

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: P1319965

Luminaire Tested: LDSQA3D09R309840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319965  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309840DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

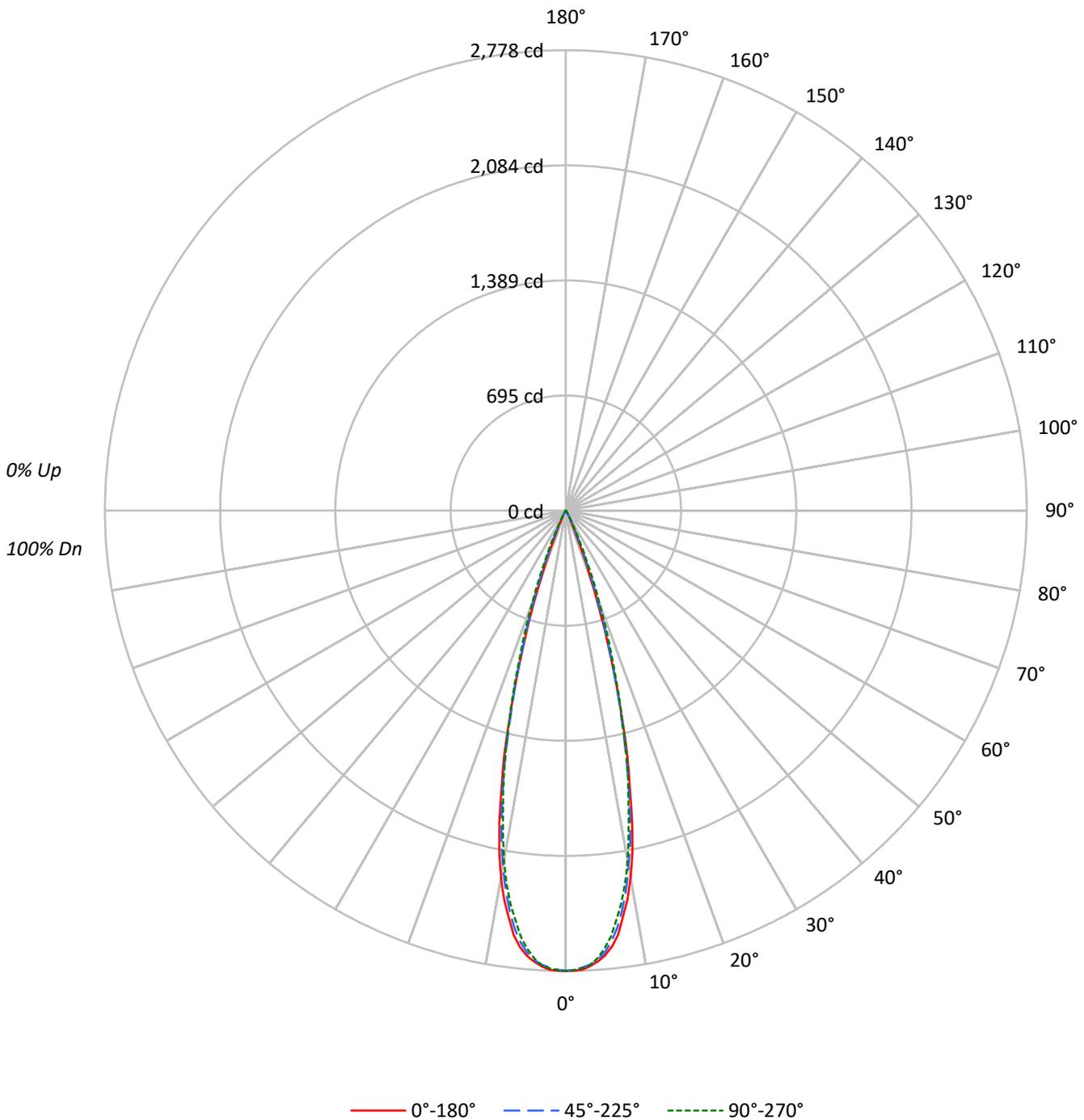
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 673.0 lumens  
Efficiency: N/A  
Efficacy: 61.2 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20									20
RC	80									70									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	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	99	99	97	97	97	97	97	97	97	97	97	97	100															
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	96	94	94	94	94	94	94	94	94	94	97																
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	93	92	92	92	92	92	92	92	92	92	94																
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	91	90	89	88	88	88	88	88	88	88	92																
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	88	86	84	84	84	84	84	84	84	84	84	89																
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	85	84	84	84	84	84	84	84	84	84	84	87																
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84	84	84	84	84	84	84	84	84	84	84																
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82	82	82	82	82	82	82	82	82	82	82																
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80	80	80	80	80	80	80	80	80	80	80																
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78	78	78	78	78	78	78	78	78	78																
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76	76	76	76	76	76	76	76	76	76																

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

	0°	45°	90°
0°	478348	478348	478348
5°	466034	462818	459015
10°	393286	381220	375029
15°	237012	230379	234622
20°	80385	92829	107088
25°	14765	23145	27345
30°	5071	5648	6344
35°	1472	1829	1955
40°	382	652	517
45°	146	146	146
50°	161	0	161
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 52.5°  
 Luminance: 170 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.2	35.7
10°-20°	351.0	52.2
20°-30°	74.3	11.0
30°-40°	6.8	1.0
40°-50°	0.7	0.1
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	665.4	98.9
0°-40°	672.3	99.9
0°-60°	673.0	100.0
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2778	2778	2778	2778	2778	
5°	2696	2690	2677	2669	2655	243
15°	1329	1325	1292	1322	1316	351
25°	78	87	122	143	144	57
35°	7	9	9	10	9	6
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2777.5	2777.5	2777.5	2777.5	2777.5
1°	2778.1	2775.2	2771.1	2776.9	2772.9
2°	2772.3	2765.3	2759.5	2765.3	2763.6
3°	2754.9	2749.1	2745.0	2747.9	2747.9
4°	2728.8	2722.4	2718.9	2719.5	2710.8
5°	2695.7	2690.5	2677.1	2669.0	2655.1
6°	2646.9	2634.2	2617.9	2604.6	2586.6
7°	2580.8	2561.1	2537.9	2514.7	2492.0
8°	2474.6	2465.3	2434.0	2418.3	2395.7
9°	2374.8	2352.2	2318.5	2293.0	2280.8
10°	2248.9	2215.3	2179.9	2159.6	2144.5
11°	2099.8	2065.6	2037.1	2007.6	1984.3
12°	1924.6	1895.6	1863.1	1843.3	1816.1
13°	1716.9	1712.8	1676.2	1669.9	1666.4
14°	1538.7	1522.5	1486.5	1496.4	1498.7
15°	1329.3	1324.6	1292.1	1322.3	1315.9
17.5°	832.6	834.4	854.7	902.2	917.3
20°	438.6	452.0	506.5	564.0	584.3
22.5°	177.5	207.1	262.8	301.7	327.8
25°	77.7	87.0	121.8	143.3	143.9
27.5°	44.1	44.7	58.6	60.9	62.1
30°	25.5	26.1	28.4	30.2	31.9
32.5°	13.9	15.1	15.7	18.0	18.0
35°	7.0	8.7	8.7	10.4	9.3
37.5°	4.1	4.6	5.2	5.2	4.6
40°	1.7	2.3	2.9	2.9	2.3
42.5°	0.6	1.2	1.2	1.2	1.7
45°	0.6	0.6	0.6	0.6	0.6
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.0	0.0	0.0	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)