

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: P773417

Luminaire Tested: LD6D90BD010-EU6DR3070959030-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773417  
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-EU6DR3070959030-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9735.6 lumens  
Efficiency: N/A  
Efficacy: 98.4 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

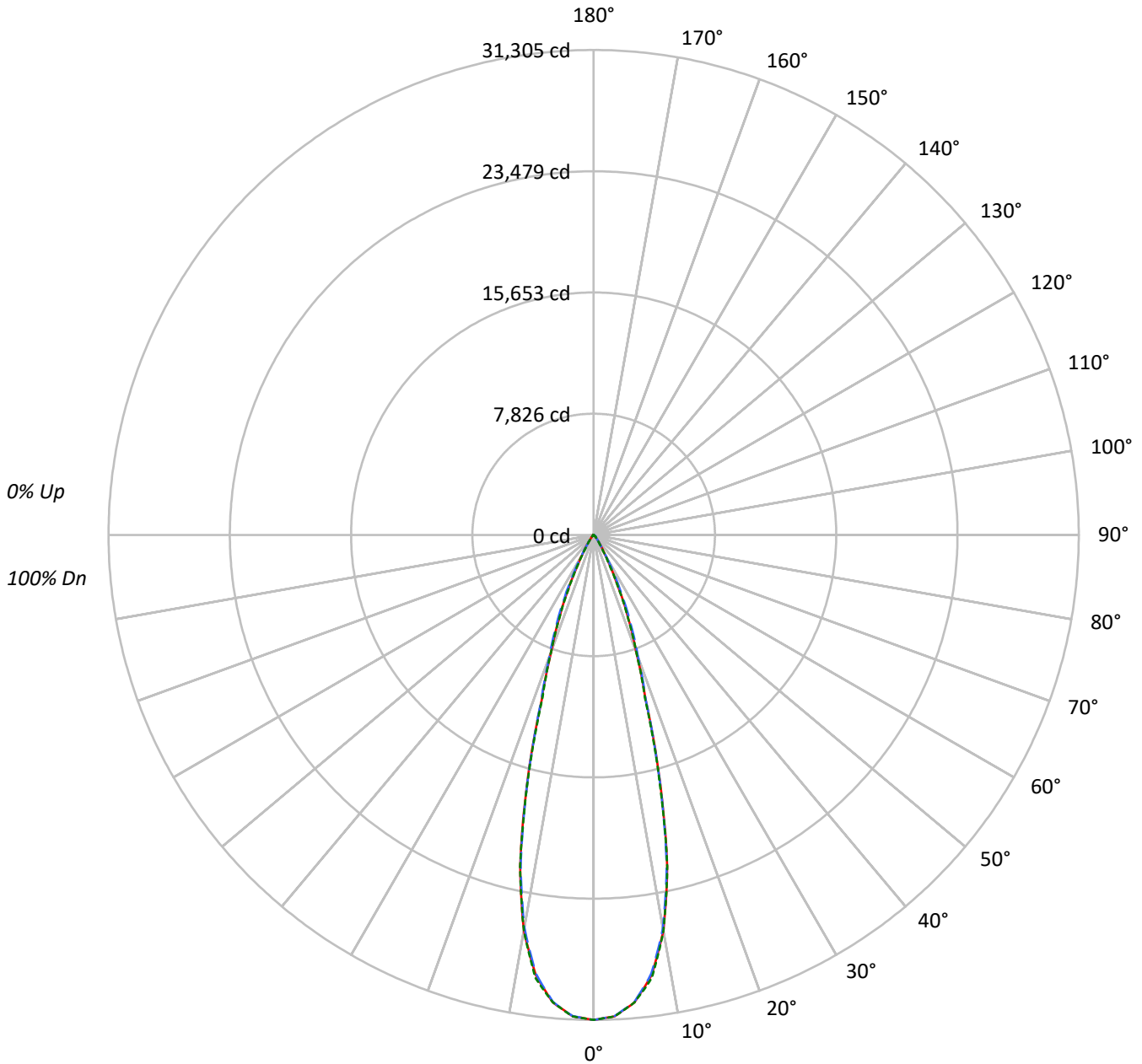
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2396176	2396176	2396176
5°	2327386	2324674	2327509
10°	2015870	2001655	2015396
15°	1315253	1308192	1301615
20°	654017	678551	653137
25°	329447	371506	322699
30°	131905	143722	114927
35°	61177	58598	49113
40°	26419	29337	24880
45°	18630	23122	18803
50°	6407	16838	6776
55°	3697	6979	3897
60°	2587	3062	2587
65°	1666	1666	1666
70°	1029	694	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 23122 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2752.8	28.3
10°-20°	4433.4	45.5
20°-30°	1915.8	19.7
30°-40°	436.6	4.5
40°-50°	149.9	1.5
50°-60°	36.6	0.4
60°-70°	9.5	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°	9102.0	93.5
0°-40°	9538.6	98.0
0°-60°	9725.1	99.9
0°-90°	9735.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9735.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31305	31305	31305	31305	31305	
5°	30290	30261	30255	30318	30292	2755
15°	16598	16398	16508	16455	16426	4444
25°	3901	4048	4399	3945	3821	1867
35°	655	669	627	622	526	444
45°	172	214	214	214	174	122
55°	28	29	52	31	29	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°	31304.8	31304.8	31304.8	31304.8	31304.8
2.5°	31097.3	31075.8	31088.1	31103.5	31109.6
5°	30290.4	30261.2	30255.1	30318.1	30292.0
7.5°	28662.8	28621.3	28558.3	28701.2	28834.9
10°	25936.2	25890.1	25753.3	25820.9	25930.1
12.5°	21910.9	21761.8	21758.8	21973.9	21944.7
15°	16597.6	16397.8	16508.5	16454.7	16425.5
17.5°	11161.4	11084.6	11232.1	11187.5	10995.4
20°	8029.1	8049.1	8330.3	8188.9	8018.3
22.5°	5858.9	5931.1	6264.7	5900.4	5766.7
25°	3900.8	4048.4	4398.8	3945.4	3820.9
27.5°	2399.2	2466.8	2821.9	2368.5	2300.8
30°	1492.4	1458.6	1626.1	1395.6	1300.3
32.5°	979.0	936.0	989.8	888.4	811.5
35°	654.7	668.6	627.1	622.5	525.6
37.5°	408.8	470.3	415.0	442.6	338.1
40°	264.4	341.2	293.6	324.3	249.0
42.5°	216.7	262.8	241.3	256.7	221.3
45°	172.1	213.6	213.6	213.6	173.7
47.5°	95.3	142.9	182.9	146.0	101.4
50°	53.8	72.2	141.4	75.3	56.9
52.5°	36.9	41.5	96.8	43.0	38.4
55°	27.7	29.2	52.3	30.7	29.2
57.5°	21.5	23.1	27.7	23.1	21.5
60°	16.9	16.9	20.0	18.4	16.9
62.5°	12.3	12.3	13.8	12.3	12.3
65°	9.2	9.2	9.2	9.2	9.2
67.5°	4.6	6.1	6.1	6.1	6.1
70°	4.6	3.1	3.1	3.1	4.6
72.5°	3.1	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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