

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P793292

Luminaire Tested: LER6D50D010-EC6DR3040509050-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793292  
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: LER6D50D010-EC6DR3040509050-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6306.6 lumens  
Efficiency: N/A  
Efficacy: 134.2 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

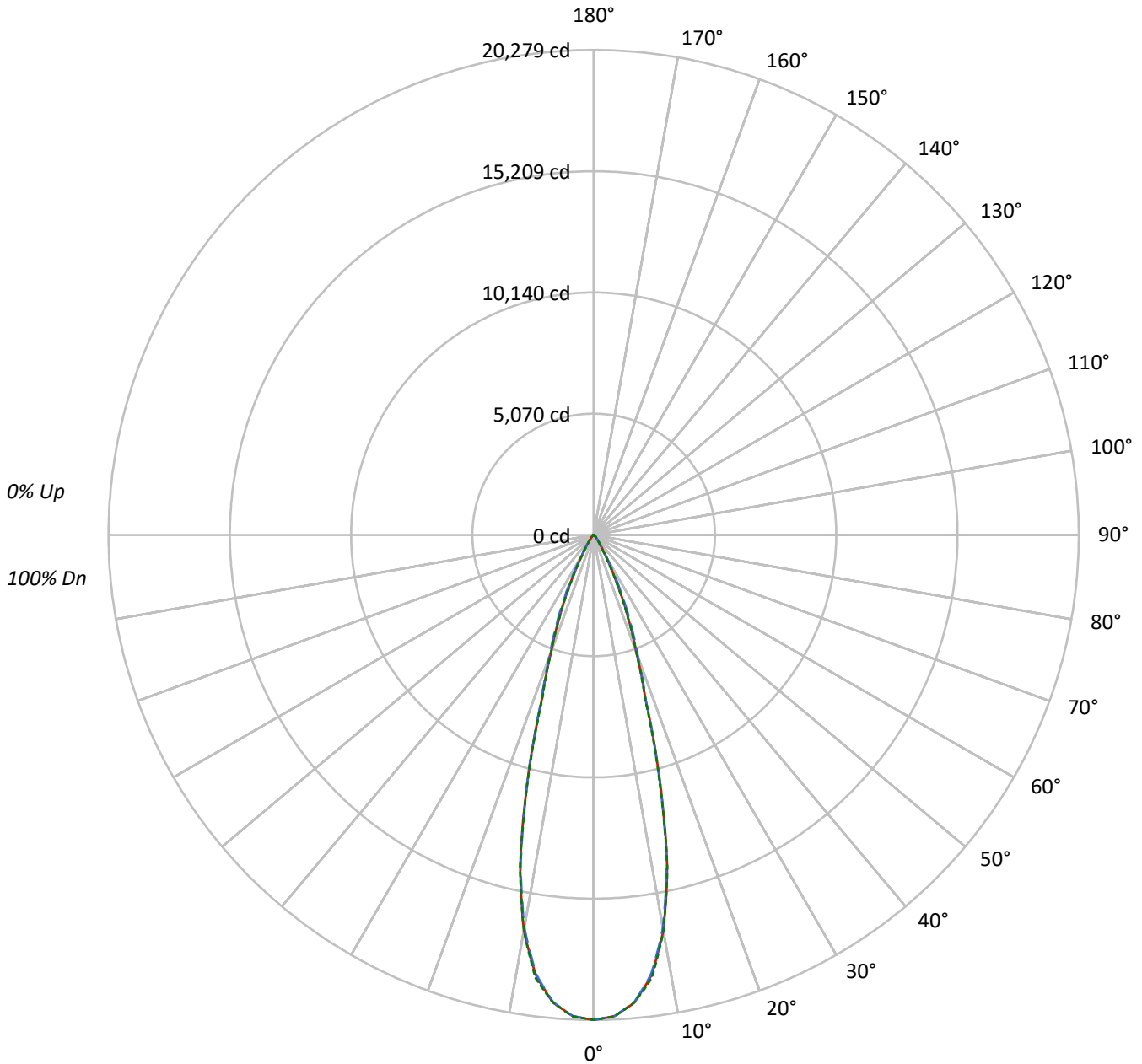
Input Watts (W): 47  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1552201	1552201	1552201
5°	1507641	1505881	1507718
10°	1305844	1296634	1305533
15°	852003	847423	843167
20°	423660	439552	423089
25°	213413	240658	209038
30°	85441	93104	74446
35°	39629	37956	31817
40°	17106	19005	16117
45°	12070	14982	12178
50°	4144	10908	4382
55°	2389	4524	2522
60°	1684	1975	1684
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 14982 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1783.2	28.3
10°-20°	2871.9	45.5
20°-30°	1241.0	19.7
30°-40°	282.8	4.5
40°-50°	97.1	1.5
50°-60°	23.7	0.4
60°-70°	6.2	0.1
70°-80°	0.7	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°	5896.1	93.5
0°-40°	6178.9	98.0
0°-60°	6299.8	99.9
0°-90°	6306.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6306.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20279	20279	20279	20279	20279	
5°	19622	19603	19599	19640	19623	1785
15°	10752	10622	10694	10659	10640	2879
25°	2527	2622	2850	2556	2475	1210
35°	424	433	406	403	340	288
45°	112	138	138	138	112	79
55°	18	19	34	20	19	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20278.7	20278.7	20278.7	20278.7	20278.7
2.5°	20144.3	20130.4	20138.3	20148.3	20152.3
5°	19621.6	19602.7	19598.7	19639.5	19622.6
7.5°	18567.3	18540.4	18499.5	18592.1	18678.8
10°	16801.0	16771.2	16682.5	16726.4	16797.0
12.5°	14193.5	14096.9	14094.9	14234.3	14215.4
15°	10751.7	10622.2	10693.9	10659.1	10640.2
17.5°	7230.2	7180.4	7276.0	7247.1	7122.6
20°	5201.1	5214.0	5396.2	5304.6	5194.1
22.5°	3795.3	3842.1	4058.1	3822.2	3735.6
25°	2526.9	2622.5	2849.5	2555.7	2475.1
27.5°	1554.2	1598.0	1828.0	1534.2	1490.4
30°	966.7	944.8	1053.4	904.0	842.3
32.5°	634.2	606.3	641.2	575.5	525.7
35°	424.1	433.1	406.2	403.2	340.5
37.5°	264.8	304.7	268.8	286.7	219.0
40°	171.2	221.0	190.2	210.1	161.3
42.5°	140.4	170.3	156.3	166.3	143.4
45°	111.5	138.4	138.4	138.4	112.5
47.5°	61.7	92.6	118.5	94.6	65.7
50°	34.8	46.8	91.6	48.8	36.8
52.5°	23.9	26.9	62.7	27.9	24.9
55°	17.9	18.9	33.9	19.9	18.9
57.5°	13.9	14.9	17.9	14.9	13.9
60°	11.0	11.0	12.9	11.9	11.0
62.5°	8.0	8.0	9.0	8.0	8.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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

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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)