

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: P789424

Luminaire Tested: LER6D15D010-EC6DR1515309024-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789424  
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-EC6DR1515309024-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1292.1 lumens  
Efficiency: N/A  
Efficacy: 81.8 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

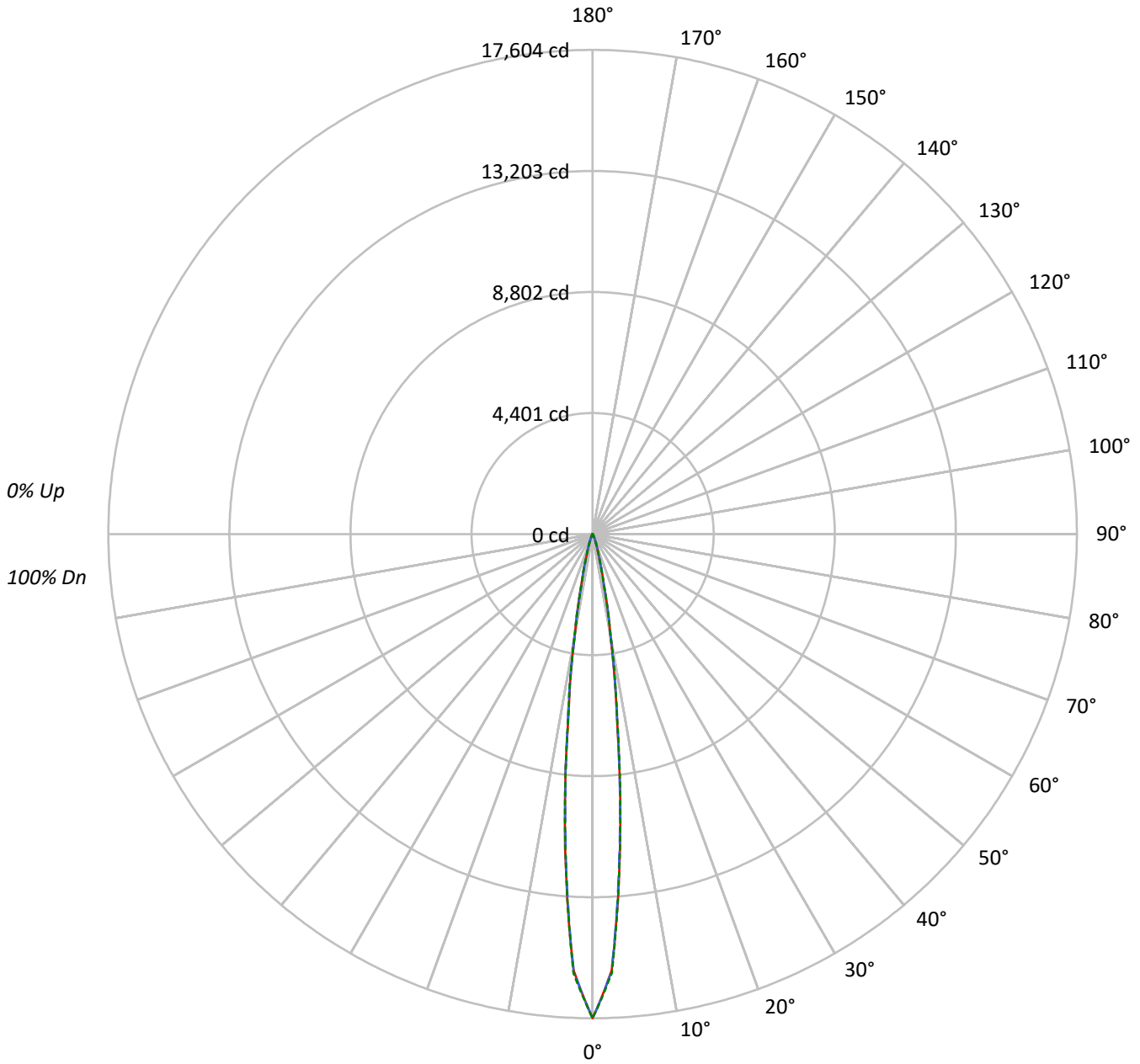
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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																			
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°	1980824	1980824	1980824
5°	1164027	1148955	1158041
10°	347403	349838	355194
15°	86414	88099	85380
20°	25856	29939	26404
25°	9114	11607	9231
30°	3347	4411	3407
35°	1678	1895	1627
40°	1058	1165	1058
45°	784	833	784
50°	619	619	619
55°	522	522	522
60°	421	421	421
65°	321	321	321
70°	271	271	271
75°	166	166	227
80°	118	118	118
85°	58	58	58

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 833 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	838.0	64.9
10°-20°	344.7	26.7
20°-30°	68.5	5.3
30°-40°	17.1	1.3
40°-50°	9.0	0.7
50°-60°	6.7	0.5
60°-70°	4.7	0.4
70°-80°	2.7	0.2
80°-90°	0.8	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°	1251.2	96.8
0°-40°	1268.2	98.2
0°-60°	1283.9	99.4
0°-90°	1292.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1292.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17604	17604	17604	17604	17604	
5°	11454	11336	11305	11384	11395	836
15°	995	1014	1014	996	983	341
25°	117	133	149	132	118	61
35°	23	25	26	25	22	16
45°	11	11	12	11	11	9
55°	8	8	8	8	8	7
65°	4	4	4	4	4	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°	17604.2	17604.2	17604.2	17604.2	17604.2
2.5°	15879.7	15893.1	15898.3	15914.0	15972.1
5°	11453.7	11335.9	11305.4	11383.6	11394.8
7.5°	6784.7	6808.6	6895.8	6915.1	6845.1
10°	3723.2	3753.8	3749.3	3776.2	3806.7
12.5°	1904.1	1880.3	1872.8	1903.4	1860.9
15°	994.9	1013.5	1014.3	996.4	983.0
17.5°	535.1	556.7	592.5	563.4	518.7
20°	316.0	335.4	365.9	342.1	322.7
22.5°	195.3	210.9	232.5	213.9	198.2
25°	117.0	132.7	149.0	131.9	118.5
27.5°	69.3	82.7	93.2	82.0	68.6
30°	44.7	52.2	58.9	51.4	45.5
32.5°	31.3	34.3	37.3	34.3	31.3
35°	23.1	24.6	26.1	24.6	22.4
37.5°	17.9	19.4	20.1	18.6	17.1
40°	14.9	15.7	16.4	15.7	14.9
42.5°	12.7	13.4	13.4	13.4	12.7
45°	11.2	11.2	11.9	11.2	11.2
47.5°	9.7	9.7	10.4	9.7	9.7
50°	8.9	8.9	8.9	8.9	8.9
52.5°	8.2	8.2	8.2	8.2	8.2
55°	7.5	7.5	7.5	7.5	7.5
57.5°	6.7	6.7	6.7	6.7	6.7
60°	6.0	6.0	6.0	6.0	6.0
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	3.7	3.7	3.7	3.7	3.7
72.5°	3.0	3.0	3.0	3.0	3.0
75°	2.2	2.2	2.2	2.2	3.0
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7
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)