

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: P1311347

Luminaire Tested: LDSQA3D09R409040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

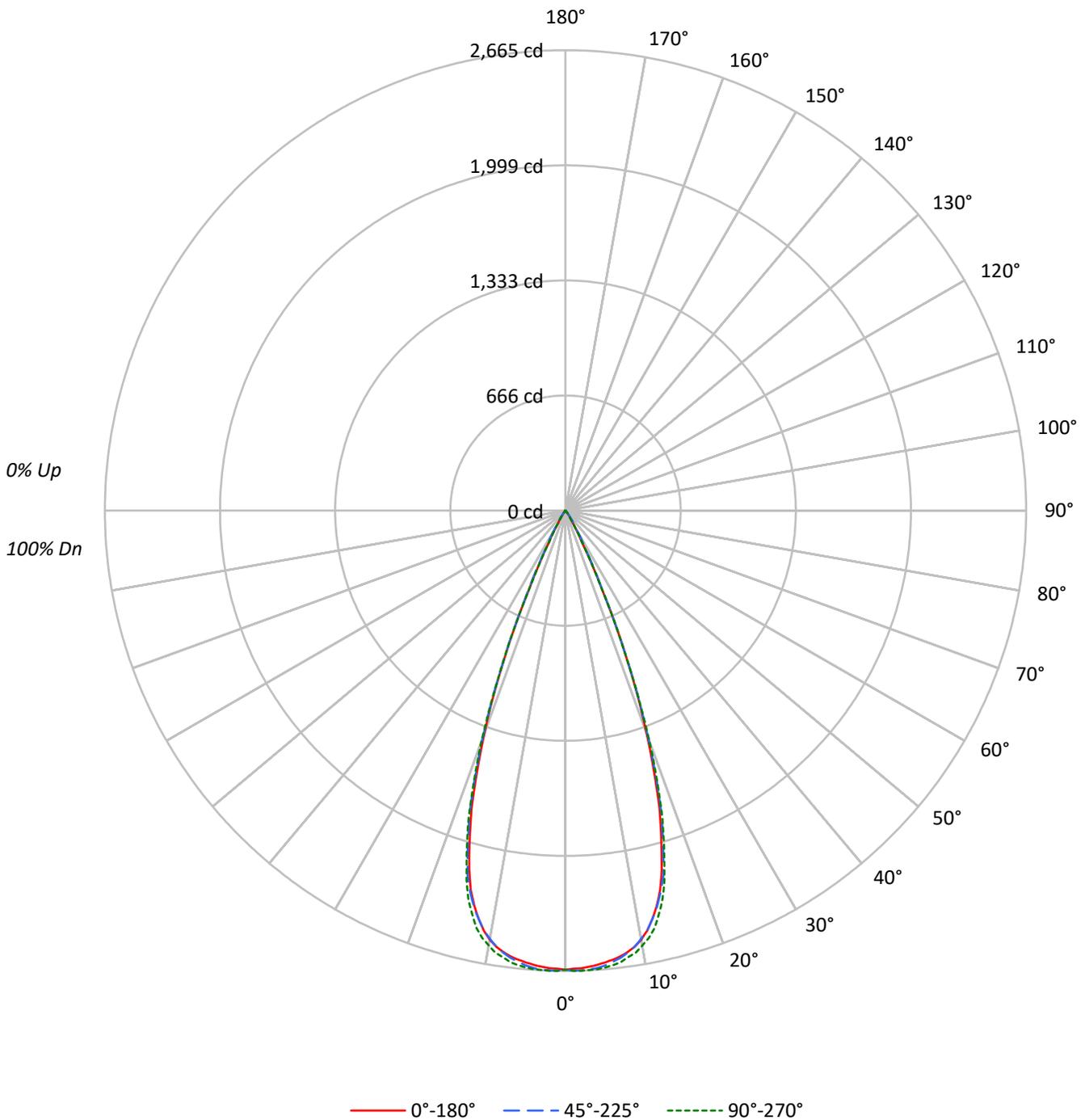
Test Method: LM-79-2019  
Report Number: P1311347  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R409040DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1118.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

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

	0°	45°	90°
0°	457871	457871	457871
5°	453915	456768	458946
10°	440976	440154	447044
15°	383626	389813	394573
20°	251784	256696	260013
25°	89769	94994	89313
30°	19568	26449	19727
35°	6286	10933	6118
40°	1956	3372	1776
45°	195	1145	195
50°	0	214	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 1145 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.6	22.2
10°-20°	579.0	51.8
20°-30°	259.7	23.2
30°-40°	28.0	2.5
40°-50°	2.6	0.2
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°	1087.3	97.3
0°-40°	1115.4	99.8
0°-60°	1118.0	100.0
0°-90°	1118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2659	2659	2659	2659	2659	
5°	2626	2633	2642	2646	2655	248
15°	2152	2167	2186	2199	2213	572
25°	472	486	500	509	470	252
35°	30	35	52	34	29	23
45°	1	2	5	2	1	2
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°	2658.6	2658.6	2658.6	2658.6	2658.6
1°	2653.1	2658.6	2663.4	2659.4	2664.9
2°	2650.8	2657.1	2664.1	2660.2	2664.9
3°	2644.5	2652.3	2660.2	2657.8	2662.6
4°	2635.8	2642.1	2653.9	2653.9	2661.0
5°	2625.6	2632.7	2642.1	2646.0	2654.7
6°	2614.5	2618.5	2625.6	2633.4	2645.3
7°	2600.4	2600.4	2609.0	2616.9	2632.7
8°	2580.7	2579.1	2585.4	2595.7	2609.8
9°	2556.3	2550.8	2555.5	2570.5	2591.7
10°	2521.6	2516.9	2516.9	2535.8	2556.3
11°	2476.8	2475.2	2476.0	2494.1	2521.6
12°	2416.2	2417.7	2417.7	2438.2	2472.0
13°	2347.7	2346.9	2354.0	2376.8	2399.6
14°	2264.2	2268.9	2276.0	2296.5	2320.1
15°	2151.6	2167.4	2186.3	2198.9	2213.0
17.5°	1809.2	1824.9	1850.9	1861.1	1864.3
20°	1373.8	1396.6	1400.6	1421.0	1418.7
22.5°	921.1	919.5	922.7	925.1	925.8
25°	472.4	486.5	499.9	508.6	470.0
27.5°	205.5	229.9	247.2	224.4	207.8
30°	98.4	111.8	133.0	112.6	99.2
32.5°	53.5	62.2	84.2	61.4	52.7
35°	29.9	34.6	52.0	33.9	29.1
37.5°	17.3	18.9	28.3	18.9	16.5
40°	8.7	11.0	15.0	11.0	7.9
42.5°	3.1	5.5	7.9	5.5	3.1
45°	0.8	1.6	4.7	1.6	0.8
47.5°	0.0	0.0	2.4	0.0	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)