

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: P757134

Luminaire Tested: LD6D02D010-EU6DR300210IC9027-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757134  
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-EU6DR300210IC9027-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST 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: 313.1 lumens  
Efficiency: N/A  
Efficacy: 61.4 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 (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

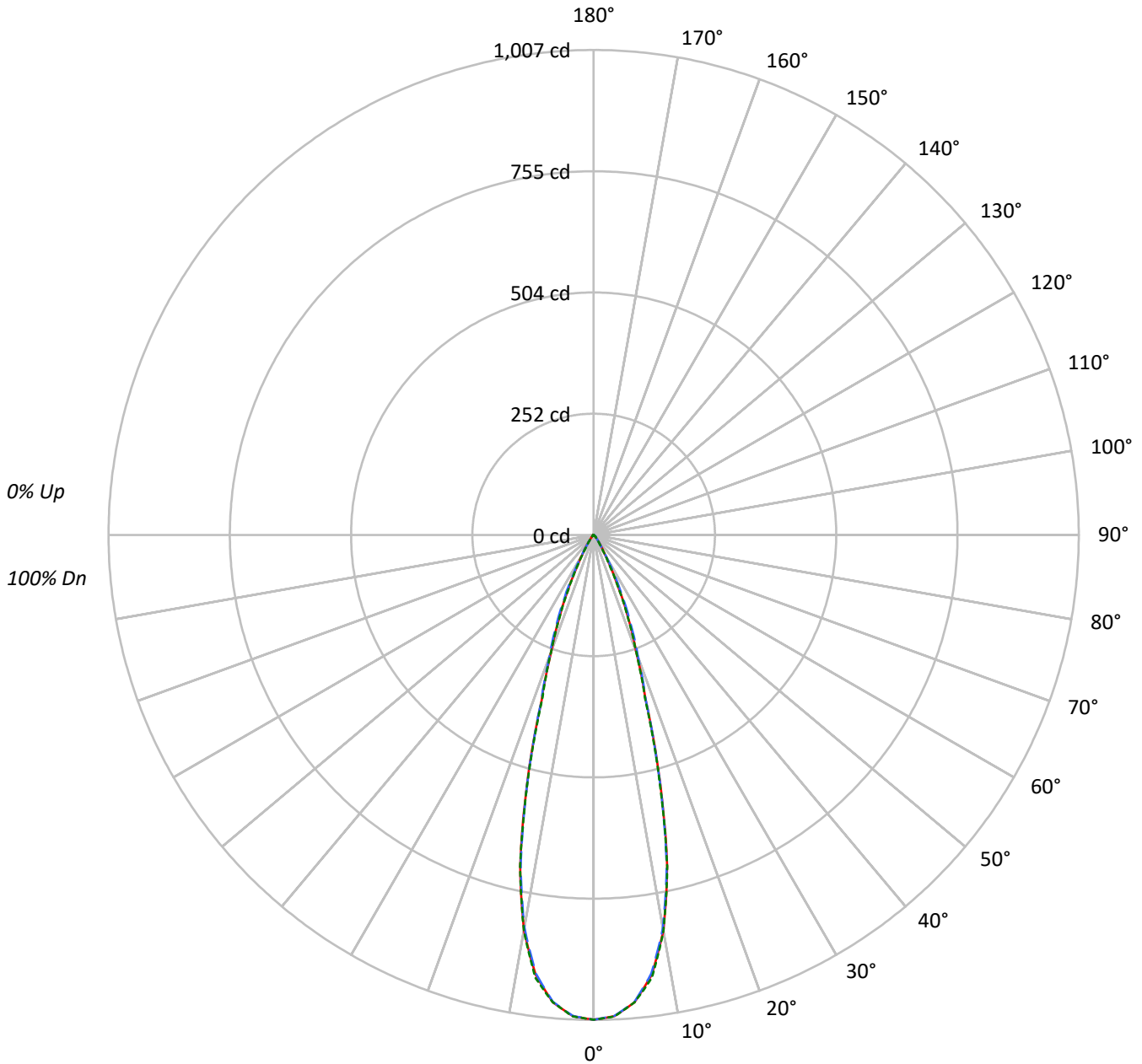


Downlight



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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									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°	77056	77056	77056
5°	74846	74754	74846
10°	64822	64363	64814
15°	42300	42070	41856
20°	21032	21822	20999
25°	10591	11951	10380
30°	4242	4623	3694
35°	1962	1888	1579
40°	849	949	799
45°	606	747	606
50°	202	536	214
55°	120	227	120
60°	77	92	77
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: 747 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.5	28.3
10°-20°	142.6	45.5
20°-30°	61.6	19.7
30°-40°	14.0	4.5
40°-50°	4.8	1.5
50°-60°	1.2	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°	292.7	93.5
0°-40°	306.7	98.0
0°-60°	312.7	99.9
0°-90°	313.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	313.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1007	1007	1007	1007	1007	
5°	974	973	973	975	974	89
15°	534	527	531	529	528	143
25°	125	130	142	127	123	60
35°	21	22	20	20	17	14
45°	6	7	7	7	6	4
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°	1006.7	1006.7	1006.7	1006.7	1006.7
2.5°	1000.0	999.3	999.7	1000.2	1000.4
5°	974.1	973.2	972.9	974.9	974.1
7.5°	921.7	920.4	918.4	923.0	927.3
10°	834.0	832.6	828.1	830.3	833.9
12.5°	704.6	699.8	699.7	706.6	705.7
15°	533.8	527.3	530.9	529.1	528.2
17.5°	359.0	356.4	361.2	359.8	353.6
20°	258.2	258.9	267.9	263.3	257.8
22.5°	188.4	190.7	201.4	189.8	185.5
25°	125.4	130.2	141.5	126.9	122.9
27.5°	77.2	79.4	90.8	76.1	74.0
30°	48.0	46.9	52.3	44.9	41.8
32.5°	31.5	30.1	31.9	28.6	26.1
35°	21.0	21.5	20.2	20.0	16.9
37.5°	13.1	15.1	13.3	14.2	10.9
40°	8.5	11.0	9.5	10.4	8.0
42.5°	7.0	8.5	7.7	8.3	7.1
45°	5.6	6.9	6.9	6.9	5.6
47.5°	3.0	4.6	5.9	4.7	3.3
50°	1.7	2.3	4.5	2.4	1.8
52.5°	1.2	1.3	3.1	1.4	1.3
55°	0.9	0.9	1.7	1.0	0.9
57.5°	0.7	0.7	0.9	0.7	0.7
60°	0.5	0.5	0.6	0.6	0.5
62.5°	0.4	0.4	0.5	0.4	0.4
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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(END OF REPORT)