

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: P757121

Luminaire Tested: LD6D02D010-EU6DR300210IC9024-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757121  
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-EU6DR300210IC9024-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST 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: 282.0 lumens  
Efficiency: N/A  
Efficacy: 55.3 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 (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



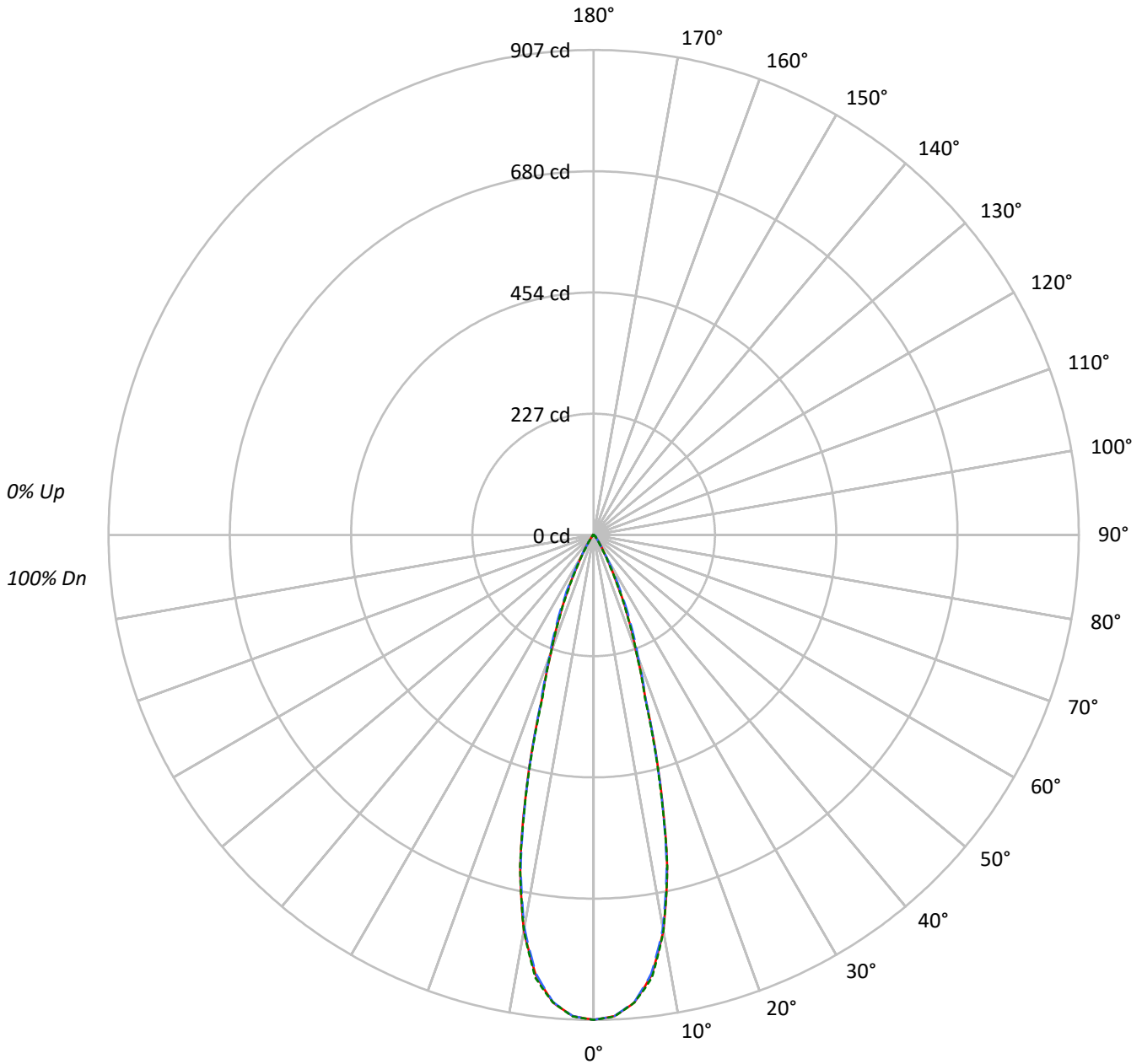
Downlight



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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°	69417	69417	69417
5°	67423	67339	67423
10°	58402	57982	58379
15°	38100	37894	37704
20°	18947	19655	18922
25°	9544	10760	9349
30°	3827	4163	3323
35°	1775	1701	1420
40°	769	849	719
45°	541	671	541
50°	179	488	202
55°	107	200	120
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: 671 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.7	28.3
10°-20°	128.4	45.5
20°-30°	55.5	19.7
30°-40°	12.6	4.5
40°-50°	4.3	1.5
50°-60°	1.1	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°	263.7	93.5
0°-40°	276.3	98.0
0°-60°	281.7	99.9
0°-90°	282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	878	877	876	878	878	80
15°	481	475	478	477	476	129
25°	113	117	127	114	111	54
35°	19	19	18	18	15	13
45°	5	6	6	6	5	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°	906.9	906.9	906.9	906.9	906.9
2.5°	900.9	900.2	900.6	901.0	901.2
5°	877.5	876.6	876.4	878.3	877.5
7.5°	830.3	829.1	827.3	831.5	835.3
10°	751.4	750.0	746.0	748.0	751.1
12.5°	634.7	630.4	630.3	636.5	635.7
15°	480.8	475.0	478.2	476.7	475.8
17.5°	323.3	321.1	325.4	324.1	318.5
20°	232.6	233.2	241.3	237.2	232.3
22.5°	169.7	171.8	181.5	170.9	167.1
25°	113.0	117.3	127.4	114.3	110.7
27.5°	69.5	71.4	81.8	68.6	66.6
30°	43.3	42.2	47.1	40.5	37.6
32.5°	28.4	27.1	28.6	25.7	23.5
35°	19.0	19.4	18.2	18.0	15.2
37.5°	11.9	13.6	12.0	12.8	9.8
40°	7.7	9.9	8.5	9.4	7.2
42.5°	6.3	7.6	7.0	7.4	6.4
45°	5.0	6.2	6.2	6.2	5.0
47.5°	2.8	4.1	5.3	4.2	2.9
50°	1.5	2.1	4.1	2.2	1.7
52.5°	1.1	1.2	2.8	1.3	1.1
55°	0.8	0.9	1.5	0.9	0.9
57.5°	0.6	0.7	0.8	0.7	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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