

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: P789477

Luminaire Tested: LER6D15D010-EC6DR2015309027-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D15D010-EC6DR2015309027-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1228.6 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

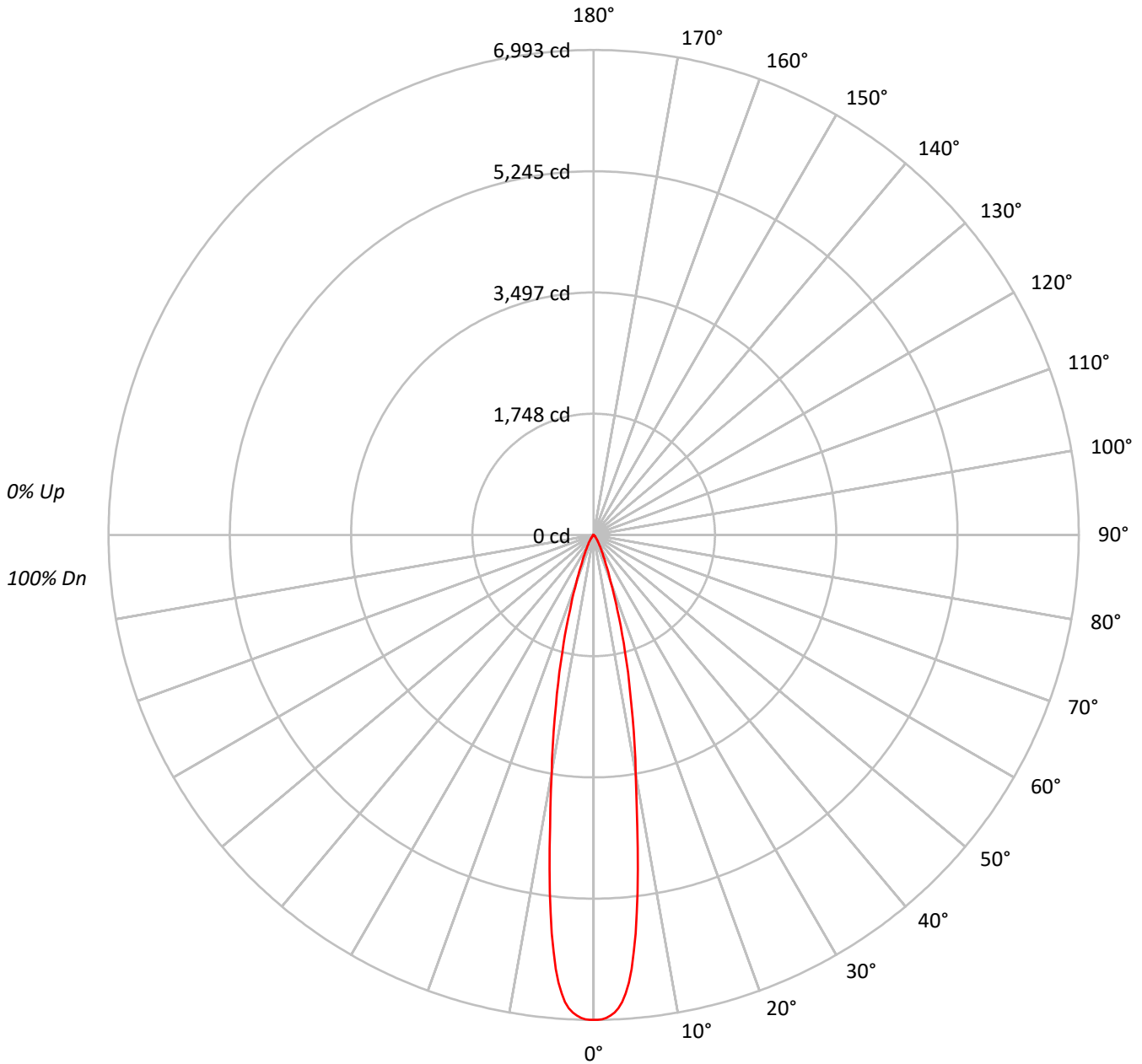
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	94														
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	91	91														
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	88	88	88														
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	86	85	85	85														
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	84	83	83	83														
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	82	81	81	81														
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	80	79	79	79														
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	78	77	77	77														
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	76	75	75	75														
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	74	73	73	73														

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

	0°
0°	764050
5°	689316
10°	386881
15°	196662
20°	83263
25°	38433
30°	20350
35°	10964
40°	5862
45°	3461
50°	2006
55°	1067
60°	677
65°	491
70°	192
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3461 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	497.9	40.5
10°-20°	490.3	39.9
20°-30°	160.2	13.0
30°-40°	54.5	4.4
40°-50°	18.3	1.5
50°-60°	5.5	0.5
60°-70°	1.8	0.1
70°-80°	0.1	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°	1148.3	93.5
0°-40°	1202.8	97.9
0°-60°	1226.7	99.8
0°-90°	1228.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6993	
5°	6285	498
15°	1739	490
25°	319	160
35°	82	55
45°	22	18
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6992.9
0.5°	6992.9
1°	6984.2
1.5°	6966.8
2°	6935.0
2.5°	6892.7
3°	6832.9
3.5°	6749.5
4°	6625.5
4.5°	6474.8
5°	6284.9
5.5°	6035.2
6°	5779.3
6.5°	5486.0
7°	5198.9
7.5°	4862.7
8°	4562.5
8.5°	4260.5
9°	3981.5
9.5°	3725.6
10°	3487.1
12.5°	2503.9
15°	1738.6
17.5°	1135.8
20°	716.1
22.5°	463.9
25°	318.8
27.5°	224.2
30°	161.3
32.5°	115.8
35°	82.2
37.5°	57.3
40°	41.1
42.5°	29.9
45°	22.4
47.5°	17.4
50°	11.8
52.5°	7.5
55°	5.6
57.5°	4.4
60°	3.1
62.5°	2.5
65°	1.9



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**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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67.5°		1.2
70°		0.6

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(END OF REPORT)