

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: P757192

Luminaire Tested: LD6D02D010-EU6DR300210IC9050-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757192  
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: LD6D02D010-EU6DR300210IC9050-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 399.4 lumens  
Efficiency: N/A  
Efficacy: 78.3 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): 5.1  
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

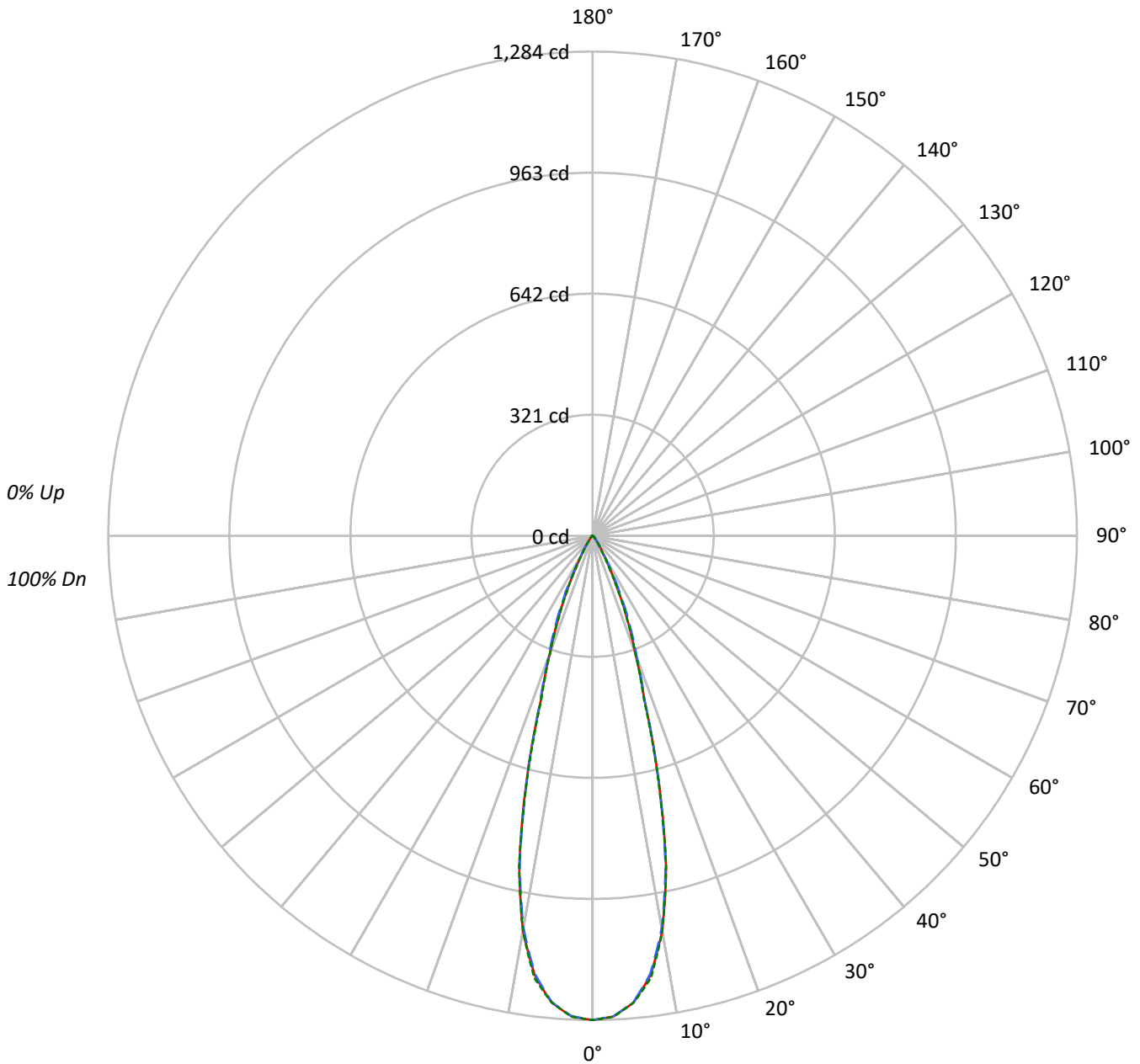


Downlight



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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													
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°	98305	98305	98305
5°	95484	95376	95492
10°	82706	82123	82691
15°	53965	53672	53402
20°	26832	27842	26799
25°	13513	15244	13243
30°	5409	5895	4711
35°	2514	2401	2009
40°	1079	1199	1019
45°	758	953	769
50°	262	691	274
55°	147	280	160
60°	107	122	107
65°	72	72	72
70°	45	22	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 953 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.9	28.3
10°-20°	181.9	45.5
20°-30°	78.6	19.7
30°-40°	17.9	4.5
40°-50°	6.2	1.5
50°-60°	1.5	0.4
60°-70°	0.4	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°	373.4	93.5
0°-40°	391.3	98.0
0°-60°	399.0	99.9
0°-90°	399.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1284	1284	1284	1284	1284	
5°	1243	1242	1241	1244	1243	113
15°	681	673	677	675	674	182
25°	160	166	180	162	157	77
35°	27	27	26	26	22	18
45°	7	9	9	9	7	5
55°	1	1	2	1	1	1
65°	0	0	0	0	0	0
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°	1284.3	1284.3	1284.3	1284.3	1284.3
2.5°	1275.8	1274.9	1275.4	1276.1	1276.4
5°	1242.7	1241.5	1241.3	1243.9	1242.8
7.5°	1176.0	1174.3	1171.7	1177.5	1183.0
10°	1064.1	1062.2	1056.6	1059.4	1063.9
12.5°	899.0	892.8	892.7	901.5	900.3
15°	681.0	672.8	677.3	675.1	673.9
17.5°	457.9	454.8	460.8	459.0	451.1
20°	329.4	330.2	341.8	336.0	329.0
22.5°	240.4	243.3	257.0	242.1	236.6
25°	160.0	166.1	180.5	161.9	156.8
27.5°	98.4	101.2	115.8	97.2	94.4
30°	61.2	59.8	66.7	57.2	53.3
32.5°	40.2	38.4	40.6	36.4	33.3
35°	26.9	27.4	25.7	25.6	21.5
37.5°	16.8	19.3	17.0	18.2	13.9
40°	10.8	14.0	12.0	13.3	10.2
42.5°	8.9	10.8	9.9	10.5	9.1
45°	7.0	8.8	8.8	8.8	7.1
47.5°	3.9	5.8	7.5	6.0	4.2
50°	2.2	3.0	5.8	3.1	2.3
52.5°	1.5	1.7	4.0	1.8	1.6
55°	1.1	1.2	2.1	1.3	1.2
57.5°	0.9	1.0	1.1	1.0	0.9
60°	0.7	0.7	0.8	0.7	0.7
62.5°	0.5	0.5	0.6	0.5	0.5
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.1	0.1	0.1	0.2
72.5°	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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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