

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: P788334

Luminaire Tested: LER6D08D010-EC6DR300210IC9027-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788334  
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: LER6D08D010-EC6DR300210IC9027-6LBS1MW  
Description: 6 INCH ROUND SHALLOW 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: 1284.0 lumens  
Efficiency: N/A  
Efficacy: 144.3 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

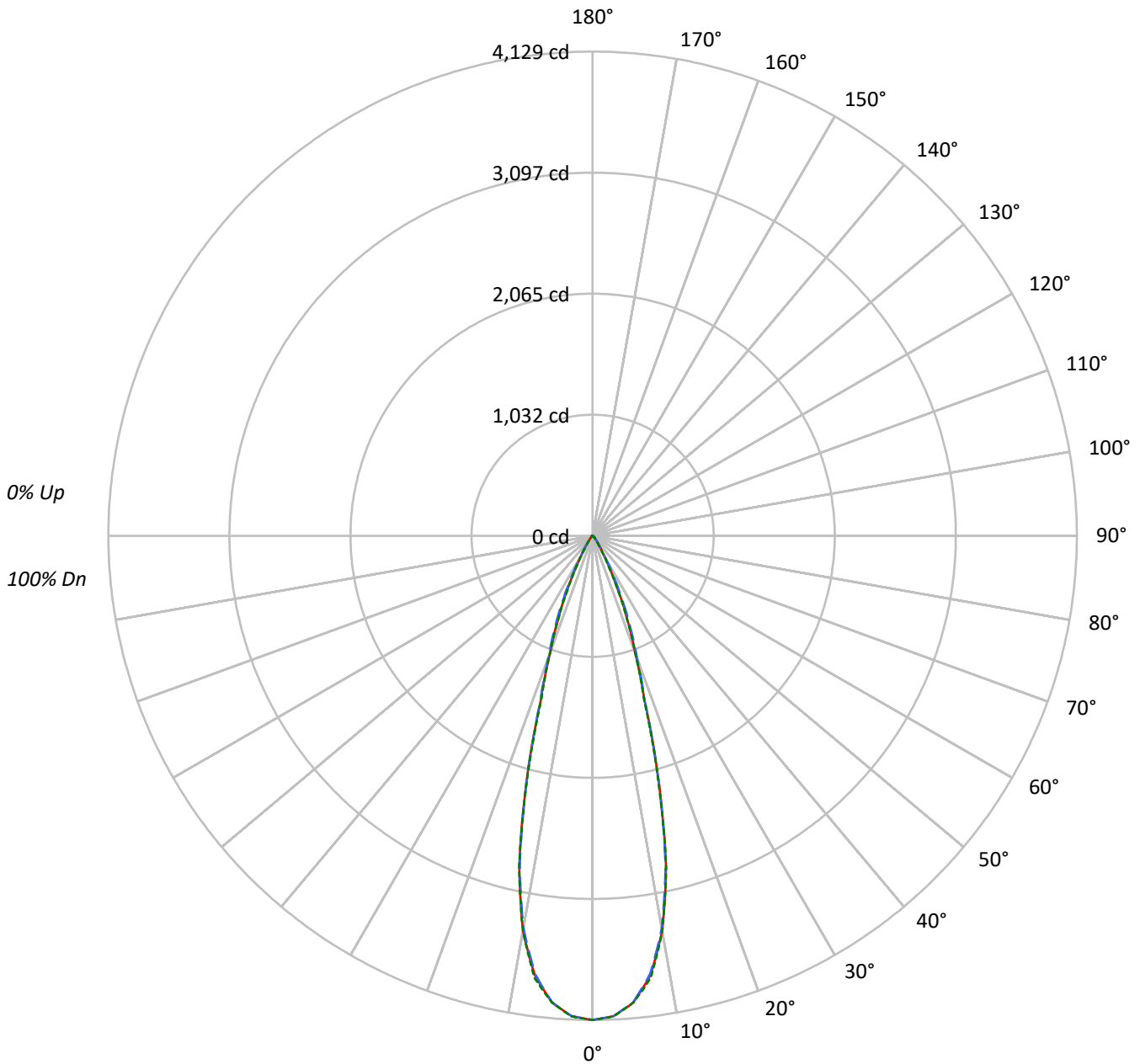
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	316025	316025	316025
5°	306951	306598	306967
10°	265871	263998	265809
15°	173464	172537	171665
20°	86254	89495	86139
25°	43453	48993	42558
30°	17394	18959	15158
35°	8073	7728	6476
40°	3487	3867	3277
45°	2457	3053	2479
50°	845	2215	893
55°	480	921	520
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 3053 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.1	28.3
10°-20°	584.7	45.5
20°-30°	252.7	19.7
30°-40°	57.6	4.5
40°-50°	19.8	1.5
50°-60°	4.8	0.4
60°-70°	1.2	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°	1200.4	93.5
0°-40°	1258.0	98.0
0°-60°	1282.6	99.9
0°-90°	1284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1284.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4129	4129	4129	4129	4129	
5°	3995	3991	3990	3999	3995	363
15°	2189	2163	2177	2170	2166	586
25°	514	534	580	520	504	246
35°	86	88	83	82	69	59
45°	23	28	28	28	23	16
55°	4	4	7	4	4	4
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°	4128.7	4128.7	4128.7	4128.7	4128.7
2.5°	4101.4	4098.5	4100.1	4102.2	4103.0
5°	3994.9	3991.1	3990.3	3998.6	3995.1
7.5°	3780.3	3774.8	3766.5	3785.3	3803.0
10°	3420.7	3414.6	3396.6	3405.5	3419.9
12.5°	2889.8	2870.1	2869.7	2898.1	2894.2
15°	2189.0	2162.7	2177.3	2170.2	2166.3
17.5°	1472.1	1461.9	1481.4	1475.5	1450.2
20°	1058.9	1061.6	1098.7	1080.0	1057.5
22.5°	772.7	782.2	826.2	778.2	760.6
25°	514.5	533.9	580.1	520.3	503.9
27.5°	316.4	325.3	372.2	312.4	303.5
30°	196.8	192.4	214.5	184.1	171.5
32.5°	129.1	123.4	130.5	117.2	107.0
35°	86.4	88.2	82.7	82.1	69.3
37.5°	53.9	62.0	54.7	58.4	44.6
40°	34.9	45.0	38.7	42.8	32.8
42.5°	28.6	34.7	31.8	33.9	29.2
45°	22.7	28.2	28.2	28.2	22.9
47.5°	12.6	18.9	24.1	19.3	13.4
50°	7.1	9.5	18.6	9.9	7.5
52.5°	4.9	5.5	12.8	5.7	5.1
55°	3.6	3.9	6.9	4.1	3.9
57.5°	2.8	3.0	3.6	3.0	2.8
60°	2.2	2.2	2.6	2.4	2.2
62.5°	1.6	1.6	1.8	1.6	1.6
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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