

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: P1314681

Luminaire Tested: LDSQA3D13R409730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

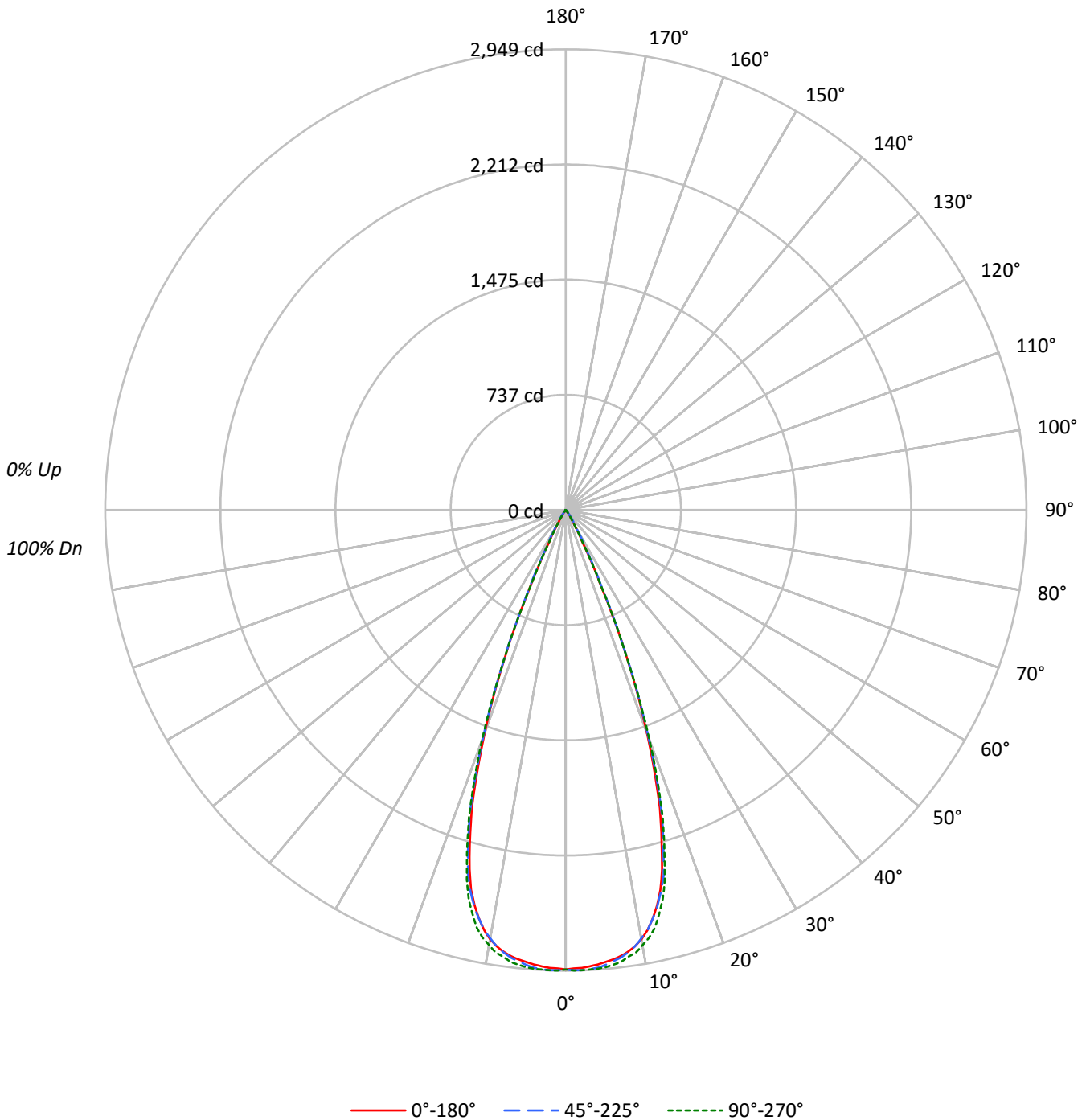
Test Method: LM-79-2019  
Report Number: P1314681  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R409730DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1237.0 lumens  
Efficiency: N/A  
Efficacy: 84.7 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): 14.6  
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	91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	88	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°	506610	506610	506610
5°	502218	505382	507802
10°	487931	487004	494629
15°	424456	431303	436580
20°	278579	284004	287688
25°	99308	105104	98814
30°	21656	29273	21835
35°	6959	12089	6770
40°	2158	3732	1956
45°	219	1267	219
50°	0	241	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: 1267 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.1	22.2
10°-20°	640.6	51.8
20°-30°	287.3	23.2
30°-40°	31.0	2.5
40°-50°	2.9	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°	1203.1	97.3
0°-40°	1234.1	99.8
0°-60°	1237.0	100.0
0°-90°	1237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1237.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2942	2942	2942	2942	2942	
5°	2905	2913	2923	2928	2937	274
15°	2381	2398	2419	2433	2449	633
25°	523	538	553	563	520	279
35°	33	38	58	38	32	26
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°	2941.6	2941.6	2941.6	2941.6	2941.6
1°	2935.5	2941.6	2946.8	2942.5	2948.6
2°	2932.9	2939.9	2947.7	2943.4	2948.6
3°	2925.9	2934.7	2943.4	2940.7	2946.0
4°	2916.4	2923.3	2936.4	2936.4	2944.2
5°	2905.0	2912.9	2923.3	2927.7	2937.3
6°	2892.8	2897.2	2905.0	2913.7	2926.8
7°	2877.2	2877.2	2886.7	2895.5	2912.9
8°	2855.4	2853.6	2860.6	2871.9	2887.6
9°	2828.4	2822.3	2827.5	2844.1	2867.6
10°	2790.1	2784.8	2784.8	2805.7	2828.4
11°	2740.4	2738.7	2739.5	2759.6	2790.1
12°	2673.3	2675.1	2675.1	2697.7	2735.2
13°	2597.5	2596.7	2604.5	2629.8	2655.0
14°	2505.2	2510.4	2518.3	2540.9	2567.1
15°	2380.6	2398.1	2419.0	2432.9	2448.6
17.5°	2001.7	2019.2	2047.9	2059.2	2062.7
20°	1520.0	1545.3	1549.6	1572.3	1569.7
22.5°	1019.2	1017.4	1020.9	1023.5	1024.4
25°	522.6	538.3	553.1	562.7	520.0
27.5°	227.4	254.4	273.5	248.3	230.0
30°	108.9	123.7	147.2	124.6	109.8
32.5°	59.2	68.8	93.2	67.9	58.4
35°	33.1	38.3	57.5	37.5	32.2
37.5°	19.2	20.9	31.4	20.9	18.3
40°	9.6	12.2	16.6	12.2	8.7
42.5°	3.5	6.1	8.7	6.1	3.5
45°	0.9	1.7	5.2	1.7	0.9
47.5°	0.0	0.0	2.6	0.0	0.0
50°	0.0	0.0	0.9	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)