

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: P1307993

Luminaire Tested: LDSQA3D09R409027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307993
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: LDSQA3D09R409027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

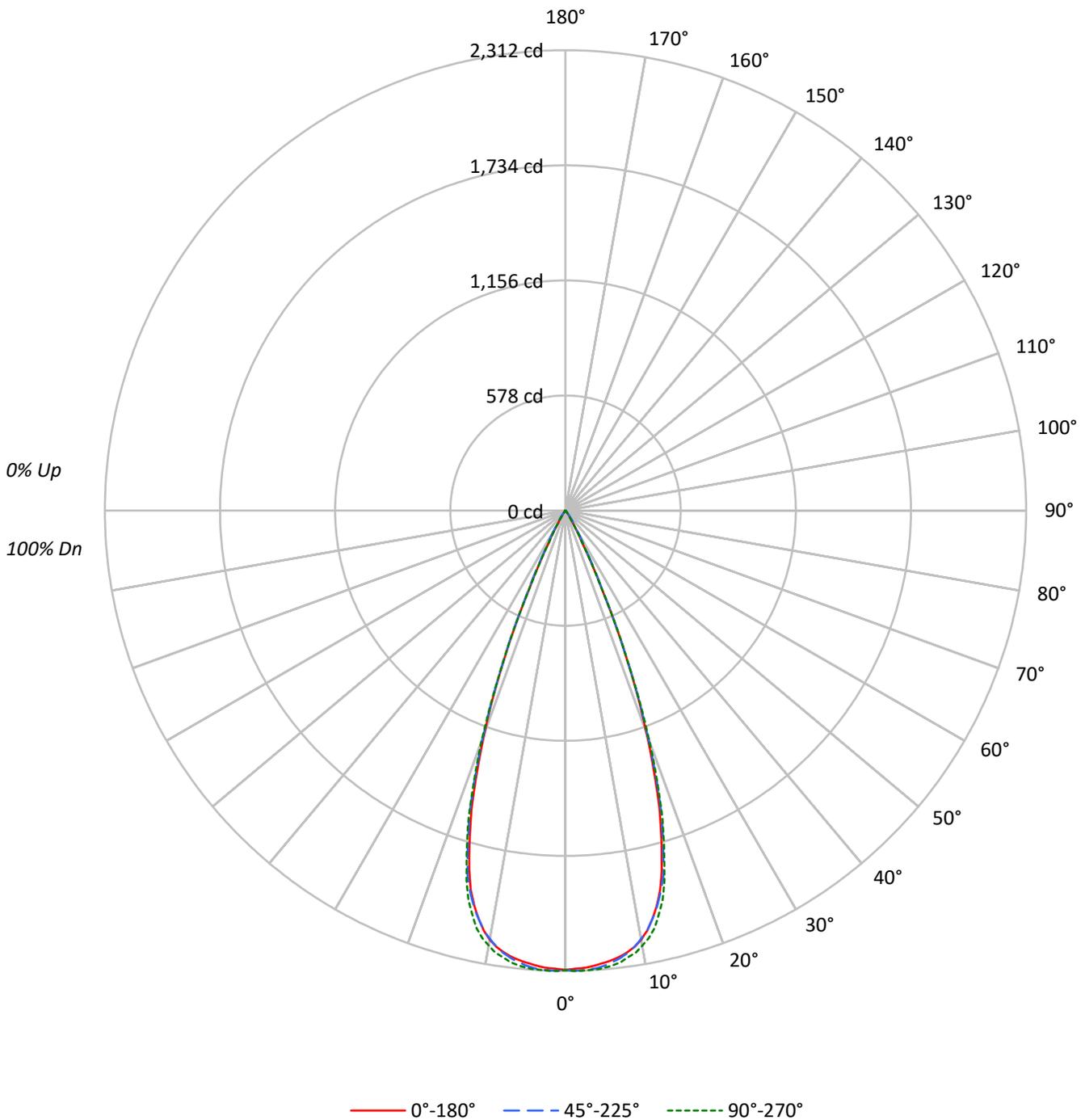
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 970.0 lumens
Efficiency: N/A
Efficacy: 87.4 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): 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			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	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	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°	397266	397266	397266
5°	393822	396294	398196
10°	382601	381884	387865
15°	332847	338213	342350
20°	218446	222716	225594
25°	77873	82415	77493
30°	16983	22949	17122
35°	5466	9482	5319
40°	1686	2923	1529
45°	170	999	170
50°	0	188	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: 999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.7	22.2
10°-20°	502.4	51.8
20°-30°	225.3	23.2
30°-40°	24.3	2.5
40°-50°	2.3	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°	943.4	97.3
0°-40°	967.7	99.8
0°-60°	970.0	100.0
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2307	2307	2307	2307	2307	
5°	2278	2284	2292	2296	2303	215
15°	1867	1880	1897	1908	1920	496
25°	410	422	434	441	408	219
35°	26	30	45	29	25	20
45°	1	1	4	1	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°	2306.7	2306.7	2306.7	2306.7	2306.7
1°	2301.9	2306.7	2310.8	2307.4	2312.2
2°	2299.9	2305.3	2311.5	2308.1	2312.2
3°	2294.4	2301.2	2308.1	2306.0	2310.1
4°	2286.9	2292.3	2302.6	2302.6	2308.7
5°	2278.0	2284.1	2292.3	2295.8	2303.3
6°	2268.4	2271.9	2278.0	2284.8	2295.1
7°	2256.1	2256.1	2263.7	2270.5	2284.1
8°	2239.1	2237.7	2243.2	2252.0	2264.3
9°	2217.9	2213.1	2217.2	2230.2	2248.6
10°	2187.8	2183.7	2183.7	2200.1	2217.9
11°	2148.9	2147.5	2148.2	2163.9	2187.8
12°	2096.3	2097.7	2097.7	2115.4	2144.8
13°	2036.9	2036.2	2042.3	2062.2	2082.0
14°	1964.5	1968.6	1974.7	1992.5	2013.0
15°	1866.8	1880.5	1896.9	1907.8	1920.1
17.5°	1569.7	1583.3	1605.9	1614.7	1617.5
20°	1191.9	1211.7	1215.2	1232.9	1230.9
22.5°	799.2	797.8	800.5	802.6	803.3
25°	409.8	422.1	433.7	441.3	407.8
27.5°	178.3	199.5	214.5	194.7	180.3
30°	85.4	97.0	115.4	97.7	86.1
32.5°	46.4	54.0	73.1	53.3	45.8
35°	26.0	30.1	45.1	29.4	25.3
37.5°	15.0	16.4	24.6	16.4	14.3
40°	7.5	9.6	13.0	9.6	6.8
42.5°	2.7	4.8	6.8	4.8	2.7
45°	0.7	1.4	4.1	1.4	0.7
47.5°	0.0	0.0	2.0	0.0	0.0
50°	0.0	0.0	0.7	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)