

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: P1318398

Luminaire Tested: LDSQA3D13R459830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318398
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: LDSQA3D13R459830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

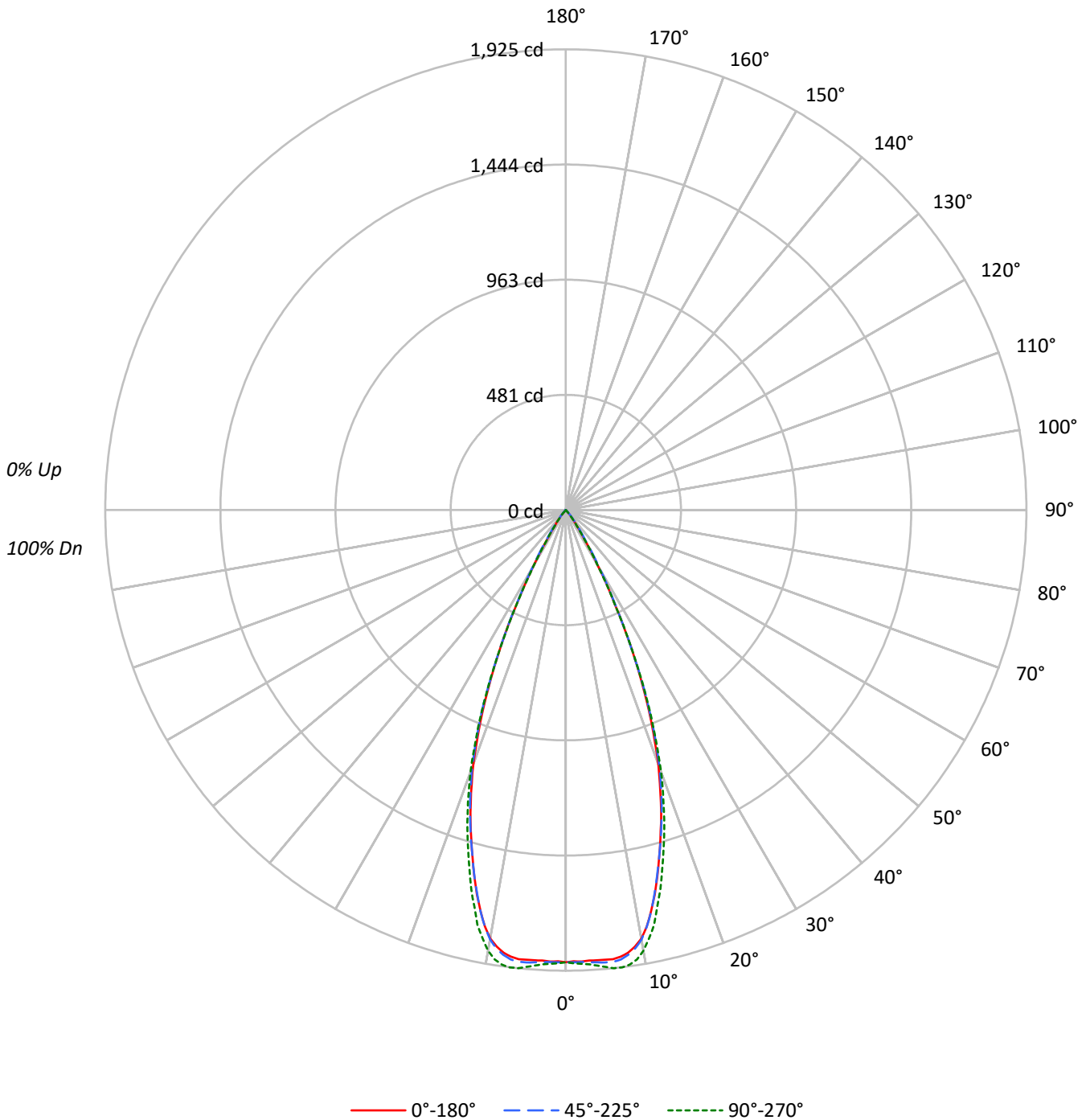
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 977.0 lumens
Efficiency: N/A
Efficacy: 67.4 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): 14.5
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	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°	325449	325449	325449
5°	326191	328075	331343
10°	318018	318648	327042
15°	268303	268428	277236
20°	207101	210034	213498
25°	128477	128629	129446
30°	52998	56319	52143
35°	16483	20162	15873
40°	5058	7014	4744
45°	365	2655	365
50°	0	402	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: 2655 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	18.4
10°-20°	418.2	42.8
20°-30°	306.8	31.4
30°-40°	65.9	6.7
40°-50°	6.3	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°	904.8	92.6
0°-40°	970.7	99.4
0°-60°	977.0	100.0
0°-90°	977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	977.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1890	1890	1890	1890	1890	
5°	1887	1892	1898	1911	1917	178
15°	1505	1502	1506	1530	1555	414
25°	676	674	677	677	681	303
35°	78	84	96	82	76	62
45°	2	4	11	4	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°	1889.7	1889.7	1889.7	1889.7	1889.7
1°	1886.1	1890.4	1890.4	1893.3	1894.8
2°	1887.5	1890.4	1889.7	1894.8	1897.0
3°	1885.3	1890.4	1891.9	1897.7	1901.3
4°	1886.1	1890.4	1894.8	1903.5	1908.6
5°	1886.8	1891.9	1897.7	1910.7	1916.6
6°	1887.5	1891.1	1897.7	1914.4	1925.3
7°	1880.2	1885.3	1892.6	1913.7	1925.3
8°	1868.6	1871.5	1877.3	1904.9	1918.7
9°	1846.8	1846.1	1854.8	1885.3	1901.3
10°	1818.5	1809.8	1822.1	1852.7	1870.1
11°	1772.8	1763.3	1774.2	1806.9	1823.6
12°	1713.2	1713.2	1715.4	1744.4	1773.5
13°	1650.0	1642.8	1647.1	1679.8	1700.1
14°	1580.3	1573.0	1577.4	1602.1	1634.1
15°	1504.8	1501.9	1505.5	1529.5	1554.9
17.5°	1325.4	1318.9	1331.9	1355.9	1369.0
20°	1130.0	1140.9	1146.0	1161.3	1164.9
22.5°	905.6	917.2	924.5	926.7	928.9
25°	676.1	674.0	676.9	676.9	681.2
27.5°	444.5	444.5	452.5	447.4	442.3
30°	266.5	277.4	283.2	273.8	262.2
32.5°	145.2	156.1	165.6	151.8	141.6
35°	78.4	84.2	95.9	82.1	75.5
37.5°	42.8	47.9	55.2	46.5	42.8
40°	22.5	27.6	31.2	27.6	21.1
42.5°	7.3	13.8	18.2	13.8	6.5
45°	1.5	4.4	10.9	4.4	1.5
47.5°	0.0	0.7	5.1	0.7	0.0
50°	0.0	0.0	1.5	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)