

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: P1313508

Luminaire Tested: LDSQA3D09R309727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

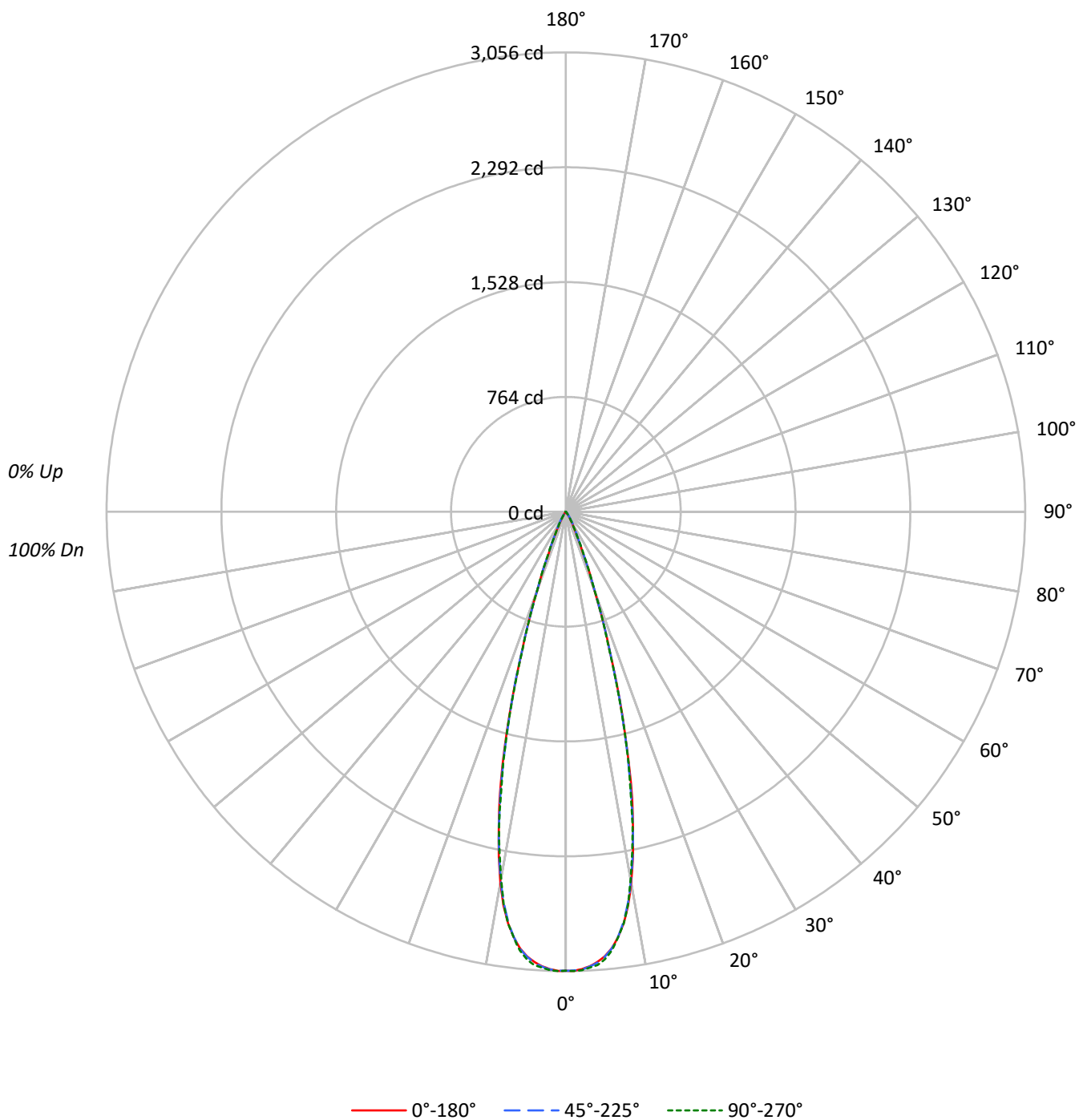
Lumens per Lamp: N/A
Luminaire Lumens: 788.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	525951	525951	525951
5°	513127	513749	516619
10°	438248	436202	433631
15°	270442	267287	268267
20°	102213	102781	102671
25°	31449	34471	32837
30°	12668	16088	13165
35°	3742	6833	3869
40°	1506	2765	1506
45°	292	901	292
50°	0	161	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: 901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.4	34.2
10°-20°	398.8	50.6
20°-30°	98.9	12.6
30°-40°	18.6	2.4
40°-50°	2.3	0.3
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°	767.1	97.3
0°-40°	785.6	99.7
0°-60°	788.0	100.0
0°-90°	788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3054	3054	3054	3054	3054	
5°	2968	2967	2972	2977	2988	270
15°	1517	1502	1499	1511	1505	401
25°	166	176	181	181	173	95
35°	18	23	32	24	18	15
45°	1	2	4	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3053.9	3053.9	3053.9	3053.9	3053.9
1°	3055.1	3052.6	3052.6	3049.0	3055.7
2°	3044.1	3041.6	3045.9	3042.8	3051.4
3°	3027.5	3024.5	3030.6	3032.4	3036.7
4°	3003.0	3000.6	3007.3	3011.0	3022.6
5°	2968.1	2966.8	2971.7	2976.7	2988.3
6°	2920.3	2918.4	2921.5	2927.6	2935.0
7°	2851.0	2847.3	2849.8	2851.0	2852.9
8°	2763.4	2757.9	2754.8	2761.5	2765.2
9°	2650.6	2644.5	2637.7	2635.3	2643.9
10°	2506.0	2496.8	2494.3	2488.2	2479.6
11°	2338.1	2330.7	2328.9	2317.8	2312.9
12°	2145.6	2141.9	2146.2	2139.5	2137.0
13°	1961.1	1937.9	1934.8	1921.9	1915.2
14°	1743.0	1721.5	1720.9	1714.2	1723.4
15°	1516.8	1502.1	1499.1	1510.7	1504.6
17.5°	967.1	976.9	974.4	968.3	957.9
20°	557.7	551.0	560.8	563.2	560.2
22.5°	297.2	299.7	301.5	308.9	313.8
25°	165.5	176.5	181.4	180.8	172.8
27.5°	103.0	109.7	118.9	112.8	106.0
30°	63.7	69.3	80.9	69.9	66.2
32.5°	34.3	43.5	52.1	43.5	35.5
35°	17.8	23.3	32.5	23.9	18.4
37.5°	11.6	13.5	20.8	13.5	11.6
40°	6.7	8.6	12.3	8.6	6.7
42.5°	3.1	4.9	6.7	4.9	3.1
45°	1.2	1.8	3.7	2.5	1.2
47.5°	0.0	0.6	1.8	0.6	0.0
50°	0.0	0.0	0.6	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)