

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: P1310407

Luminaire Tested: LDSQA3D13R459035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

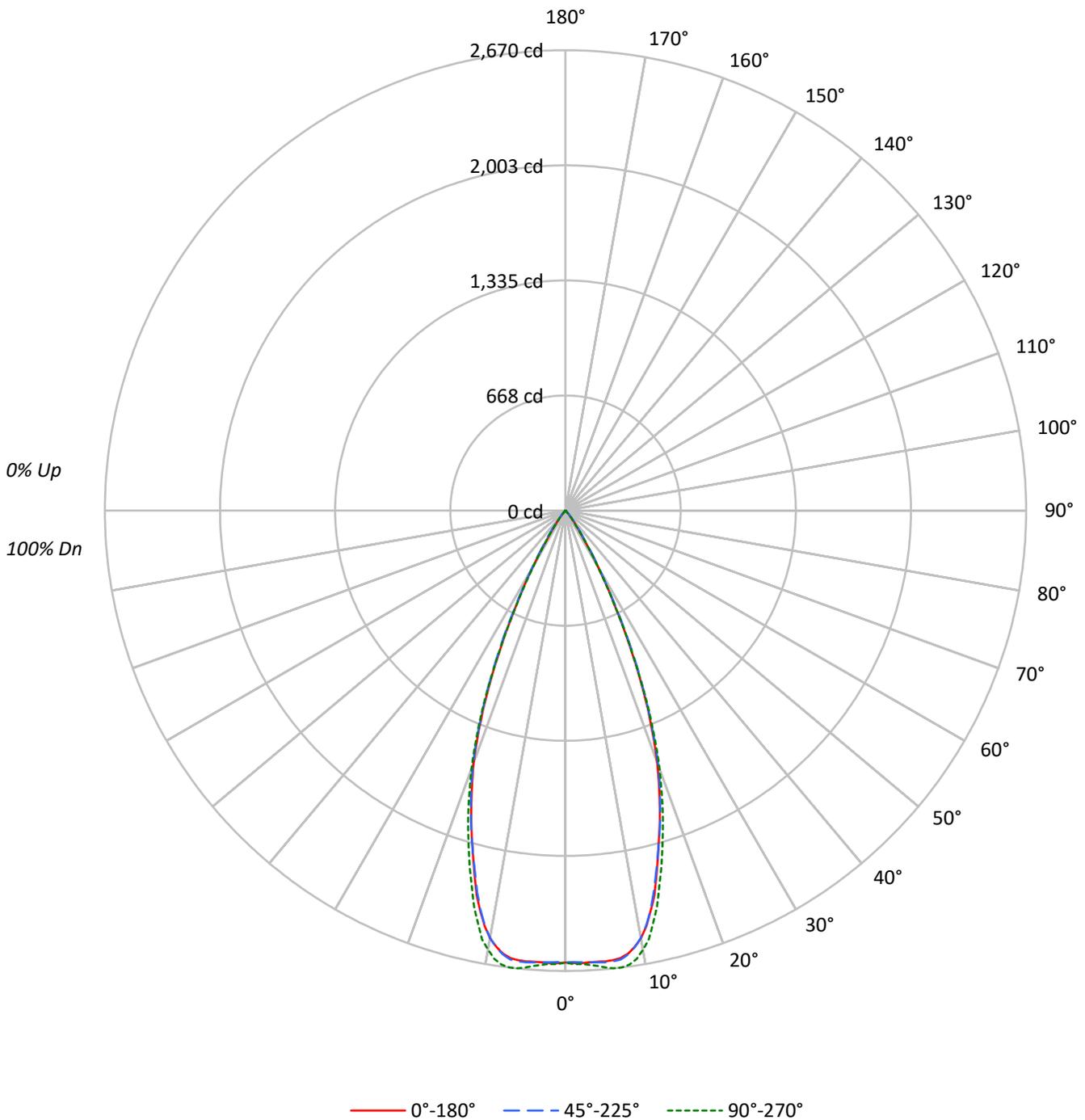
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1357.0 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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_{in}): 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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	451551	451551	451551
5°	453794	454658	459845
10°	440329	439979	452221
15°	369023	368845	382396
20°	285268	288201	292251
25°	174882	178492	175262
30°	74992	78373	72606
35°	23547	28383	22917
40°	8094	10342	7869
45°	1461	4384	1218
50°	804	1608	804
55°	901	901	901
60°	689	689	689
65°	815	815	815
70°	504	504	504
75°	665	665	665
80°	992	992	992
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	18.4
10°-20°	575.8	42.4
20°-30°	421.6	31.1
30°-40°	93.1	6.9
40°-50°	11.4	0.8
50°-60°	2.7	0.2
60°-70°	1.9	0.1
70°-80°	1.1	0.1
80°-90°	0.1	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°	1246.6	91.9
0°-40°	1339.7	98.7
0°-60°	1353.8	99.8
0°-90°	1357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2622	2622	2622	2622	2622	
5°	2625	2623	2630	2649	2660	248
15°	2070	2059	2069	2119	2145	571
25°	920	919	939	932	922	417
35°	112	118	135	118	109	88
45°	6	10	18	10	5	8
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
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°	2621.9	2621.9	2621.9	2621.9	2621.9
1°	2623.9	2619.9	2618.9	2625.9	2630.9
2°	2625.9	2620.9	2621.9	2628.9	2631.9
3°	2623.9	2618.9	2623.9	2633.9	2637.9
4°	2622.9	2620.9	2625.9	2639.9	2646.9
5°	2624.9	2622.9	2629.9	2648.9	2659.9
6°	2621.9	2618.9	2628.9	2652.9	2668.9
7°	2614.9	2611.9	2622.9	2651.9	2669.9
8°	2595.9	2589.9	2600.9	2636.9	2658.9
9°	2561.9	2553.9	2564.9	2606.9	2632.9
10°	2517.9	2508.9	2515.9	2556.9	2585.9
11°	2454.9	2442.8	2450.9	2494.9	2532.9
12°	2374.8	2357.8	2367.8	2417.8	2444.8
13°	2287.8	2271.8	2273.8	2318.8	2356.8
14°	2179.8	2158.7	2167.8	2214.8	2244.8
15°	2069.7	2058.7	2068.7	2118.7	2144.7
17.5°	1817.6	1816.6	1825.6	1862.6	1876.7
20°	1556.5	1559.5	1572.5	1592.6	1594.6
22.5°	1247.4	1248.4	1262.4	1276.4	1273.4
25°	920.3	919.3	939.3	932.3	922.3
27.5°	610.2	614.2	632.2	619.2	609.2
30°	377.1	385.1	394.1	378.1	365.1
32.5°	204.1	217.1	230.1	216.1	203.1
35°	112.0	118.0	135.0	118.0	109.0
37.5°	65.0	68.0	79.0	68.0	62.0
40°	36.0	41.0	46.0	41.0	35.0
42.5°	15.0	23.0	28.0	23.0	15.0
45°	6.0	10.0	18.0	10.0	5.0
47.5°	3.0	4.0	11.0	4.0	3.0
50°	3.0	3.0	6.0	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	2.0	2.0	2.0	3.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	1.0	1.0	1.0	2.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
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)