

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: P1313711

Luminaire Tested: LDSQA3D13R409727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

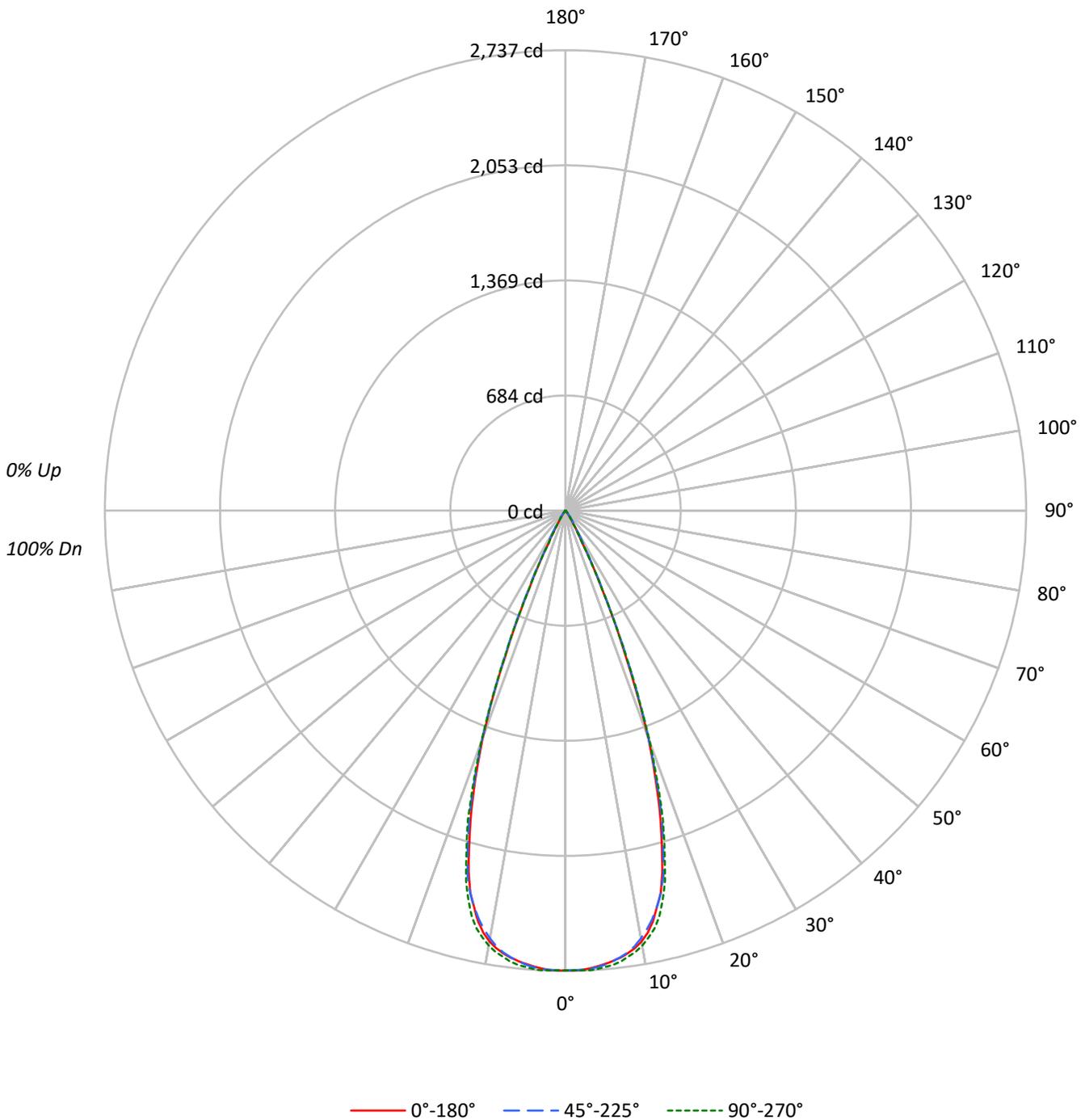
Test Method: LM-79-2019  
Report Number: P1313711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R409727DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1156.9 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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				
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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

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

	0°	45°	90°
0°	470822	470822	470822
5°	467694	468385	470926
10°	455019	451609	459146
15°	396463	400529	406769
20°	264082	265420	267967
25°	96020	98947	96477
30°	20384	27344	20384
35°	7190	12152	6833
40°	2563	3844	2563
45°	585	1583	585
50°	429	643	429
55°	480	480	480
60°	551	551	551
65°	326	652	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1583 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.4	22.1
10°-20°	595.3	51.5
20°-30°	267.9	23.2
30°-40°	30.5	2.6
40°-50°	4.4	0.4
50°-60°	1.5	0.1
60°-70°	1.2	0.1
70°-80°	0.7	0.1
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°	1118.7	96.7
0°-40°	1149.1	99.3
0°-60°	1155.0	99.8
0°-90°	1156.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2734	2734	2734	2734	2734	
5°	2705	2702	2709	2722	2724	255
15°	2224	2229	2246	2264	2281	591
25°	505	508	521	521	508	262
35°	34	38	58	37	32	26
45°	2	4	6	4	2	3
55°	2	2	2	2	2	1
65°	1	2	2	2	1	1
75°	1	1	1	1	1	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°	2733.8	2733.8	2733.8	2733.8	2733.8
1°	2735.4	2732.9	2732.1	2737.0	2732.9
2°	2732.9	2731.3	2732.1	2737.0	2733.8
3°	2725.6	2726.4	2728.9	2737.8	2737.0
4°	2716.7	2715.9	2720.7	2732.1	2732.1
5°	2705.3	2702.0	2709.3	2721.5	2724.0
6°	2692.3	2688.2	2693.9	2709.3	2715.0
7°	2677.6	2669.5	2674.4	2693.1	2700.4
8°	2658.1	2647.5	2653.2	2671.9	2677.6
9°	2633.7	2617.4	2622.3	2645.1	2656.5
10°	2601.9	2581.6	2582.4	2607.6	2625.5
11°	2557.2	2534.4	2535.2	2567.0	2585.7
12°	2497.8	2477.5	2481.5	2510.8	2540.9
13°	2417.3	2411.6	2416.4	2448.2	2475.8
14°	2339.1	2333.5	2342.4	2371.7	2384.7
15°	2223.6	2229.3	2246.4	2264.3	2281.4
17.5°	1857.5	1879.5	1899.8	1912.0	1926.6
20°	1440.9	1415.7	1448.2	1433.6	1462.1
22.5°	930.0	948.7	956.8	948.7	951.9
25°	505.3	508.5	520.7	520.7	507.7
27.5°	214.8	231.9	247.3	241.6	214.8
30°	102.5	118.0	137.5	118.8	102.5
32.5°	57.8	68.3	88.7	66.7	56.1
35°	34.2	38.2	57.8	36.6	32.5
37.5°	20.3	21.2	31.7	22.0	19.5
40°	11.4	13.8	17.1	13.8	11.4
42.5°	5.7	8.1	10.6	8.1	5.7
45°	2.4	4.1	6.5	4.1	2.4
47.5°	2.4	2.4	4.1	2.4	2.4
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	0.8	1.6	1.6	1.6	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
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)