	308876
15°	75149	76608	74245
20°	22485	26036	22959
25°	7923	10096	8024
30°	2913	3834	2958
35°	1460	1648	1409
40°	923	1016	923
45°	679	728	679
50°	542	542	542
55°	452	452	452
60°	365	365	365
65°	278	278	278
70°	234	234	234
75°	144	144	197
80°	102	102	102
85°	50	50	50

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 728 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	728.7	64.9
10°-20°	299.7	26.7
20°-30°	59.5	5.3
30°-40°	14.9	1.3
40°-50°	7.8	0.7
50°-60°	5.8	0.5
60°-70°	4.1	0.4
70°-80°	2.3	0.2
80°-90°	0.7	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°	1088.0	96.8
0°-40°	1102.9	98.2
0°-60°	1116.5	99.4
0°-90°	1123.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15309	15309	15309	15309	15309	
5°	9960	9858	9831	9899	9909	727
15°	865	881	882	866	855	297
25°	102	115	130	115	103	53
35°	20	21	23	21	19	14
45°	10	10	10	10	10	8
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	2
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°	15308.7	15308.7	15308.7	15308.7	15308.7
2.5°	13809.0	13820.7	13825.2	13838.8	13889.4
5°	9960.2	9857.8	9831.2	9899.2	9909.0
7.5°	5900.0	5920.7	5996.6	6013.4	5952.5
10°	3237.7	3264.3	3260.4	3283.8	3310.3
12.5°	1655.8	1635.1	1628.6	1655.2	1618.2
15°	865.2	881.4	882.0	866.5	854.8
17.5°	465.3	484.1	515.2	489.9	451.1
20°	274.8	291.6	318.2	297.5	280.6
22.5°	169.8	183.4	202.2	186.0	172.4
25°	101.7	115.4	129.6	114.7	103.0
27.5°	60.3	71.9	81.0	71.3	59.6
30°	38.9	45.4	51.2	44.7	39.5
32.5°	27.2	29.8	32.4	29.8	27.2
35°	20.1	21.4	22.7	21.4	19.4
37.5°	15.6	16.8	17.5	16.2	14.9
40°	13.0	13.6	14.3	13.6	13.0
42.5°	11.0	11.7	11.7	11.7	11.0
45°	9.7	9.7	10.4	9.7	9.7
47.5°	8.4	8.4	9.1	8.4	8.4
50°	7.8	7.8	7.8	7.8	7.8
52.5°	7.1	7.1	7.1	7.1	7.1
55°	6.5	6.5	6.5	6.5	6.5
57.5°	5.8	5.8	5.8	5.8	5.8
60°	5.2	5.2	5.2	5.2	5.2
62.5°	4.5	4.5	4.5	4.5	4.5
65°	3.9	3.9	3.9	3.9	3.9
67.5°	3.9	3.9	3.9	3.9	3.9
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.6	2.6	2.6	2.6	2.6
75°	1.9	1.9	1.9	1.9	2.6
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6
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)