

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: P1313720

Luminaire Tested: LDSQA3D13R459727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313720
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: LDSQA3D13R459727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

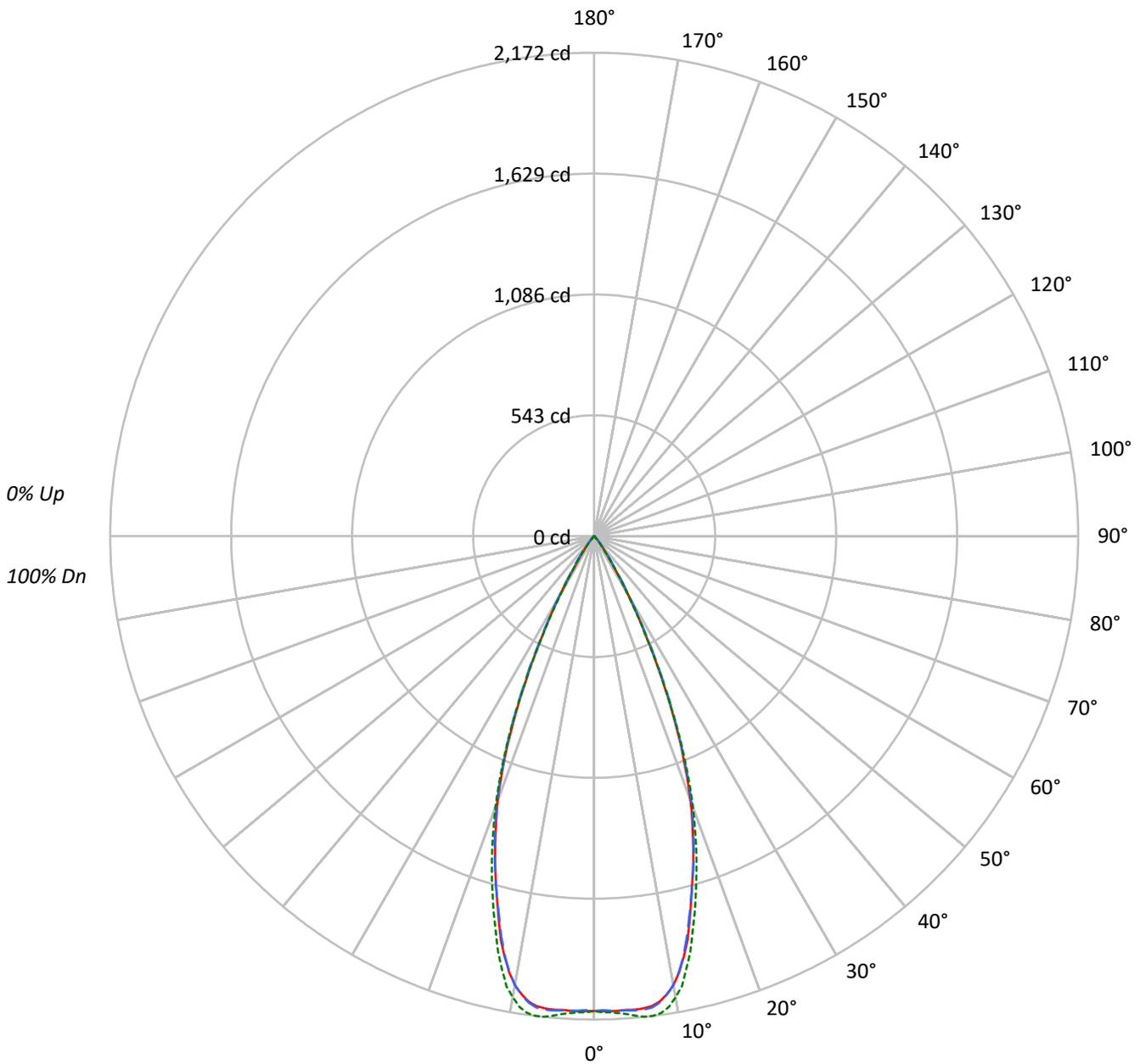
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1103.9 lumens
Efficiency: N/A
Efficacy: 75.6 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): 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



— 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	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	367368	367368	367368
5°	369186	369895	374113
10°	358223	357943	367911
15°	300218	300076	311112
20°	232082	234483	237763
25°	142273	145218	142596
30°	61012	63776	59083
35°	19174	23106	18649
40°	6587	8408	6407
45°	1193	3556	999
50°	643	1313	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: 3556 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.7	18.4
10°-20°	468.5	42.4
20°-30°	343.0	31.1
30°-40°	75.8	6.9
40°-50°	9.3	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°	1014.2	91.9
0°-40°	1090.0	98.7
0°-60°	1101.4	99.8
0°-90°	1103.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2133	2133	2133	2133	2133	
5°	2136	2134	2140	2155	2164	202
15°	1684	1675	1683	1724	1745	465
25°	749	748	764	758	750	339
35°	91	96	110	96	89	72
45°	5	8	15	8	4	7
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°	2133.1	2133.1	2133.1	2133.1	2133.1
1°	2134.7	2131.5	2130.6	2136.3	2140.4
2°	2136.3	2132.3	2133.1	2138.8	2141.2
3°	2134.7	2130.6	2134.7	2142.8	2146.1
4°	2133.9	2132.3	2136.3	2147.7	2153.4
5°	2135.5	2133.9	2139.6	2155.1	2164.0
6°	2133.1	2130.6	2138.8	2158.3	2171.3
7°	2127.4	2124.9	2133.9	2157.5	2172.1
8°	2111.9	2107.0	2116.0	2145.3	2163.2
9°	2084.2	2077.7	2086.7	2120.9	2142.0
10°	2048.4	2041.1	2046.8	2080.2	2103.8
11°	1997.2	1987.4	1993.9	2029.7	2060.6
12°	1932.1	1918.2	1926.4	1967.1	1989.0
13°	1861.3	1848.2	1849.9	1886.5	1917.4
14°	1773.4	1756.3	1763.6	1801.8	1826.3
15°	1683.8	1674.9	1683.0	1723.7	1744.9
17.5°	1478.8	1477.9	1485.3	1515.4	1526.8
20°	1266.3	1268.8	1279.4	1295.6	1297.3
22.5°	1014.9	1015.7	1027.1	1038.5	1036.0
25°	748.7	747.9	764.2	758.5	750.4
27.5°	496.4	499.7	514.3	503.8	495.6
30°	306.8	313.3	320.7	307.6	297.1
32.5°	166.0	176.6	187.2	175.8	165.2
35°	91.2	96.0	109.9	96.0	88.7
37.5°	52.9	55.3	64.3	55.3	50.5
40°	29.3	33.4	37.4	33.4	28.5
42.5°	12.2	18.7	22.8	18.7	12.2
45°	4.9	8.1	14.6	8.1	4.1
47.5°	2.4	3.3	9.0	3.3	2.4
50°	2.4	2.4	4.9	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)