

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: P1308178

Luminaire Tested: LDSQA3D13R509027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509027DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

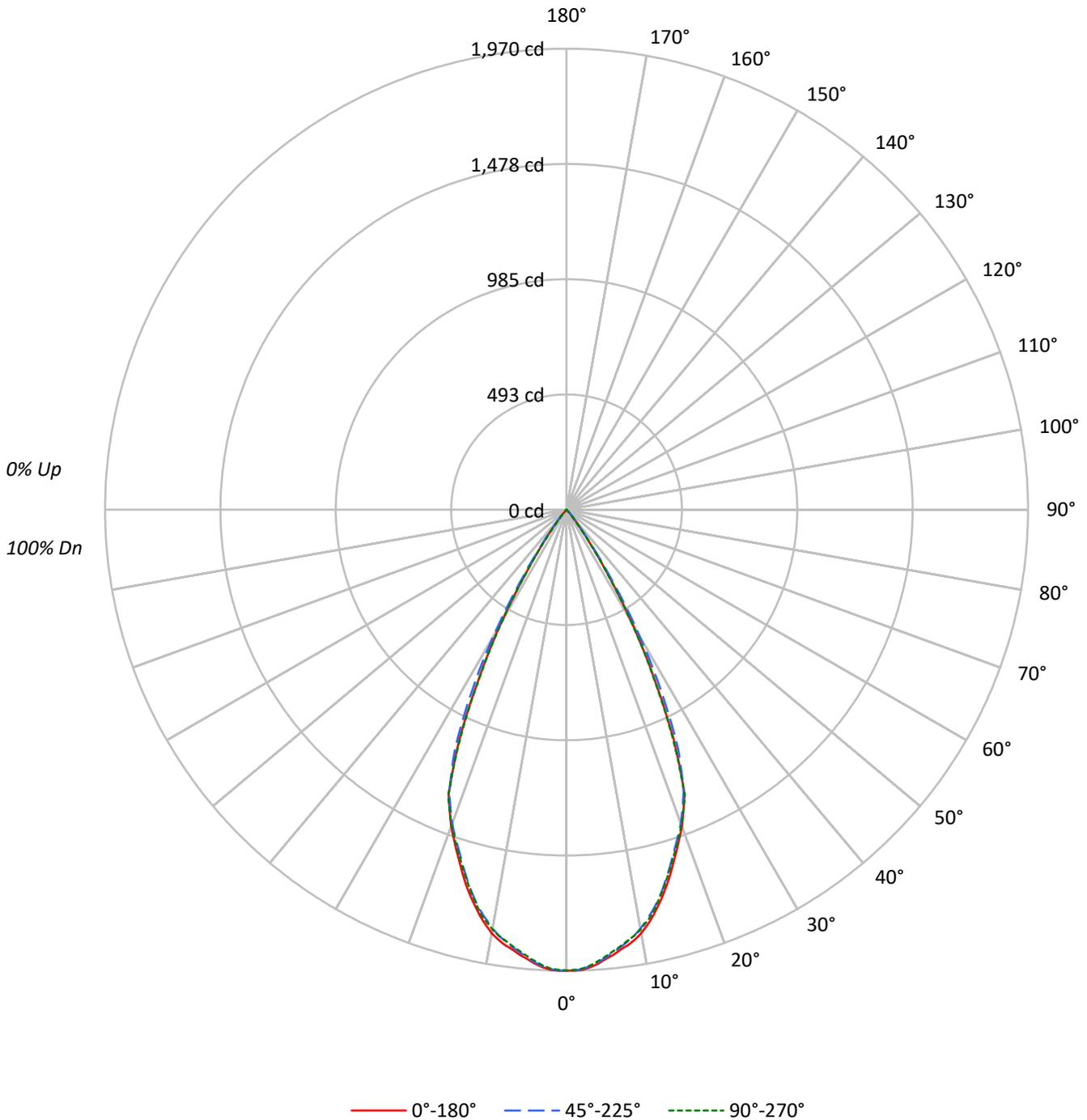
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1268.0 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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 (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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	339124	339124	339124
5°	333210	332259	331325
10°	321358	317861	318508
15°	295618	291892	292712
20°	263972	261479	262982
25°	205438	214065	203215
30°	111285	124271	109297
35°	35090	41755	34333
40°	7756	10814	7352
45°	219	3312	219
50°	0	482	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: 3312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	14.2
10°-20°	458.4	36.1
20°-30°	482.8	38.1
30°-40°	137.9	10.9
40°-50°	8.5	0.7
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°	1121.5	88.5
0°-40°	1259.4	99.3
0°-60°	1268.0	100.0
0°-90°	1268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1969	1969	1969	1969	1969	
5°	1927	1926	1922	1920	1916	181
15°	1658	1647	1637	1640	1642	462
25°	1081	1121	1126	1114	1069	473
35°	167	179	199	169	163	130
45°	1	4	14	4	1	5
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°	1969.1	1969.1	1969.1	1969.1	1969.1
1°	1970.0	1970.9	1969.1	1970.9	1966.4
2°	1967.3	1965.5	1963.7	1964.6	1961.8
3°	1957.3	1956.4	1952.8	1953.7	1950.0
4°	1944.6	1941.9	1939.2	1937.3	1933.7
5°	1927.4	1925.6	1921.9	1920.1	1916.5
6°	1912.9	1909.2	1902.9	1901.1	1897.4
7°	1893.8	1892.0	1883.8	1882.0	1880.2
8°	1879.3	1873.9	1863.9	1864.8	1860.3
9°	1860.3	1853.0	1843.0	1843.0	1843.9
10°	1837.6	1826.7	1817.6	1820.3	1821.3
11°	1807.6	1800.4	1786.8	1793.1	1793.1
12°	1775.0	1765.9	1755.9	1761.4	1765.0
13°	1736.9	1729.6	1720.6	1726.0	1724.2
14°	1699.7	1686.1	1679.8	1687.0	1684.3
15°	1658.0	1647.1	1637.1	1639.9	1641.7
17.5°	1546.4	1534.6	1527.4	1528.3	1536.5
20°	1440.3	1435.8	1426.7	1430.3	1434.9
22.5°	1315.1	1317.0	1306.1	1308.8	1319.7
25°	1081.1	1121.0	1126.5	1113.8	1069.4
27.5°	800.9	860.7	878.9	849.9	795.4
30°	559.6	575.9	624.9	569.6	549.6
32.5°	328.3	352.8	379.1	341.0	327.4
35°	166.9	178.7	198.6	168.7	163.3
37.5°	77.1	82.5	90.7	77.1	72.6
40°	34.5	40.8	48.1	39.0	32.7
42.5°	10.9	19.0	25.4	17.2	10.0
45°	0.9	4.5	13.6	4.5	0.9
47.5°	0.0	0.9	5.4	0.9	0.0
50°	0.0	0.0	1.8	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)