

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: P1312434

Luminaire Tested: LDSQA3D09R459050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

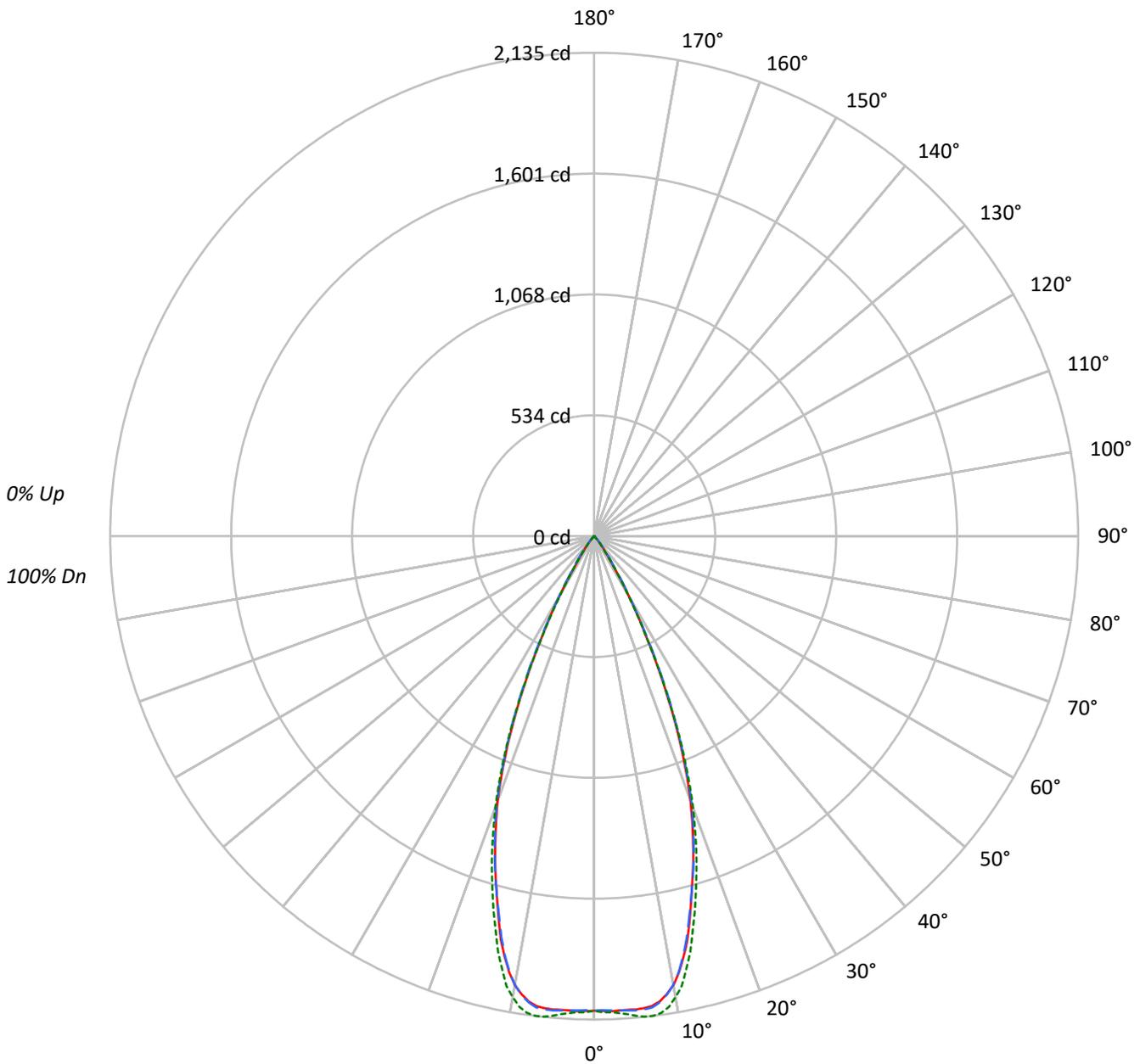
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1085.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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 (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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	361048	361048	361048
5°	362842	363533	367682
10°	352067	351788	361581
15°	295065	294923	305745
20°	228086	230432	233658
25°	139822	142710	140126
30°	59958	62663	58049
35°	18838	22706	18333
40°	6475	8273	6295
45°	1169	3507	974
50°	643	1286	643
55°	721	721	721
60°	551	551	551
65°	652	652	652
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3507 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.2	18.4
10°-20°	460.4	42.4
20°-30°	337.1	31.1
30°-40°	74.5	6.9
40°-50°	9.1	0.8
50°-60°	2.1	0.2
60°-70°	1.5	0.1
70°-80°	0.9	0.1
80°-90°	0.1	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°	996.7	91.9
0°-40°	1071.2	98.7
0°-60°	1082.5	99.8
0°-90°	1085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2096	2096	2096	2096	2096	
5°	2099	2097	2103	2118	2127	198
15°	1655	1646	1654	1694	1715	457
25°	736	735	751	745	737	333
35°	90	94	108	94	87	71
45°	5	8	14	8	4	6
55°	2	2	2	2	2	2
65°	2	2	2	2	2	1
75°	1	1	1	1	1	1
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°	2096.4	2096.4	2096.4	2096.4	2096.4
1°	2098.0	2094.8	2094.0	2099.6	2103.6
2°	2099.6	2095.6	2096.4	2102.0	2104.4
3°	2098.0	2094.0	2098.0	2106.0	2109.2
4°	2097.2	2095.6	2099.6	2110.8	2116.4
5°	2098.8	2097.2	2102.8	2118.0	2126.8
6°	2096.4	2094.0	2102.0	2121.2	2134.0
7°	2090.8	2088.4	2097.2	2120.4	2134.8
8°	2075.6	2070.8	2079.6	2108.4	2126.0
9°	2048.4	2042.0	2050.8	2084.4	2105.2
10°	2013.2	2006.0	2011.6	2044.4	2067.6
11°	1962.8	1953.2	1959.6	1994.8	2025.2
12°	1898.8	1885.2	1893.2	1933.2	1954.8
13°	1829.2	1816.4	1818.0	1854.0	1884.4
14°	1742.8	1726.0	1733.2	1770.8	1794.8
15°	1654.9	1646.1	1654.1	1694.1	1714.8
17.5°	1453.3	1452.5	1459.7	1489.3	1500.5
20°	1244.5	1246.9	1257.3	1273.3	1274.9
22.5°	997.4	998.2	1009.4	1020.6	1018.2
25°	735.8	735.0	751.0	745.4	737.4
27.5°	487.9	491.1	505.5	495.1	487.1
30°	301.5	307.9	315.1	302.3	291.9
32.5°	163.2	173.6	184.0	172.8	162.4
35°	89.6	94.4	108.0	94.4	87.2
37.5°	52.0	54.4	63.2	54.4	49.6
40°	28.8	32.8	36.8	32.8	28.0
42.5°	12.0	18.4	22.4	18.4	12.0
45°	4.8	8.0	14.4	8.0	4.0
47.5°	2.4	3.2	8.8	3.2	2.4
50°	2.4	2.4	4.8	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	1.6	1.6	1.6	2.4	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	0.8	0.8	0.8	1.6	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
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)