

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: P761192

Luminaire Tested: LD6D15D010-EU6DR300215IC9027-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761192  
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: LD6D15D010-EU6DR300215IC9027-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1110.4 lumens  
Efficiency: N/A  
Efficacy: 70.3 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 (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

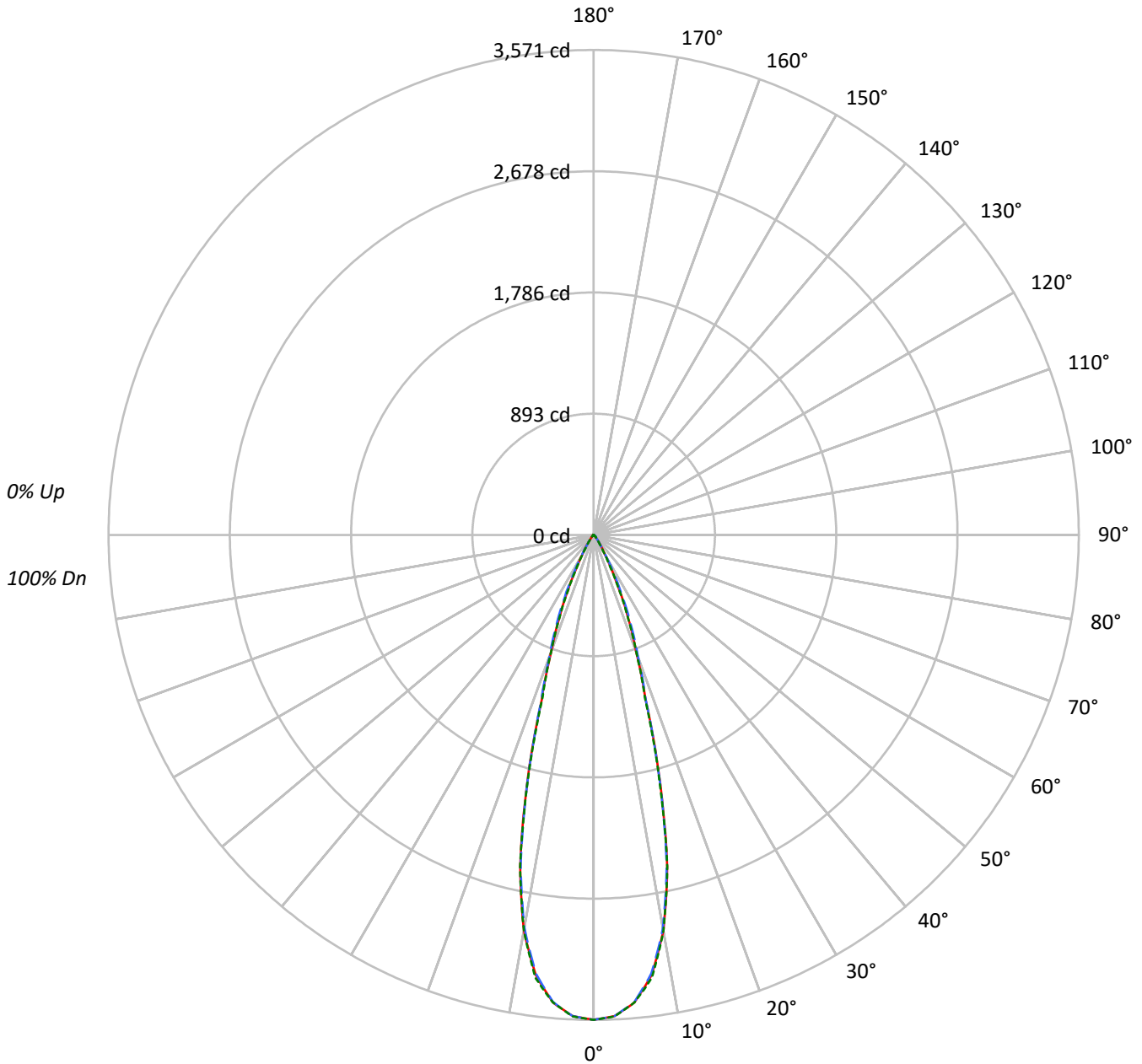


Downlight



TEST NUMBER: P761192  
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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	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°	45°	90°
0°	273306	273306	273306
5°	265468	265153	265475
10°	229932	228307	229877
15°	150016	149208	148463
20°	74597	77399	74491
25°	37583	42372	36806
30°	15043	16395	13107
35°	6980	6681	5597
40°	3008	3347	2838
45°	2132	2641	2143
50°	726	1917	774
55°	427	801	440
60°	291	352	291
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2641 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.0	28.3
10°-20°	505.7	45.5
20°-30°	218.5	19.7
30°-40°	49.8	4.5
40°-50°	17.1	1.5
50°-60°	4.2	0.4
60°-70°	1.1	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°	1038.2	93.5
0°-40°	1088.0	98.0
0°-60°	1109.3	99.9
0°-90°	1110.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1110.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3571	3571	3571	3571	3571	
5°	3455	3452	3451	3458	3455	314
15°	1893	1870	1883	1877	1874	507
25°	445	462	502	450	436	213
35°	75	76	72	71	60	51
45°	20	24	24	24	20	14
55°	3	3	6	4	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3570.6	3570.6	3570.6	3570.6	3570.6
2.5°	3547.0	3544.5	3545.9	3547.7	3548.3
5°	3455.0	3451.6	3450.9	3458.1	3455.1
7.5°	3269.3	3264.6	3257.3	3273.7	3288.9
10°	2958.3	2953.0	2937.4	2945.1	2957.6
12.5°	2499.2	2482.1	2481.8	2506.4	2503.0
15°	1893.1	1870.3	1882.9	1876.8	1873.5
17.5°	1273.1	1264.3	1281.1	1276.1	1254.1
20°	915.8	918.1	950.2	934.0	914.5
22.5°	668.3	676.5	714.5	673.0	657.7
25°	445.0	461.7	501.7	450.0	435.8
27.5°	273.6	281.4	321.9	270.1	262.4
30°	170.2	166.4	185.5	159.2	148.3
32.5°	111.7	106.7	112.9	101.4	92.6
35°	74.7	76.3	71.5	71.0	59.9
37.5°	46.6	53.6	47.3	50.5	38.6
40°	30.1	38.9	33.5	37.0	28.4
42.5°	24.7	30.0	27.5	29.3	25.3
45°	19.7	24.4	24.4	24.4	19.8
47.5°	10.9	16.3	20.9	16.7	11.6
50°	6.1	8.3	16.1	8.6	6.5
52.5°	4.2	4.8	11.1	4.9	4.4
55°	3.2	3.3	6.0	3.5	3.3
57.5°	2.5	2.6	3.2	2.6	2.5
60°	1.9	1.9	2.3	2.1	1.9
62.5°	1.4	1.4	1.6	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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

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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(END OF REPORT)