

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: P761041

Luminaire Tested: LD6D15D010-EU6DR2015309030-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761041  
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: LD6D15D010-EU6DR2015309030-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1383.1 lumens  
Efficiency: N/A  
Efficacy: 87.5 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 (Ain): 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

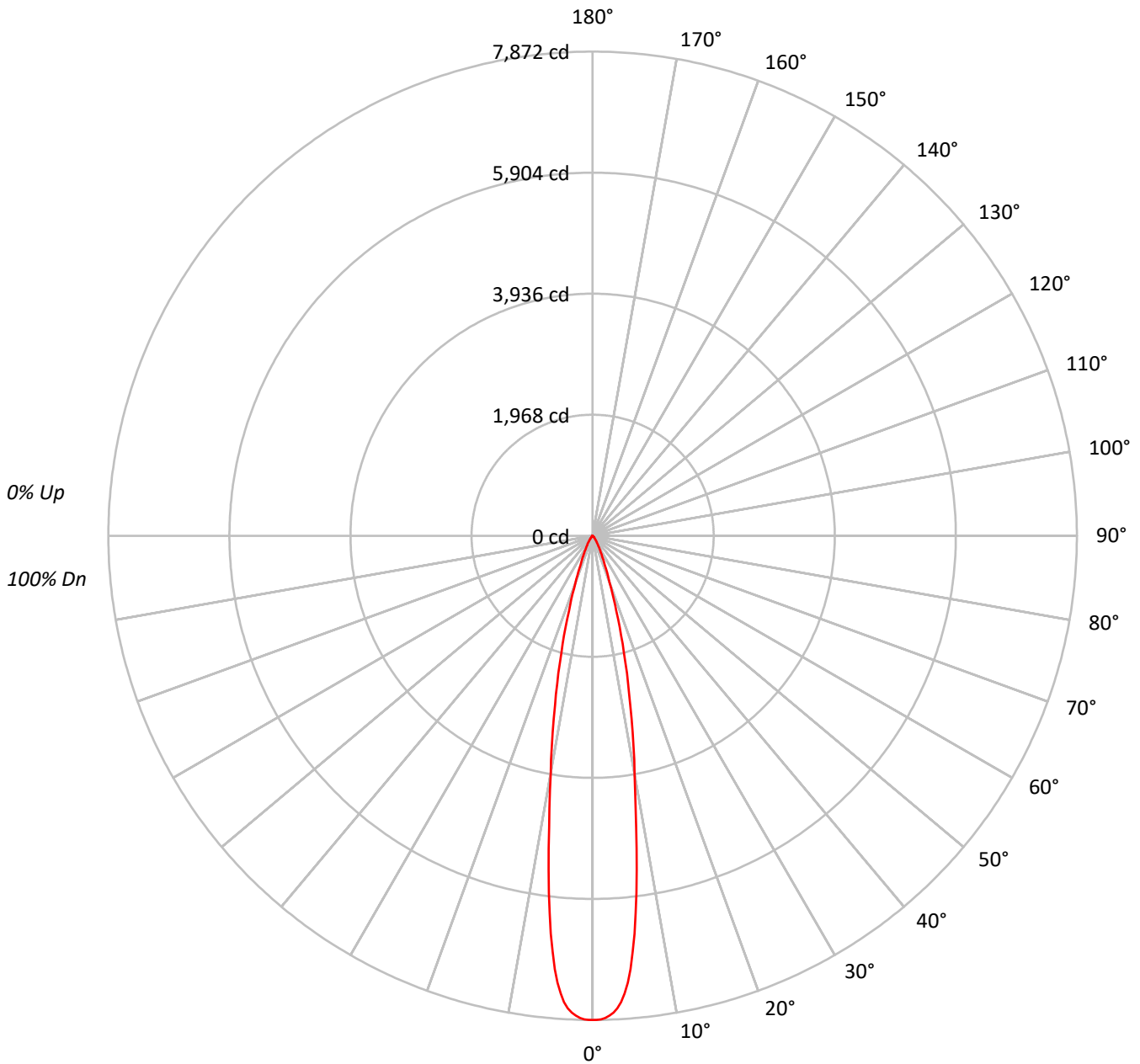


Downlight



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

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

	0°
0°	860144
5°	776017
10°	435542
15°	221389
20°	93739
25°	43268
30°	22911
35°	12338
40°	6604
45°	3894
50°	2261
55°	1200
60°	765
65°	543
70°	224
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3894 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	560.5	40.5
10°-20°	551.9	39.9
20°-30°	180.3	13.0
30°-40°	61.4	4.4
40°-50°	20.6	1.5
50°-60°	6.2	0.4
60°-70°	2.1	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°	1292.7	93.5
0°-40°	1354.1	97.9
0°-60°	1381.0	99.8
0°-90°	1383.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7872	
5°	7075	561
15°	1957	552
25°	359	180
35°	92	61
45°	25	21
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7872.4
0.5°	7872.4
1°	7862.6
1.5°	7843.0
2°	7807.2
2.5°	7759.6
3°	7692.3
3.5°	7598.3
4°	7458.8
4.5°	7289.2
5°	7075.4
5.5°	6794.3
6°	6506.1
6.5°	6176.0
7°	5852.8
7.5°	5474.3
8°	5136.4
8.5°	4796.4
9°	4482.3
9.5°	4194.2
10°	3925.7
12.5°	2818.8
15°	1957.2
17.5°	1278.7
20°	806.2
22.5°	522.3
25°	358.9
27.5°	252.4
30°	181.6
32.5°	130.4
35°	92.5
37.5°	64.5
40°	46.3
42.5°	33.6
45°	25.2
47.5°	19.6
50°	13.3
52.5°	8.4
55°	6.3
57.5°	4.9
60°	3.5
62.5°	2.8
65°	2.1



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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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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67.5°		1.4
70°		0.7

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Scaled Data Report



(END OF REPORT)