

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: P773456

Luminaire Tested: LD6D90BD010-EU6DR3070959050-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773456  
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: LD6D90BD010-EU6DR3070959050-6LBCSSQMW  
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: 10371.7 lumens  
Efficiency: N/A  
Efficacy: 104.9 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

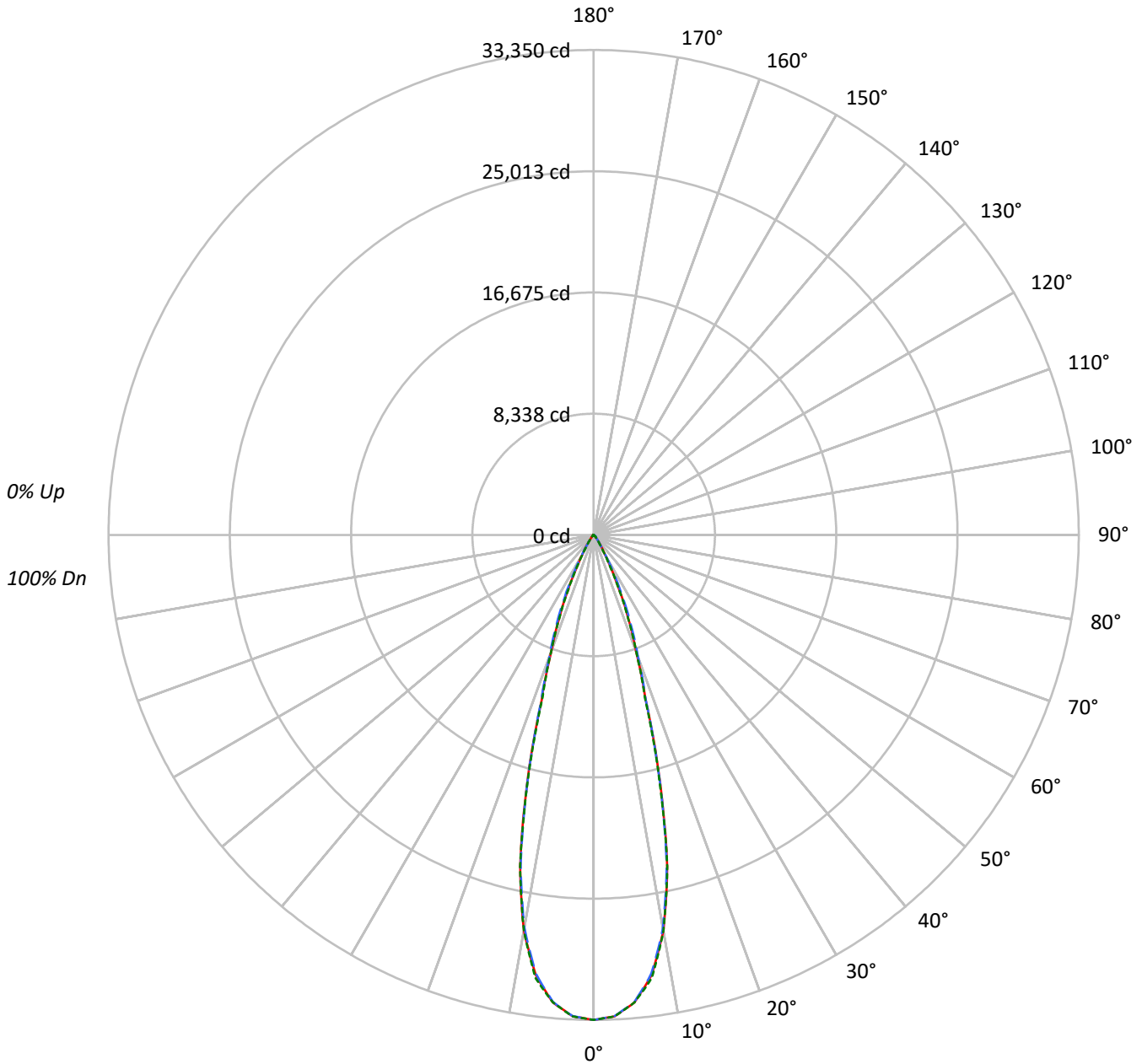
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2552730	2552730	2552730
5°	2479444	2476548	2479567
10°	2147574	2132433	2147069
15°	1401185	1393656	1386651
20°	696740	722887	695812
25°	350975	395779	343779
30°	140523	153109	122430
35°	65176	62419	52328
40°	28138	31245	26509
45°	19853	24637	20026
50°	6823	17934	7216
55°	3937	7433	4150
60°	2756	3261	2756
65°	1775	1775	1775
70°	1097	739	1097
75°	0	473	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 24637 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2932.6	28.3
10°-20°	4723.0	45.5
20°-30°	2040.9	19.7
30°-40°	465.2	4.5
40°-50°	159.7	1.5
50°-60°	39.0	0.4
60°-70°	10.1	0.1
70°-80°	1.1	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°	9696.6	93.5
0°-40°	10161.8	98.0
0°-60°	10360.5	99.9
0°-90°	10371.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10371.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	33350	33350	33350	33350	33350	
5°	32269	32238	32232	32299	32271	2935
15°	17682	17469	17587	17530	17499	4735
25°	4156	4313	4686	4203	4070	1989
35°	698	712	668	663	560	473
45°	183	228	228	228	185	130
55°	30	31	56	33	31	29
65°	10	10	10	10	10	10
75°	0	0	2	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°	33350.1	33350.1	33350.1	33350.1	33350.1
2.5°	33129.0	33106.1	33119.2	33135.6	33142.1
5°	32269.4	32238.3	32231.7	32298.9	32271.0
7.5°	30535.4	30491.2	30424.1	30576.3	30718.8
10°	27630.7	27581.6	27435.9	27507.9	27624.2
12.5°	23342.4	23183.6	23180.3	23409.6	23378.4
15°	17682.0	17469.2	17587.0	17529.7	17498.6
17.5°	11890.6	11808.8	11965.9	11918.5	11713.8
20°	8553.6	8574.9	8874.6	8723.9	8542.2
22.5°	6241.7	6318.6	6673.9	6285.9	6143.4
25°	4155.7	4312.8	4686.2	4203.1	4070.5
27.5°	2555.9	2628.0	3006.2	2523.2	2451.2
30°	1589.9	1553.9	1732.3	1486.7	1385.2
32.5°	1043.0	997.2	1054.5	946.4	864.5
35°	697.5	712.3	668.0	663.1	560.0
37.5°	435.5	501.0	442.1	471.6	360.2
40°	281.6	363.5	312.7	345.5	265.3
42.5°	230.9	280.0	257.1	273.4	235.8
45°	183.4	227.6	227.6	227.6	185.0
47.5°	101.5	152.3	194.8	155.6	108.1
50°	57.3	77.0	150.6	80.2	60.6
52.5°	39.3	44.2	103.2	45.8	40.9
55°	29.5	31.1	55.7	32.7	31.1
57.5°	22.9	24.6	29.5	24.6	22.9
60°	18.0	18.0	21.3	19.6	18.0
62.5°	13.1	13.1	14.7	13.1	13.1
65°	9.8	9.8	9.8	9.8	9.8
67.5°	4.9	6.5	6.5	6.5	6.5
70°	4.9	3.3	3.3	3.3	4.9
72.5°	3.3	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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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