

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: P1315486

Luminaire Tested: LDSQA3D09R409735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315486
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: LDSQA3D09R409735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

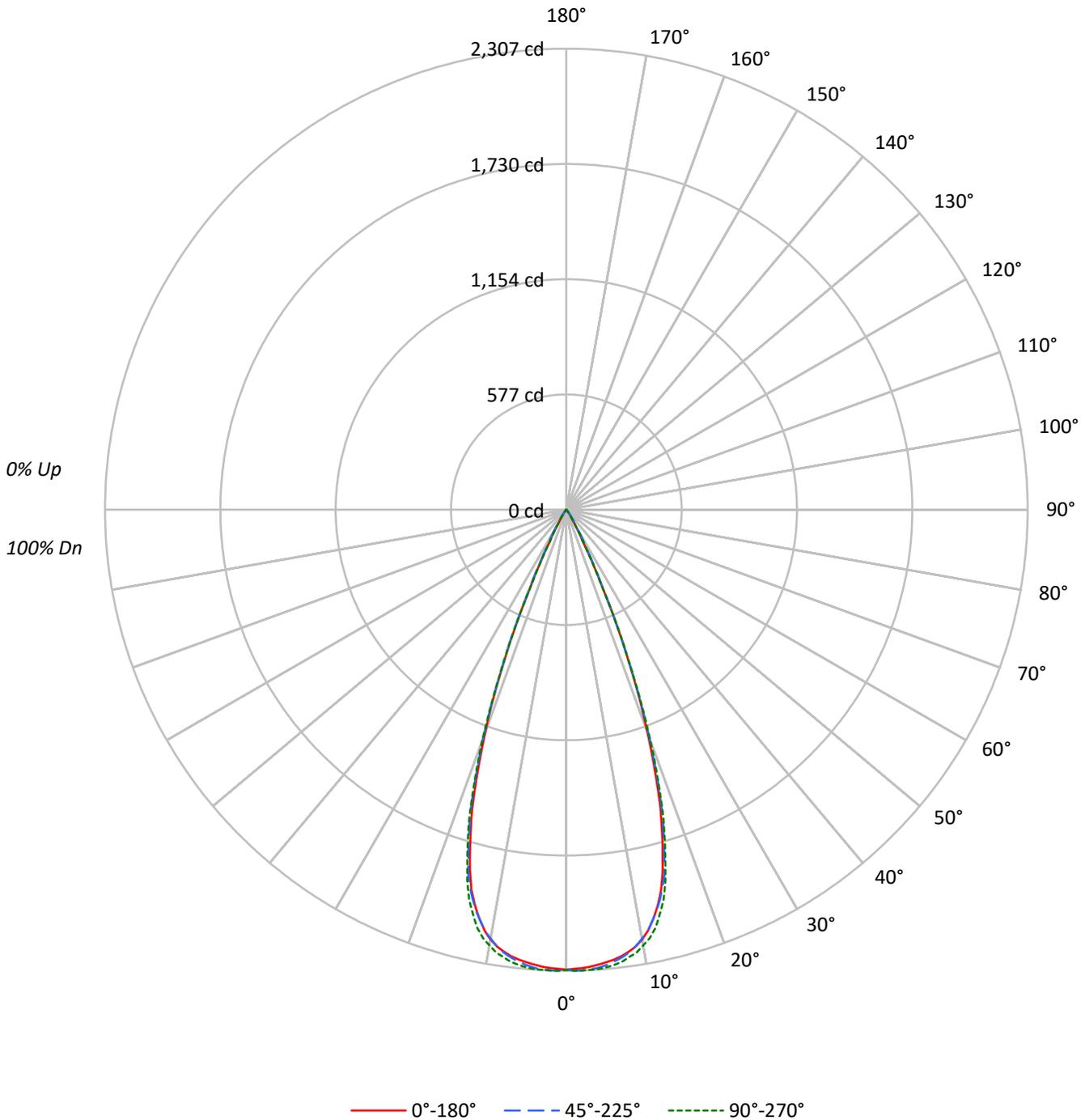
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 968.0 lumens
Efficiency: N/A
Efficacy: 87.2 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°	396439	396439	396439
5°	393009	395481	397366
10°	381814	381097	387061
15°	332151	337500	341637
20°	218006	222258	225117
25°	77721	82244	77322
30°	16943	22909	17083
35°	5445	9461	5298
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°	215.3	22.2
10°-20°	501.3	51.8
20°-30°	224.8	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°	941.4	97.3
0°-40°	965.7	99.8
0°-60°	968.0	100.0
0°-90°	968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2302	2302	2302	2302	2302	
5°	2273	2279	2288	2291	2298	214
15°	1863	1877	1893	1904	1916	495
25°	409	421	433	440	407	218
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°	2301.9	2301.9	2301.9	2301.9	2301.9
1°	2297.2	2301.9	2306.0	2302.6	2307.4
2°	2295.1	2300.6	2306.7	2303.3	2307.4
3°	2289.7	2296.5	2303.3	2301.2	2305.3
4°	2282.2	2287.6	2297.8	2297.8	2304.0
5°	2273.3	2279.4	2287.6	2291.0	2298.5
6°	2263.8	2267.2	2273.3	2280.1	2290.3
7°	2251.5	2251.5	2259.0	2265.8	2279.4
8°	2234.4	2233.1	2238.5	2247.4	2259.7
9°	2213.3	2208.5	2212.6	2225.6	2244.0
10°	2183.3	2179.2	2179.2	2195.6	2213.3
11°	2144.5	2143.1	2143.8	2159.5	2183.3
12°	2092.0	2093.3	2093.3	2111.1	2140.4
13°	2032.7	2032.0	2038.1	2057.9	2077.7
14°	1960.4	1964.5	1970.6	1988.4	2008.8
15°	1862.9	1876.6	1892.9	1903.8	1916.1
17.5°	1566.4	1580.1	1602.6	1611.4	1614.1
20°	1189.5	1209.2	1212.7	1230.4	1228.3
22.5°	797.5	796.2	798.9	800.9	801.6
25°	409.0	421.3	432.8	440.3	406.9
27.5°	177.9	199.0	214.0	194.3	180.0
30°	85.2	96.8	115.2	97.5	85.9
32.5°	46.4	53.9	72.9	53.2	45.7
35°	25.9	30.0	45.0	29.3	25.2
37.5°	15.0	16.4	24.5	16.4	14.3
40°	7.5	9.5	13.0	9.5	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)