

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: P1317320

Luminaire Tested: LDSQA3D09R259827DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259827DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

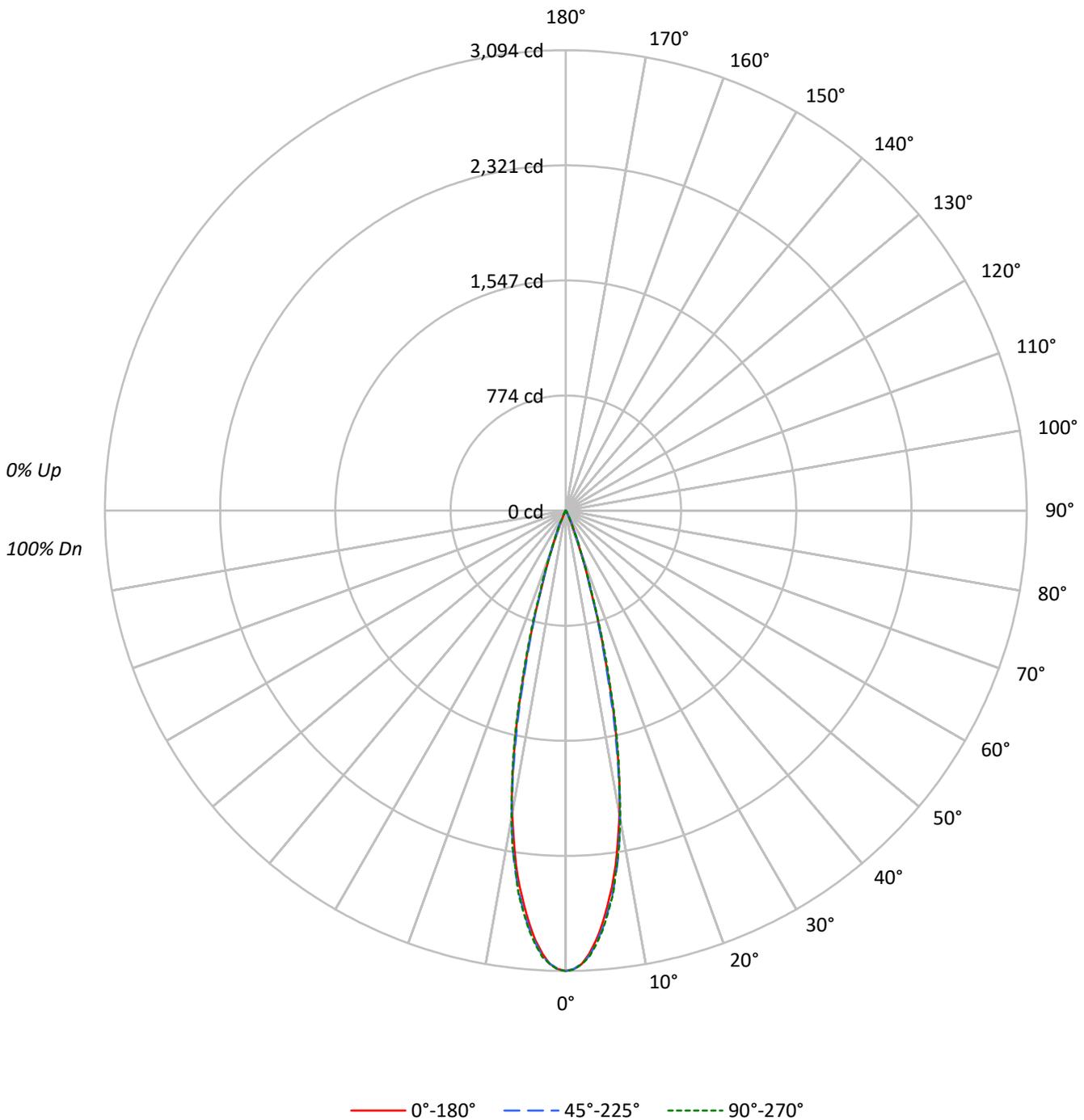
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 571.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
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_{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

TEST NUMBER: P1317320
CATALOG NUMBER: LDSQA3D09R259827DE010 3LSQPHR1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	99
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	94
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	92
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	90
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	87
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	85
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	84
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	82
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	80
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	79	78

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	532857	532857	532857
5°	482873	487264	489649
10°	362997	365585	367282
15°	179742	174375	186000
20°	50767	51592	52160
25°	8798	16646	10451
30°	3440	3540	3639
35°	1072	1177	1177
40°	337	450	337
45°	244	122	244
50°	134	0	134
55°	150	0	150
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: 45°

Luminance: 244 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.8	43.0
10°-20°	277.2	48.5
20°-30°	43.0	7.5
30°-40°	4.4	0.8
40°-50°	0.6	0.1
50°-60°	0.1	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°	566.0	99.1
0°-40°	570.3	99.9
0°-60°	571.0	100.0
0°-90°	571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3094	3094	3094	3094	3094	
5°	2793	2798	2818	2830	2832	243
15°	1008	1001	978	1022	1043	276
25°	46	69	88	67	55	39
35°	5	6	6	6	6	4
45°	1	0	0	0	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°	3094.0	3094.0	3094.0	3094.0	3094.0
1°	3081.2	3085.3	3080.7	3085.8	3085.3
2°	3049.2	3053.2	3047.6	3050.7	3050.7
3°	2983.5	2992.1	2997.2	3000.8	3003.9
4°	2896.9	2906.6	2914.3	2923.4	2923.4
5°	2793.1	2798.2	2818.5	2829.7	2832.3
6°	2669.4	2689.7	2705.0	2727.4	2713.7
7°	2545.6	2562.4	2583.8	2587.4	2597.1
8°	2405.1	2422.9	2442.8	2439.2	2431.1
9°	2234.1	2260.0	2283.4	2275.8	2286.0
10°	2075.7	2091.5	2090.5	2082.8	2100.2
11°	1891.9	1895.5	1875.6	1906.7	1887.8
12°	1674.0	1677.1	1651.6	1682.2	1701.5
13°	1465.3	1458.1	1423.0	1463.2	1487.7
14°	1225.0	1227.5	1182.7	1260.6	1254.5
15°	1008.1	1000.9	978.0	1021.8	1043.2
17.5°	537.1	541.7	536.1	558.0	571.8
20°	277.0	284.6	281.5	290.7	284.6
22.5°	143.6	154.3	157.3	150.2	130.8
25°	46.3	68.7	87.6	66.7	55.0
27.5°	28.0	27.5	42.8	29.5	30.0
30°	17.3	16.8	17.8	17.8	18.3
32.5°	9.7	10.2	9.7	10.7	10.2
35°	5.1	5.6	5.6	6.1	5.6
37.5°	3.1	3.6	3.6	3.6	3.1
40°	1.5	2.0	2.0	1.5	1.5
42.5°	1.0	1.0	1.0	1.0	1.0
45°	1.0	0.5	0.5	0.5	1.0
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.5	0.0	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.5	0.0	0.0	0.0	0.5
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)