

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: P767216

Luminaire Tested: LD6D50D010-EU6DR3040509050-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767216  
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: LD6D50D010-EU6DR3040509050-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5472.0 lumens  
Efficiency: N/A  
Efficacy: 116.4 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

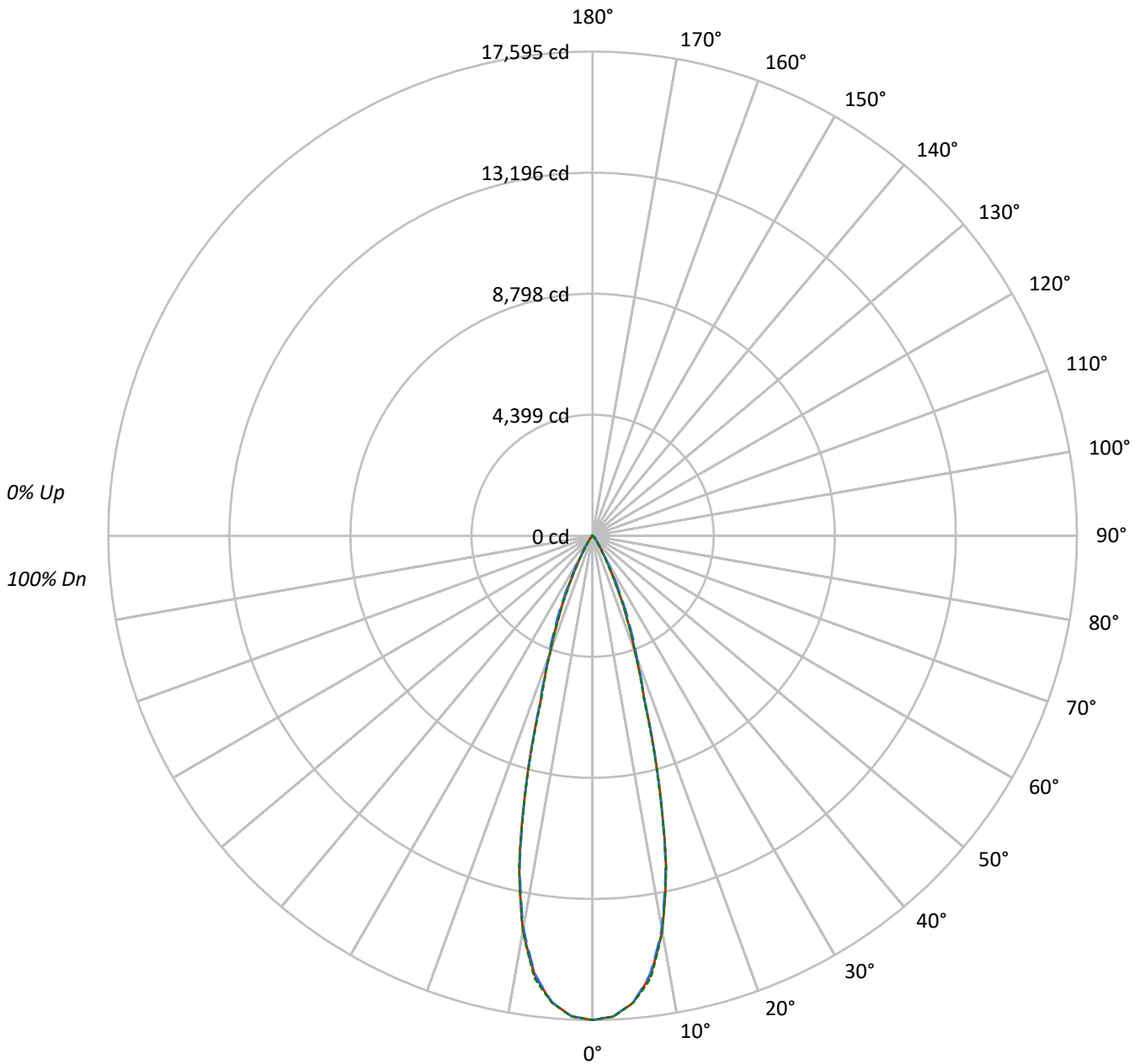
Input Watts (W): 47  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	1346789	1346789	1346789
5°	1308121	1306600	1308191
10°	1133032	1125042	1132768
15°	739247	735277	731584
20°	367594	381384	367105
25°	185170	208810	181378
30°	74137	80784	64592
35°	34387	32938	27603
40°	14848	16487	13979
45°	10478	13001	10565
50°	3596	9467	3811
55°	2068	3923	2189
60°	1454	1715	1454
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 13001 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1547.2	28.3
10°-20°	2491.8	45.5
20°-30°	1076.8	19.7
30°-40°	245.4	4.5
40°-50°	84.3	1.5
50°-60°	20.6	0.4
60°-70°	5.3	0.1
70°-80°	0.6	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°	5115.8	93.5
0°-40°	5361.2	98.0
0°-60°	5466.1	99.9
0°-90°	5472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5472.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17595	17595	17595	17595	17595	
5°	17025	17008	17005	17040	17026	1548
15°	9329	9216	9279	9248	9232	2498
25°	2192	2275	2472	2218	2148	1049
35°	368	376	352	350	295	250
45°	97	120	120	120	98	69
55°	16	16	29	17	16	15
65°	5	5	5	5	5	5
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°	17595.1	17595.1	17595.1	17595.1	17595.1
2.5°	17478.5	17466.4	17473.3	17481.9	17485.4
5°	17024.9	17008.5	17005.1	17040.5	17025.8
7.5°	16110.1	16086.8	16051.4	16131.7	16206.9
10°	14577.6	14551.7	14474.8	14512.8	14574.2
12.5°	12315.2	12231.4	12229.7	12350.6	12334.2
15°	9328.8	9216.5	9278.7	9248.5	9232.1
17.5°	6273.4	6230.2	6313.1	6288.0	6180.1
20°	4512.8	4524.0	4682.1	4602.6	4506.8
22.5°	3293.0	3333.6	3521.1	3316.4	3241.2
25°	2192.5	2275.4	2472.4	2217.5	2147.6
27.5°	1348.5	1386.5	1586.0	1331.2	1293.2
30°	838.8	819.8	914.0	784.4	730.8
32.5°	550.3	526.1	556.3	499.3	456.1
35°	368.0	375.8	352.5	349.9	295.4
37.5°	229.8	264.3	233.2	248.8	190.0
40°	148.6	191.8	165.0	182.3	139.9
42.5°	121.8	147.7	135.6	144.3	124.4
45°	96.8	120.1	120.1	120.1	97.6
47.5°	53.6	80.3	102.8	82.1	57.0
50°	30.2	40.6	79.5	42.3	32.0
52.5°	20.7	23.3	54.4	24.2	21.6
55°	15.5	16.4	29.4	17.3	16.4
57.5°	12.1	13.0	15.5	13.0	12.1
60°	9.5	9.5	11.2	10.4	9.5
62.5°	6.9	6.9	7.8	6.9	6.9
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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



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Scaled Data Report







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

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