

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: P756951

Luminaire Tested: LD6D02D010-EU6DR150210IC9050-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756951  
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: LD6D02D010-EU6DR150210IC9050-6LBCSSQMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 359.3 lumens  
Efficiency: N/A  
Efficacy: 70.5 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): 5.1  
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

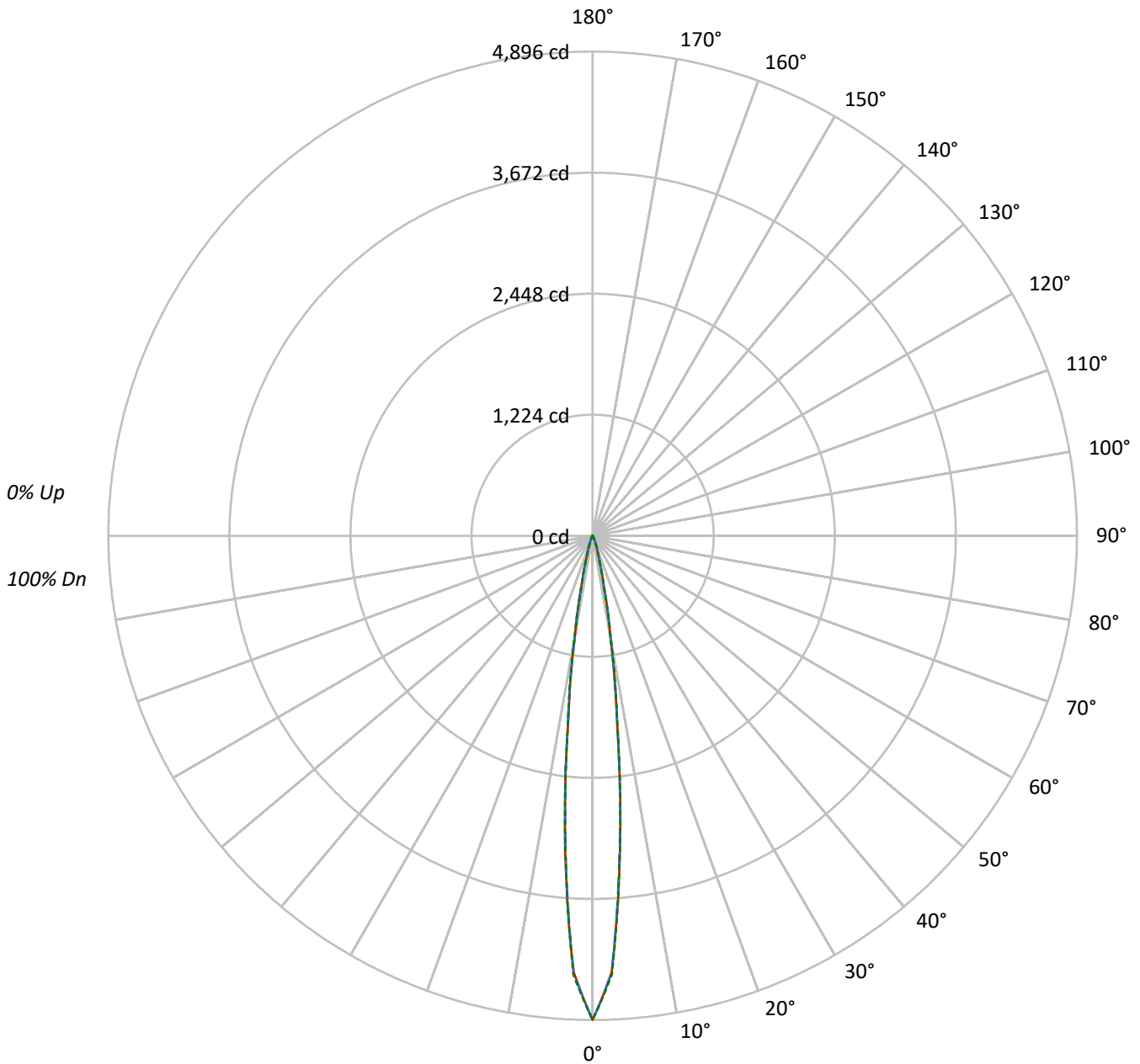


Downlight



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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					70					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	99	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	99	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°	550898	550898	550898
5°	323729	319542	322072
10°	96620	97292	98785
15°	24033	24502	23747
20°	7192	8330	7340
25°	2532	3233	2571
30°	929	1228	944
35°	465	530	450
40°	291	327	291
45°	217	231	217
50°	174	174	174
55°	146	146	146
60°	119	119	119
65°	86	86	86
70°	73	73	73
75°	45	45	60
80°	32	32	32
85°	17	17	17

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 231 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.1	64.9
10°-20°	95.9	26.7
20°-30°	19.0	5.3
30°-40°	4.8	1.3
40°-50°	2.5	0.7
50°-60°	1.9	0.5
60°-70°	1.3	0.4
70°-80°	0.7	0.2
80°-90°	0.2	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°	348.0	96.8
0°-40°	352.7	98.2
0°-60°	357.1	99.4
0°-90°	359.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	359.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4896	4896	4896	4896	4896	
5°	3185	3153	3144	3166	3169	233
15°	277	282	282	277	273	95
25°	32	37	42	37	33	17
35°	6	7	7	7	6	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	4896.0	4896.0	4896.0	4896.0	4896.0
2.5°	4416.4	4420.1	4421.5	4425.9	4442.1
5°	3185.4	3152.7	3144.2	3165.9	3169.1
7.5°	1886.9	1893.6	1917.8	1923.2	1903.7
10°	1035.5	1044.0	1042.7	1050.2	1058.7
12.5°	529.6	522.9	520.9	529.3	517.5
15°	276.7	281.9	282.1	277.1	273.4
17.5°	148.8	154.8	164.8	156.7	144.3
20°	87.9	93.3	101.8	95.1	89.7
22.5°	54.3	58.7	64.7	59.5	55.1
25°	32.5	36.9	41.5	36.7	33.0
27.5°	19.3	23.0	25.9	22.8	19.1
30°	12.4	14.5	16.4	14.3	12.6
32.5°	8.7	9.5	10.4	9.5	8.7
35°	6.4	6.8	7.3	6.8	6.2
37.5°	5.0	5.4	5.6	5.2	4.8
40°	4.1	4.4	4.6	4.4	4.1
42.5°	3.5	3.7	3.7	3.7	3.5
45°	3.1	3.1	3.3	3.1	3.1
47.5°	2.7	2.7	2.9	2.7	2.7
50°	2.5	2.5	2.5	2.5	2.5
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.1	2.1	2.1	2.1	2.1
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.8
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
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)