

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: P757125

Luminaire Tested: LD6D02D010-EU6DR300210IC9024-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757125  
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-EU6DR300210IC9024-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 275.5 lumens  
Efficiency: N/A  
Efficacy: 54.0 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



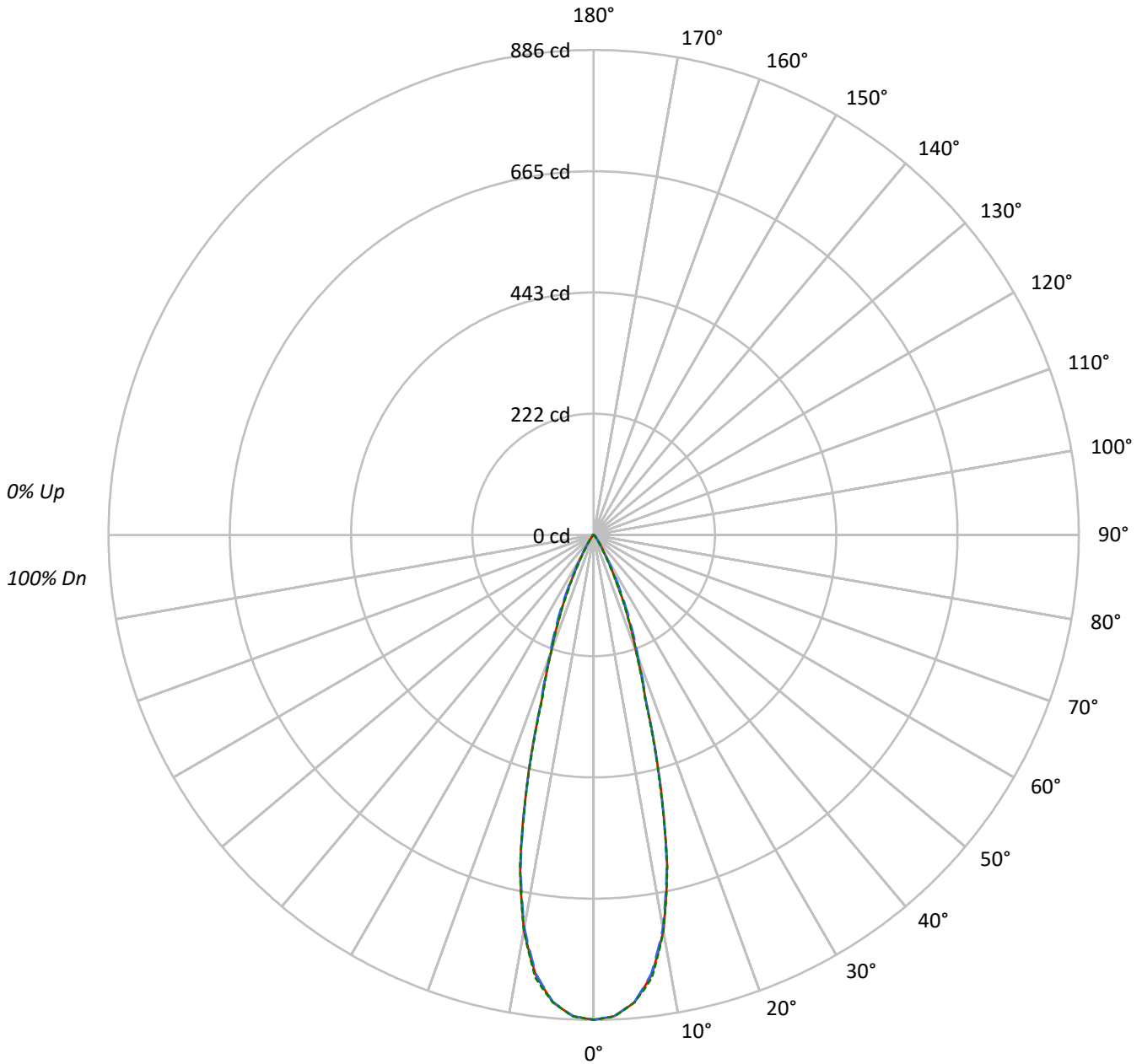
Downlight



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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°	67794	67794	67794
5°	65848	65771	65856
10°	57034	56638	57026
15°	37213	37015	36824
20°	18507	19199	18482
25°	9324	10506	9130
30°	3730	4066	3253
35°	1729	1663	1392
40°	749	829	699
45°	530	660	530
50°	179	476	191
55°	107	200	107
60°	77	92	77
65°	54	54	54
70°	22	22	22
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 660 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.9	28.3
10°-20°	125.4	45.5
20°-30°	54.2	19.7
30°-40°	12.4	4.5
40°-50°	4.2	1.5
50°-60°	1.0	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°	257.5	93.5
0°-40°	269.9	98.0
0°-60°	275.2	99.9
0°-90°	275.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	886	886	886	886	886	
5°	857	856	856	858	857	78
15°	470	464	467	466	465	126
25°	110	114	124	112	108	53
35°	18	19	18	18	15	13
45°	5	6	6	6	5	3
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°	885.7	885.7	885.7	885.7	885.7
2.5°	879.9	879.3	879.6	880.1	880.2
5°	857.0	856.2	856.0	857.8	857.1
7.5°	811.0	809.8	808.0	812.1	815.9
10°	733.8	732.5	728.7	730.6	733.7
12.5°	619.9	615.8	615.6	621.7	620.9
15°	469.6	464.0	467.1	465.6	464.7
17.5°	315.8	313.6	317.8	316.6	311.1
20°	227.2	227.7	235.7	231.7	226.9
22.5°	165.8	167.8	177.3	167.0	163.2
25°	110.4	114.5	124.4	111.6	108.1
27.5°	67.9	69.8	79.9	67.0	65.1
30°	42.2	41.3	46.0	39.5	36.8
32.5°	27.7	26.5	28.0	25.2	23.0
35°	18.5	18.9	17.8	17.6	14.9
37.5°	11.6	13.3	11.7	12.5	9.6
40°	7.5	9.6	8.3	9.2	7.0
42.5°	6.1	7.4	6.8	7.3	6.2
45°	4.9	6.1	6.1	6.1	4.9
47.5°	2.7	4.1	5.2	4.1	2.9
50°	1.5	2.1	4.0	2.1	1.6
52.5°	1.0	1.1	2.8	1.2	1.1
55°	0.8	0.8	1.5	0.9	0.8
57.5°	0.6	0.6	0.8	0.6	0.6
60°	0.5	0.5	0.6	0.5	0.5
62.5°	0.3	0.3	0.4	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.1	0.2	0.2	0.2	0.2
70°	0.1	0.1	0.1	0.1	0.1
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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