

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: P1314513

Luminaire Tested: LDSQA3D09R409730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314513
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: LDSQA3D09R409730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

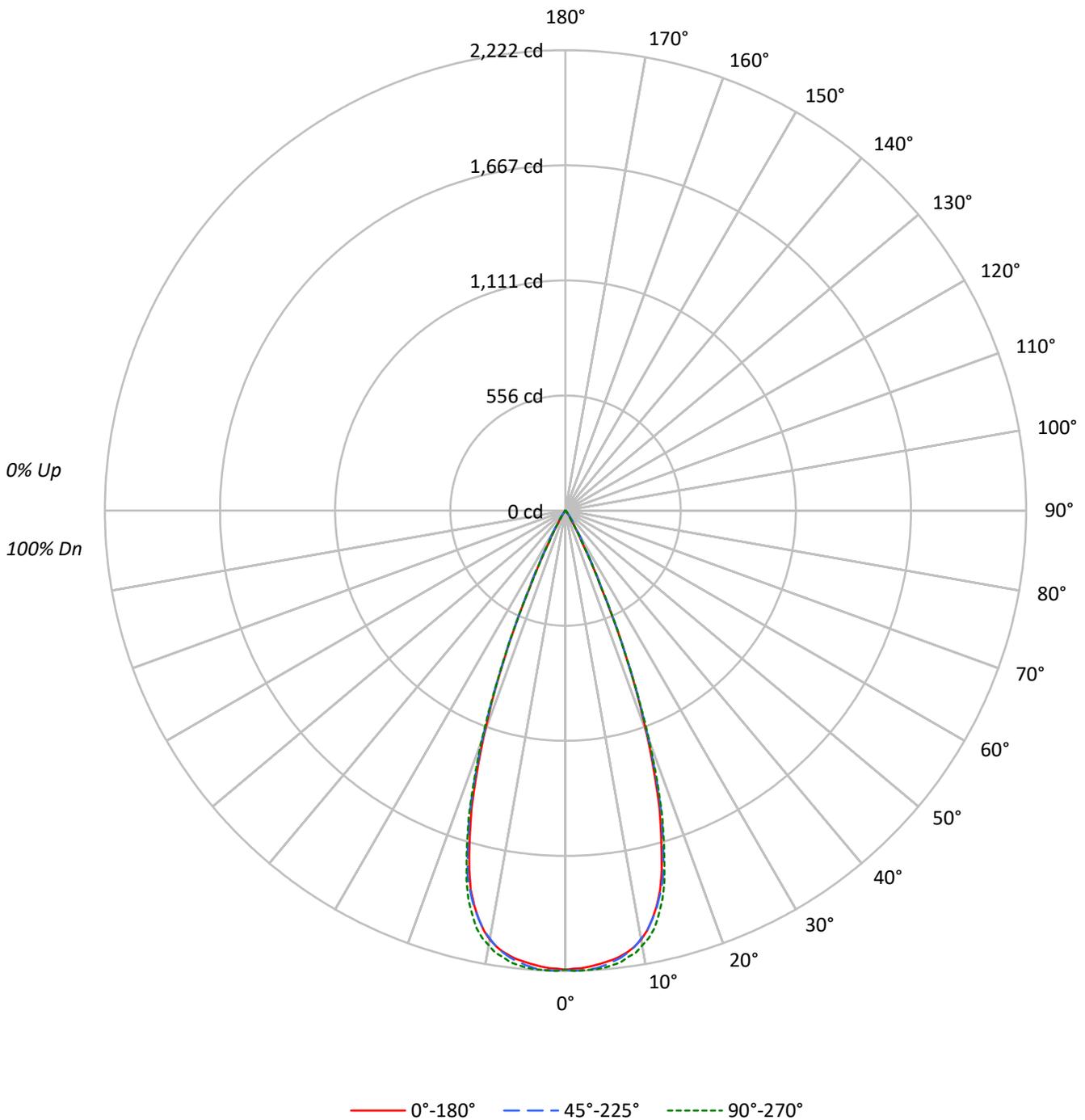
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 932.0 lumens
Efficiency: N/A
Efficacy: 84.0 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	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	381697	381697	381697
5°	378401	380769	382585
10°	367614	366932	372668
15°	319813	324948	328942
20°	209887	213992	216760
25°	74832	79184	74452
30°	16307	22054	16446
35°	5235	9104	5109
40°	1619	2810	1484
45°	170	950	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: 950 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.3	22.2
10°-20°	482.7	51.8
20°-30°	216.5	23.2
30°-40°	23.4	2.5
40°-50°	2.2	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°	906.4	97.3
0°-40°	929.8	99.8
0°-60°	932.0	100.0
0°-90°	932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	932.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2216	2216	2216	2216	2216	
5°	2189	2195	2202	2206	2213	206
15°	1794	1807	1822	1833	1845	477
25°	394	406	417	424	392	210
35°	25	29	43	28	24	19
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°	2216.3	2216.3	2216.3	2216.3	2216.3
1°	2211.7	2216.3	2220.3	2217.0	2221.6
2°	2209.8	2215.0	2220.9	2217.6	2221.6
3°	2204.5	2211.1	2217.6	2215.7	2219.6
4°	2197.3	2202.5	2212.4	2212.4	2218.3
5°	2188.8	2194.7	2202.5	2205.8	2213.0
6°	2179.6	2182.9	2188.8	2195.3	2205.2
7°	2167.8	2167.8	2175.0	2181.5	2194.7
8°	2151.3	2150.0	2155.3	2163.8	2175.6
9°	2131.0	2126.4	2130.3	2142.8	2160.5
10°	2102.1	2098.2	2098.2	2113.9	2131.0
11°	2064.7	2063.4	2064.1	2079.2	2102.1
12°	2014.2	2015.5	2015.5	2032.6	2060.8
13°	1957.1	1956.4	1962.3	1981.4	2000.4
14°	1887.5	1891.5	1897.4	1914.4	1934.1
15°	1793.7	1806.8	1822.5	1833.0	1844.9
17.5°	1508.2	1521.3	1543.0	1551.5	1554.1
20°	1145.2	1164.3	1167.6	1184.6	1182.7
22.5°	767.9	766.6	769.2	771.2	771.8
25°	393.8	405.6	416.7	424.0	391.8
27.5°	171.3	191.6	206.1	187.0	173.3
30°	82.0	93.2	110.9	93.9	82.7
32.5°	44.6	51.8	70.2	51.2	44.0
35°	24.9	28.9	43.3	28.2	24.3
37.5°	14.4	15.8	23.6	15.8	13.8
40°	7.2	9.2	12.5	9.2	6.6
42.5°	2.6	4.6	6.6	4.6	2.6
45°	0.7	1.3	3.9	1.3	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)