

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: P1313719

Luminaire Tested: LDSQA3D13R459727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

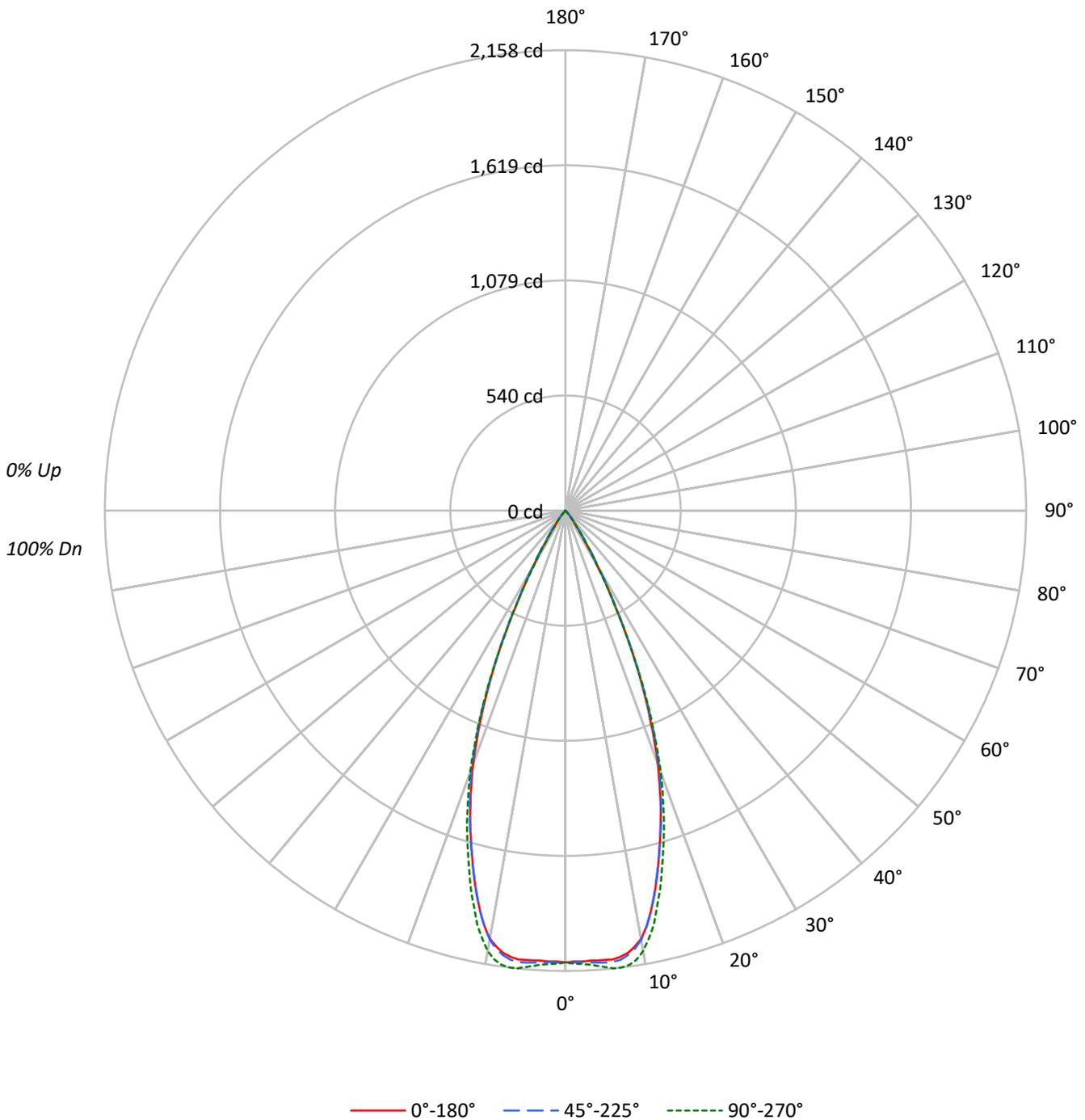
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1095.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	364750	364750	364750
5°	365590	367700	371347
10°	356439	357139	366530
15°	300700	300842	310720
20°	232118	235399	239285
25°	144002	144154	145085
30°	59401	63120	58427
35°	18481	22580	17808
40°	5665	7869	5306
45°	390	2971	390
50°	0	429	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: 2971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.6	18.4
10°-20°	468.7	42.8
20°-30°	343.8	31.4
30°-40°	73.9	6.7
40°-50°	7.0	0.6
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°	1014.0	92.6
0°-40°	1087.9	99.4
0°-60°	1095.0	100.0
0°-90°	1095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2115	2120	2127	2142	2148	200
15°	1686	1683	1687	1714	1743	464
25°	758	755	759	759	764	340
35°	88	94	107	92	85	69
45°	2	5	12	5	2	4
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°	2117.9	2117.9	2117.9	2117.9	2117.9
1°	2113.9	2118.7	2118.7	2122.0	2123.6
2°	2115.5	2118.7	2117.9	2123.6	2126.1
3°	2113.0	2118.7	2120.4	2126.9	2130.9
4°	2113.9	2118.7	2123.6	2133.4	2139.1
5°	2114.7	2120.4	2126.9	2141.5	2148.0
6°	2115.5	2119.5	2126.9	2145.6	2157.8
7°	2107.3	2113.0	2121.2	2144.8	2157.8
8°	2094.3	2097.6	2104.1	2135.0	2150.5
9°	2069.9	2069.1	2078.9	2113.0	2130.9
10°	2038.2	2028.4	2042.2	2076.4	2095.9
11°	1986.9	1976.3	1988.5	2025.1	2043.9
12°	1920.1	1920.1	1922.6	1955.1	1987.7
13°	1849.3	1841.2	1846.1	1882.7	1905.5
14°	1771.2	1763.0	1767.9	1795.6	1831.4
15°	1686.5	1683.3	1687.3	1714.2	1742.7
17.5°	1485.5	1478.1	1492.8	1519.7	1534.3
20°	1266.5	1278.7	1284.4	1301.5	1305.6
22.5°	1015.0	1028.0	1036.2	1038.6	1041.1
25°	757.8	755.4	758.6	758.6	763.5
27.5°	498.1	498.1	507.1	501.4	495.7
30°	298.7	310.9	317.4	306.9	293.8
32.5°	162.8	175.0	185.6	170.1	158.7
35°	87.9	94.4	107.4	92.0	84.7
37.5°	48.0	53.7	61.9	52.1	48.0
40°	25.2	30.9	35.0	30.9	23.6
42.5°	8.1	15.5	20.3	15.5	7.3
45°	1.6	4.9	12.2	4.9	1.6
47.5°	0.0	0.8	5.7	0.8	0.0
50°	0.0	0.0	1.6	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)