

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: P757194

Luminaire Tested: LD6D02D010-EU6DR300210IC9050-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757194  
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-EU6DR300210IC9050-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 379.7 lumens  
Efficiency: N/A  
Efficacy: 74.4 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



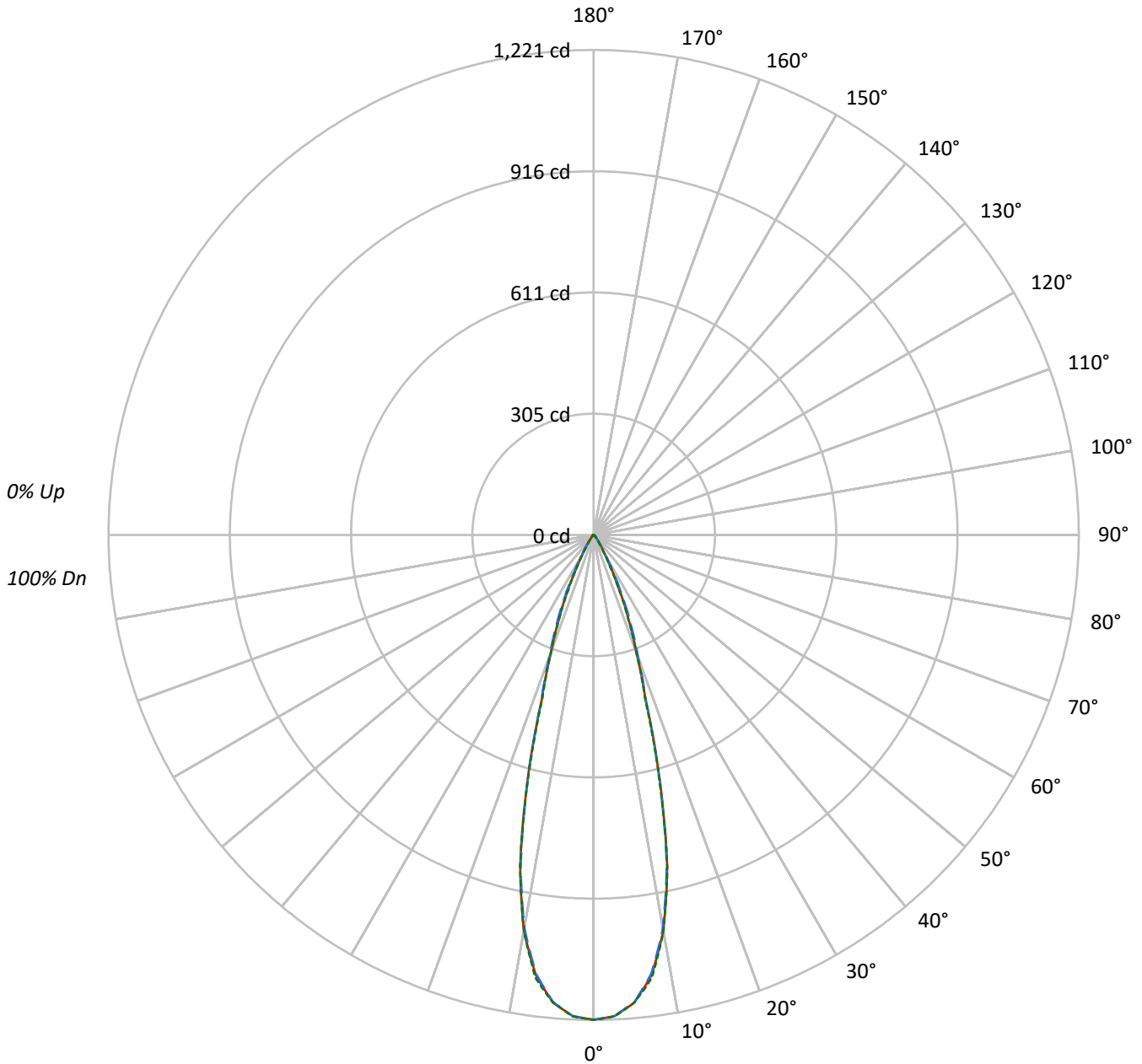
Downlight



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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°	93444	93444	93444
5°	90766	90659	90774
10°	78618	78058	78602
15°	51294	51017	50763
20°	25504	26465	25471
25°	12846	14484	12584
30°	5144	5604	4481
35°	2392	2289	1916
40°	1029	1149	969
45°	725	898	736
50°	250	655	262
55°	147	280	147
60°	107	122	107
65°	54	54	54
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: 898 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.4	28.3
10°-20°	172.9	45.5
20°-30°	74.7	19.7
30°-40°	17.0	4.5
40°-50°	5.8	1.5
50°-60°	1.4	0.4
60°-70°	0.3	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°	355.0	93.5
0°-40°	372.0	98.0
0°-60°	379.3	99.9
0°-90°	379.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	379.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1221	1221	1221	1221	1221	
5°	1181	1180	1180	1182	1181	107
15°	647	640	644	642	641	173
25°	152	158	172	154	149	73
35°	26	26	24	24	20	17
45°	7	8	8	8	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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1212.8	1211.9	1212.4	1213.0	1213.2
5°	1181.3	1180.2	1179.9	1182.3	1181.4
7.5°	1117.8	1116.2	1113.8	1119.3	1124.5
10°	1011.5	1009.7	1004.3	1007.0	1011.3
12.5°	854.5	848.7	848.5	857.0	855.8
15°	647.3	639.5	643.8	641.7	640.6
17.5°	435.3	432.3	438.0	436.3	428.8
20°	313.1	313.9	324.9	319.4	312.7
22.5°	228.5	231.3	244.3	230.1	224.9
25°	152.1	157.9	171.5	153.8	149.0
27.5°	93.6	96.2	110.1	92.4	89.7
30°	58.2	56.9	63.4	54.4	50.7
32.5°	38.2	36.5	38.6	34.7	31.6
35°	25.6	26.1	24.5	24.3	20.5
37.5°	15.9	18.3	16.2	17.2	13.2
40°	10.3	13.3	11.5	12.7	9.7
42.5°	8.5	10.3	9.4	10.0	8.7
45°	6.7	8.3	8.3	8.3	6.8
47.5°	3.7	5.6	7.1	5.7	4.0
50°	2.1	2.8	5.5	2.9	2.2
52.5°	1.4	1.6	3.8	1.7	1.5
55°	1.1	1.1	2.1	1.2	1.1
57.5°	0.9	0.9	1.1	0.9	0.9
60°	0.7	0.7	0.8	0.7	0.7
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.3	0.3	0.3	0.3
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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