

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: P789708

Luminaire Tested: LER6D15D010-EC6DR450215IC9024-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D15D010-EC6DR450215IC9024-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2147.1 lumens  
Efficiency: N/A  
Efficacy: 135.9 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

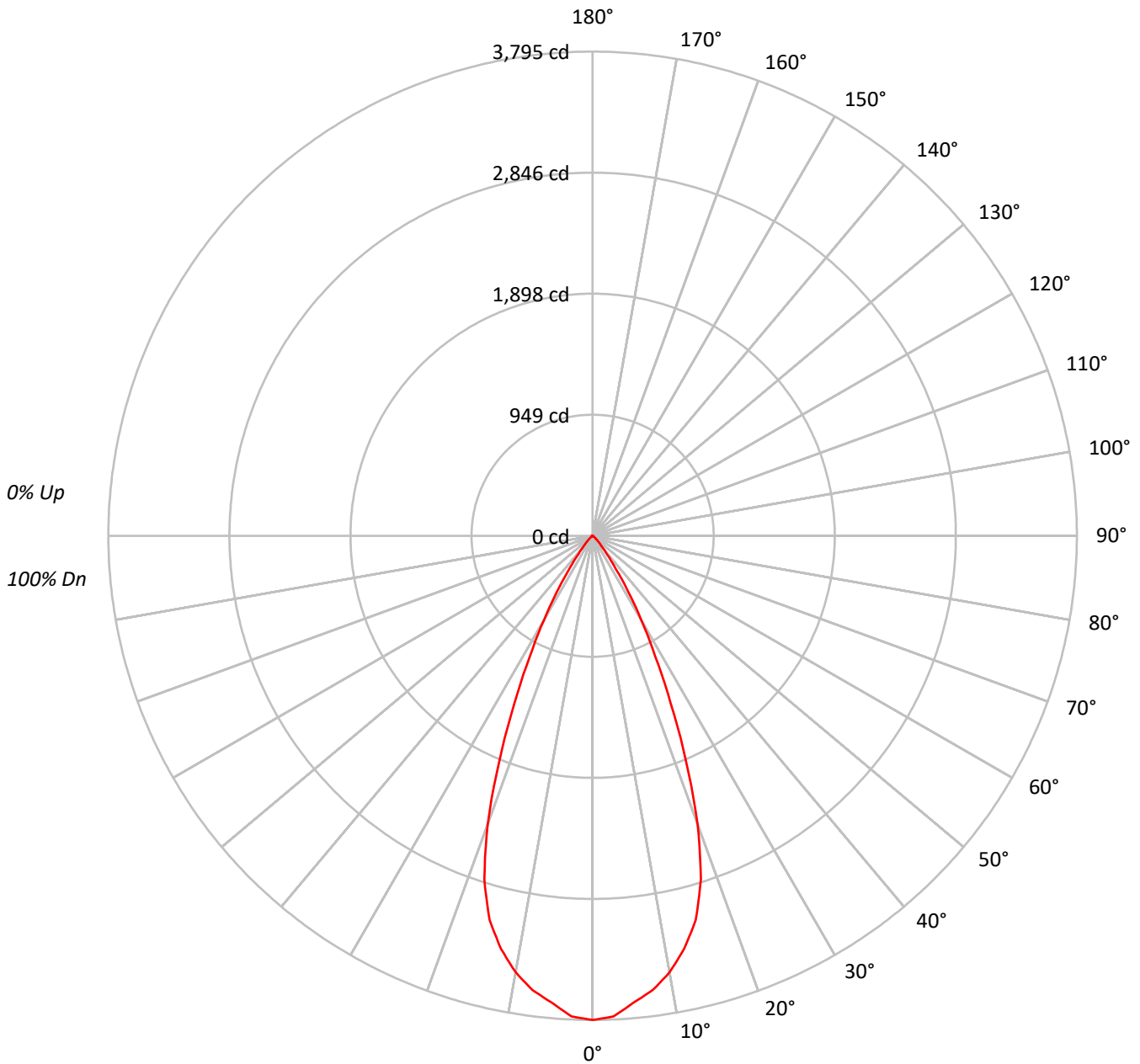
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	100	100	100	100													
	1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	95	95	95	95													
	2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	90	90	90	90	90													
	3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85	85	85													
	4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81	81	81													
	5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77	77	77	77	77	77													
	6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73	73	73	73	73	73													
	7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69	69	69	69	69	69													
	8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66	66	66													
	9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63	63	63	63	63	63													
	10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60	60	60	60	60	60													

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

	0°
0°	414655
5°	402848
10°	385416
15°	352738
20°	279846
25°	174710
30°	96301
35°	43243
40°	17030
45°	8019
50°	3808
55°	1981
60°	983
65°	233
70°	96
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8019 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.1	16.1
10°-20°	849.4	39.6
20°-30°	672.6	31.3
30°-40°	224.0	10.4
40°-50°	44.4	2.1
50°-60°	10.1	0.5
60°-70°	1.5	0.1
70°-80°	0.0	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°	1867.1	87.0
0°-40°	2091.1	97.4
0°-60°	2145.6	99.9
0°-90°	2147.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2147.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3795	
5°	3673	345
15°	3118	849
25°	1449	673
35°	324	224
45°	52	44
55°	10	10
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3795.1
2.5°	3770.3
5°	3673.0
7.5°	3592.7
10°	3473.9
12.5°	3315.7
15°	3118.4
17.5°	2821.7
20°	2406.8
22.5°	1912.5
25°	1449.2
27.5°	1061.2
30°	763.3
32.5°	519.1
35°	324.2
37.5°	192.2
40°	119.4
42.5°	78.5
45°	51.9
47.5°	33.4
50°	22.4
52.5°	14.9
55°	10.4
57.5°	6.9
60°	4.5
62.5°	2.4
65°	0.9
67.5°	0.3
70°	0.3
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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(END OF REPORT)