

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: P759182

Luminaire Tested: LD6D08D010-EU6DR300210IC9030-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759182  
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: LD6D08D010-EU6DR300210IC9030-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 839.1 lumens  
Efficiency: N/A  
Efficacy: 94.3 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): 8.9  
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

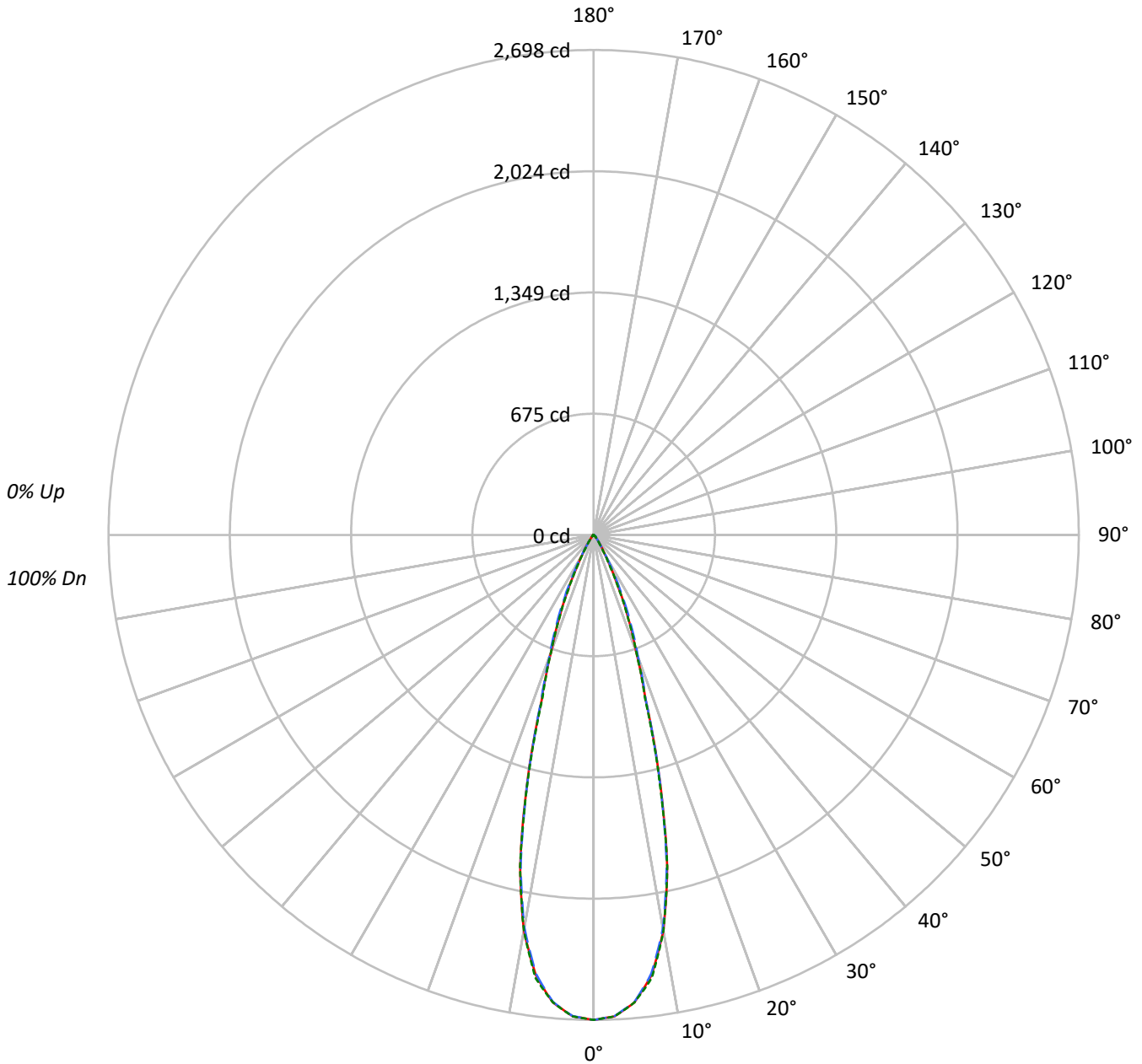


Downlight



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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	87	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°	206522	206522	206522
5°	200595	200365	200603
10°	173745	172524	173706
15°	113358	112756	112185
20°	56367	58485	56294
25°	28394	32017	27811
30°	11366	12383	9908
35°	5270	5046	4233
40°	2278	2528	2148
45°	1602	1992	1624
50°	548	1453	583
55°	320	601	334
60°	214	260	214
65°	145	145	145
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1992 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.3	28.3
10°-20°	382.1	45.5
20°-30°	165.1	19.7
30°-40°	37.6	4.5
40°-50°	12.9	1.5
50°-60°	3.2	0.4
60°-70°	0.8	0.1
70°-80°	0.1	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°	784.5	93.5
0°-40°	822.1	98.0
0°-60°	838.2	99.9
0°-90°	839.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2698	2698	2698	2698	2698	
5°	2611	2608	2608	2613	2611	237
15°	1430	1413	1423	1418	1416	383
25°	336	349	379	340	329	161
35°	56	58	54	54	45	38
45°	15	18	18	18	15	11
55°	2	2	4	3	2	2
65°	1	1	1	1	1	1
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°	2698.1	2698.1	2698.1	2698.1	2698.1
2.5°	2680.3	2678.4	2679.5	2680.8	2681.3
5°	2610.7	2608.2	2607.7	2613.1	2610.8
7.5°	2470.4	2466.8	2461.4	2473.7	2485.2
10°	2235.4	2231.4	2219.7	2225.5	2234.9
12.5°	1888.5	1875.6	1875.4	1893.9	1891.4
15°	1430.5	1413.3	1422.9	1418.2	1415.7
17.5°	962.0	955.3	968.1	964.2	947.7
20°	692.0	693.7	718.0	705.8	691.1
22.5°	505.0	511.2	539.9	508.6	497.0
25°	336.2	348.9	379.1	340.0	329.3
27.5°	206.8	212.6	243.2	204.1	198.3
30°	128.6	125.7	140.1	120.3	112.1
32.5°	84.4	80.7	85.3	76.5	70.0
35°	56.4	57.6	54.0	53.6	45.3
37.5°	35.2	40.5	35.8	38.2	29.2
40°	22.8	29.4	25.3	28.0	21.5
42.5°	18.7	22.6	20.8	22.1	19.1
45°	14.8	18.4	18.4	18.4	15.0
47.5°	8.2	12.3	15.8	12.6	8.8
50°	4.6	6.2	12.2	6.5	4.9
52.5°	3.2	3.6	8.4	3.7	3.3
55°	2.4	2.5	4.5	2.6	2.5
57.5°	1.8	2.0	2.4	2.0	1.8
60°	1.4	1.4	1.7	1.6	1.4
62.5°	1.0	1.0	1.2	1.0	1.0
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.4	0.5	0.5	0.5	0.5
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	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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