

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: P760941

Luminaire Tested: LD6D15D010-EU6DR1515309024-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760941  
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: LD6D15D010-EU6DR1515309024-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1159.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 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 (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



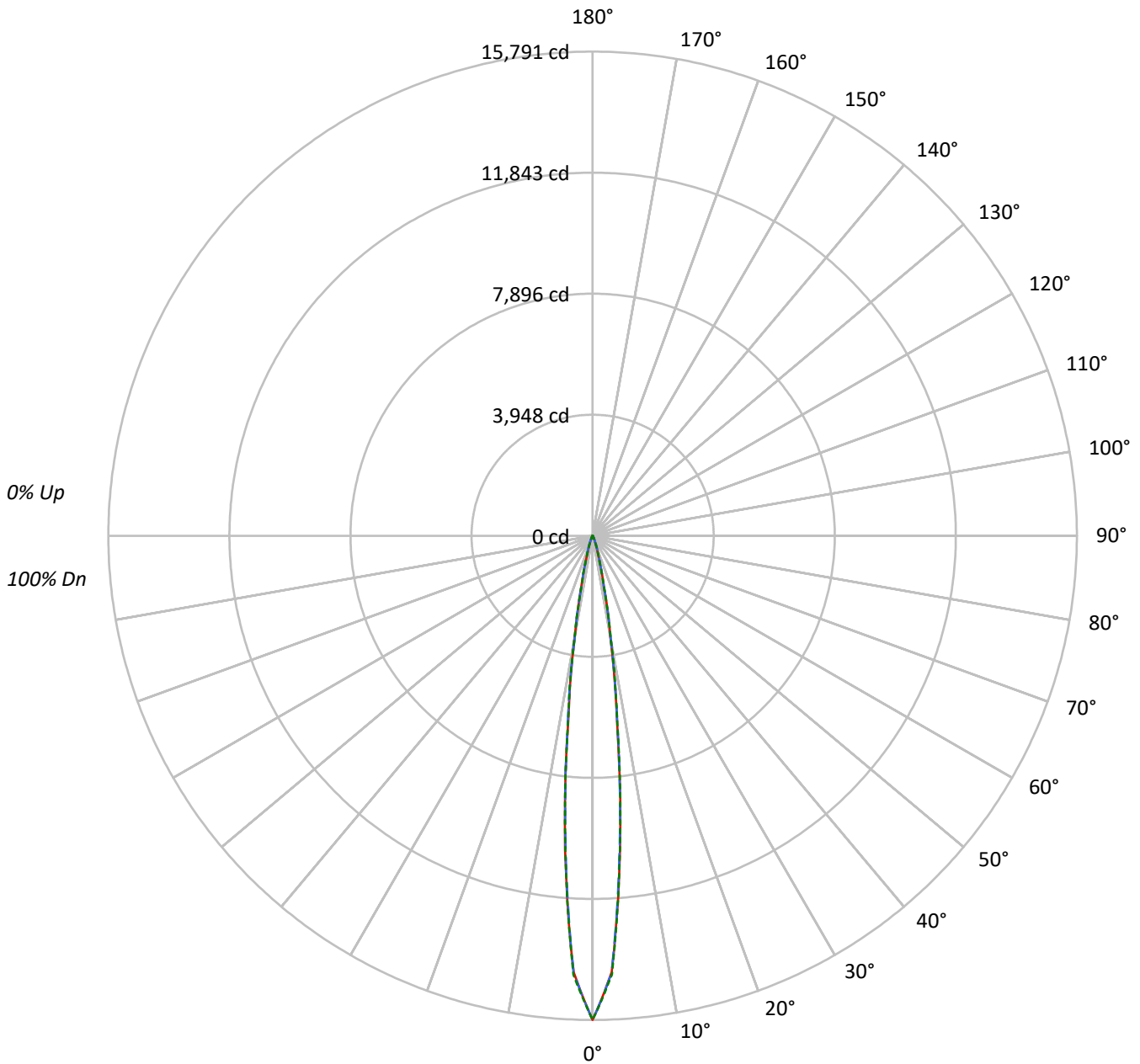
Downlight



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

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

	0°	45°	90°
0°	1776803	1776803	1776803
5°	1044125	1030609	1038759
10°	311629	313803	318608
15°	77511	79022	76582
20°	23189	26854	23688
25°	8180	10415	8281
30°	3003	3954	3055
35°	1503	1699	1460
40°	952	1044	952
45°	700	749	700
50°	556	556	556
55°	466	466	466
60°	372	372	372
65°	285	285	285
70°	241	241	241
75°	151	151	204
80°	102	102	102
85°	58	58	58

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 749 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	751.7	64.9
10°-20°	309.2	26.7
20°-30°	61.4	5.3
30°-40°	15.3	1.3
40°-50°	8.1	0.7
50°-60°	6.0	0.5
60°-70°	4.2	0.4
70°-80°	2.4	0.2
80°-90°	0.7	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°	1122.3	96.8
0°-40°	1137.6	98.2
0°-60°	1151.6	99.4
0°-90°	1159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1159.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15791	15791	15791	15791	15791	
5°	10274	10168	10141	10211	10221	750
15°	892	909	910	894	882	306
25°	105	119	134	118	106	55
35°	21	22	23	22	20	14
45°	10	10	11	10	10	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	2
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°	15791.0	15791.0	15791.0	15791.0	15791.0
2.5°	14244.1	14256.1	14260.8	14274.8	14327.0
5°	10273.9	10168.3	10140.9	10211.1	10221.1
7.5°	6085.9	6107.3	6185.5	6202.9	6140.0
10°	3339.8	3367.2	3363.1	3387.2	3414.6
12.5°	1708.0	1686.6	1679.9	1707.3	1669.2
15°	892.4	909.1	909.8	893.8	881.7
17.5°	480.0	499.4	531.4	505.4	465.3
20°	283.4	300.8	328.2	306.8	289.5
22.5°	175.1	189.2	208.6	191.9	177.8
25°	105.0	119.0	133.7	118.3	106.3
27.5°	62.2	74.2	83.6	73.5	61.5
30°	40.1	46.8	52.8	46.1	40.8
32.5°	28.1	30.8	33.4	30.8	28.1
35°	20.7	22.1	23.4	22.1	20.1
37.5°	16.0	17.4	18.0	16.7	15.4
40°	13.4	14.0	14.7	14.0	13.4
42.5°	11.4	12.0	12.0	12.0	11.4
45°	10.0	10.0	10.7	10.0	10.0
47.5°	8.7	8.7	9.4	8.7	8.7
50°	8.0	8.0	8.0	8.0	8.0
52.5°	7.4	7.4	7.4	7.4	7.4
55°	6.7	6.7	6.7	6.7	6.7
57.5°	6.0	6.0	6.0	6.0	6.0
60°	5.3	5.3	5.3	5.3	5.3
62.5°	4.7	4.7	4.7	4.7	4.7
65°	4.0	4.0	4.0	4.0	4.0
67.5°	4.0	4.0	4.0	4.0	4.0
70°	3.3	3.3	3.3	3.3	3.3
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.0	2.0	2.0	2.0	2.7
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
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

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

Scaled Data Report



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Scaled Data Report







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

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