

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: P789575

Luminaire Tested: LER6D15D010-EC6DR300215IC9027-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789575  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D15D010-EC6DR300215IC9027-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2275.1 lumens  
Efficiency: N/A  
Efficacy: 144.0 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

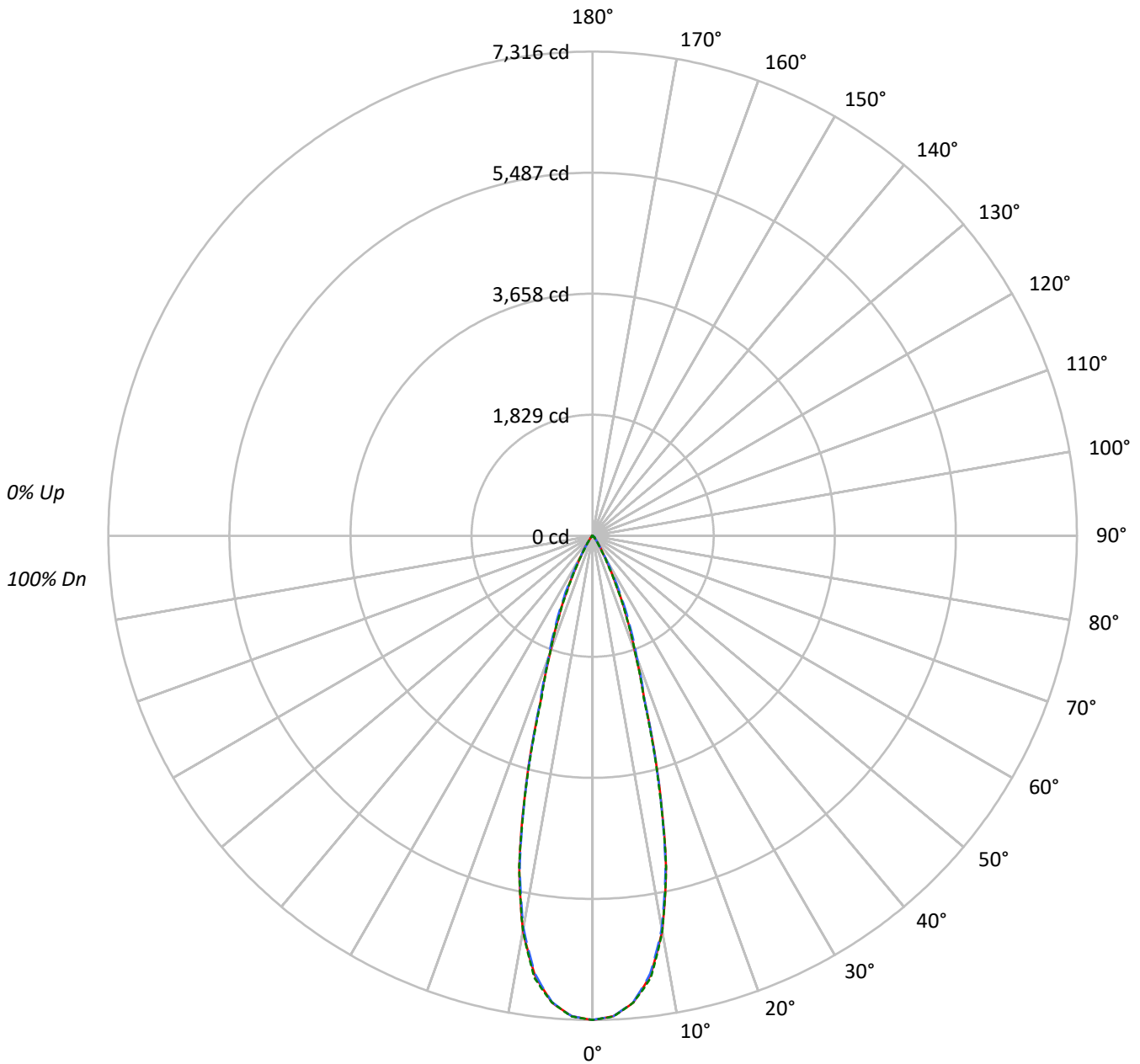
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	559961	559961	559961
5°	543882	543252	543913
10°	471086	467768	470978
15°	307362	305714	304176
20°	152835	158570	152632
25°	76990	86813	75411
30°	30829	33586	26860
35°	14297	13689	11475
40°	6175	6855	5815
45°	4352	5402	4395
50°	1500	3930	1584
55°	867	1628	907
60°	612	720	612
65°	398	398	398
70°	246	157	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 5402 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	643.3	28.3
10°-20°	1036.0	45.5
20°-30°	447.7	19.7
30°-40°	102.0	4.5
40°-50°	35.0	1.5
50°-60°	8.6	0.4
60°-70°	2.2	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	2127.0	93.5
0°-40°	2229.1	98.0
0°-60°	2272.7	99.9
0°-90°	2275.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2275.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7316	7316	7316	7316	7316	
5°	7078	7072	7070	7085	7079	644
15°	3879	3832	3858	3845	3838	1039
25°	912	946	1028	922	893	436
35°	153	156	146	146	123	104
45°	40	50	50	50	41	29
55°	6	7	12	7	7	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7315.6	7315.6	7315.6	7315.6	7315.6
2.5°	7267.1	7262.1	7265.0	7268.5	7270.0
5°	7078.5	7071.7	7070.3	7085.0	7078.9
7.5°	6698.2	6688.5	6673.8	6707.2	6738.4
10°	6061.0	6050.2	6018.3	6034.1	6059.6
12.5°	5120.3	5085.5	5084.8	5135.1	5128.2
15°	3878.7	3832.0	3857.9	3845.3	3838.5
17.5°	2608.3	2590.3	2624.8	2614.4	2569.5
20°	1876.3	1881.0	1946.7	1913.7	1873.8
22.5°	1369.2	1386.0	1464.0	1378.9	1347.6
25°	911.6	946.1	1027.9	922.0	892.9
27.5°	560.7	576.5	659.4	553.5	537.7
30°	348.8	340.9	380.0	326.1	303.9
32.5°	228.8	218.7	231.3	207.6	189.6
35°	153.0	156.2	146.5	145.5	122.8
37.5°	95.5	109.9	97.0	103.4	79.0
40°	61.8	79.7	68.6	75.8	58.2
42.5°	50.6	61.4	56.4	60.0	51.7
45°	40.2	49.9	49.9	49.9	40.6
47.5°	22.3	33.4	42.7	34.1	23.7
50°	12.6	16.9	33.0	17.6	13.3
52.5°	8.6	9.7	22.6	10.1	9.0
55°	6.5	6.8	12.2	7.2	6.8
57.5°	5.0	5.4	6.5	5.4	5.0
60°	4.0	4.0	4.7	4.3	4.0
62.5°	2.9	2.9	3.2	2.9	2.9
65°	2.2	2.2	2.2	2.2	2.2
67.5°	1.1	1.4	1.4	1.4	1.4
70°	1.1	0.7	0.7	0.7	1.1
72.5°	0.7	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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







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

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(END OF REPORT)