

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: P773430

Luminaire Tested: LD6D90BD010-EU6DR3070959035-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773430  
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-EU6DR3070959035-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9838.2 lumens  
Efficiency: N/A  
Efficacy: 99.5 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

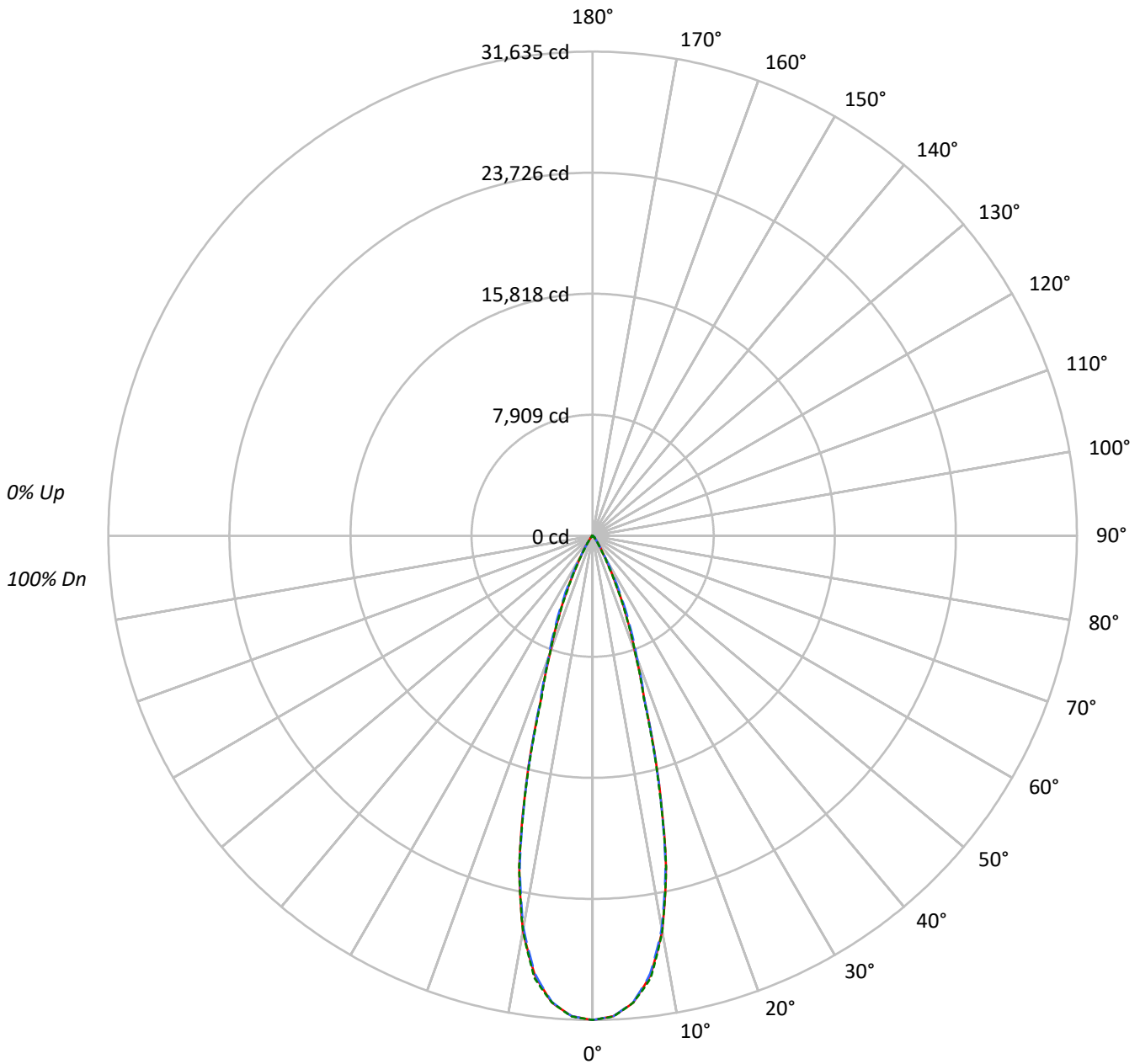
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	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°	2421420	2421420	2421420
5°	2351905	2349162	2352020
10°	2037105	2022741	2036623
15°	1329113	1321973	1315324
20°	660908	685703	660020
25°	332918	375417	326094
30°	133293	145234	116137
35°	61821	59214	49637
40°	26689	29646	25140
45°	18835	23371	18998
50°	6478	17017	6847
55°	3737	7046	3937
60°	2618	3092	2618
65°	1684	1684	1684
70°	1052	694	1052
75°	0	473	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 23371 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2781.8	28.3
10°-20°	4480.1	45.5
20°-30°	1936.0	19.7
30°-40°	441.2	4.5
40°-50°	151.5	1.5
50°-60°	37.0	0.4
60°-70°	9.6	0.1
70°-80°	1.0	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°	9197.8	93.5
0°-40°	9639.1	98.0
0°-60°	9827.6	99.9
0°-90°	9838.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9838.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31635	31635	31635	31635	31635	
5°	30610	30580	30574	30637	30611	2784
15°	16772	16571	16682	16628	16598	4491
25°	3942	4091	4445	3987	3861	1887
35°	662	676	634	629	531	449
45°	174	216	216	216	176	123
55°	28	30	53	31	30	27
65°	9	9	9	9	9	9
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°	31634.6	31634.6	31634.6	31634.6	31634.6
2.5°	31424.9	31403.1	31415.6	31431.1	31437.3
5°	30609.5	30580.0	30573.8	30637.4	30611.0
7.5°	28964.7	28922.8	28859.1	29003.5	29138.6
10°	26209.4	26162.8	26024.6	26092.9	26203.2
12.5°	22141.7	21991.1	21987.9	22205.4	22175.9
15°	16772.5	16570.6	16682.4	16628.0	16598.5
17.5°	11279.0	11201.3	11350.4	11305.4	11111.2
20°	8113.7	8133.8	8418.1	8275.2	8102.8
22.5°	5920.6	5993.6	6330.6	5962.5	5827.4
25°	3941.9	4091.0	4445.1	3986.9	3861.1
27.5°	2424.5	2492.8	2851.6	2393.4	2325.1
30°	1508.1	1473.9	1643.2	1410.3	1314.0
32.5°	989.4	945.9	1000.2	897.7	820.1
35°	661.6	675.6	633.7	629.0	531.2
37.5°	413.1	475.3	419.4	447.3	341.7
40°	267.1	344.8	296.7	327.7	251.6
42.5°	219.0	265.6	243.8	259.4	223.7
45°	174.0	215.9	215.9	215.9	175.5
47.5°	96.3	144.4	184.8	147.5	102.5
50°	54.4	73.0	142.9	76.1	57.5
52.5°	37.3	41.9	97.8	43.5	38.8
55°	28.0	29.5	52.8	31.1	29.5
57.5°	21.7	23.3	28.0	23.3	21.7
60°	17.1	17.1	20.2	18.6	17.1
62.5°	12.4	12.4	14.0	12.4	12.4
65°	9.3	9.3	9.3	9.3	9.3
67.5°	4.7	6.2	6.2	6.2	6.2
70°	4.7	3.1	3.1	3.1	4.7
72.5°	3.1	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

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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