

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: P1318243

Luminaire Tested: LDSQA3D09R409830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

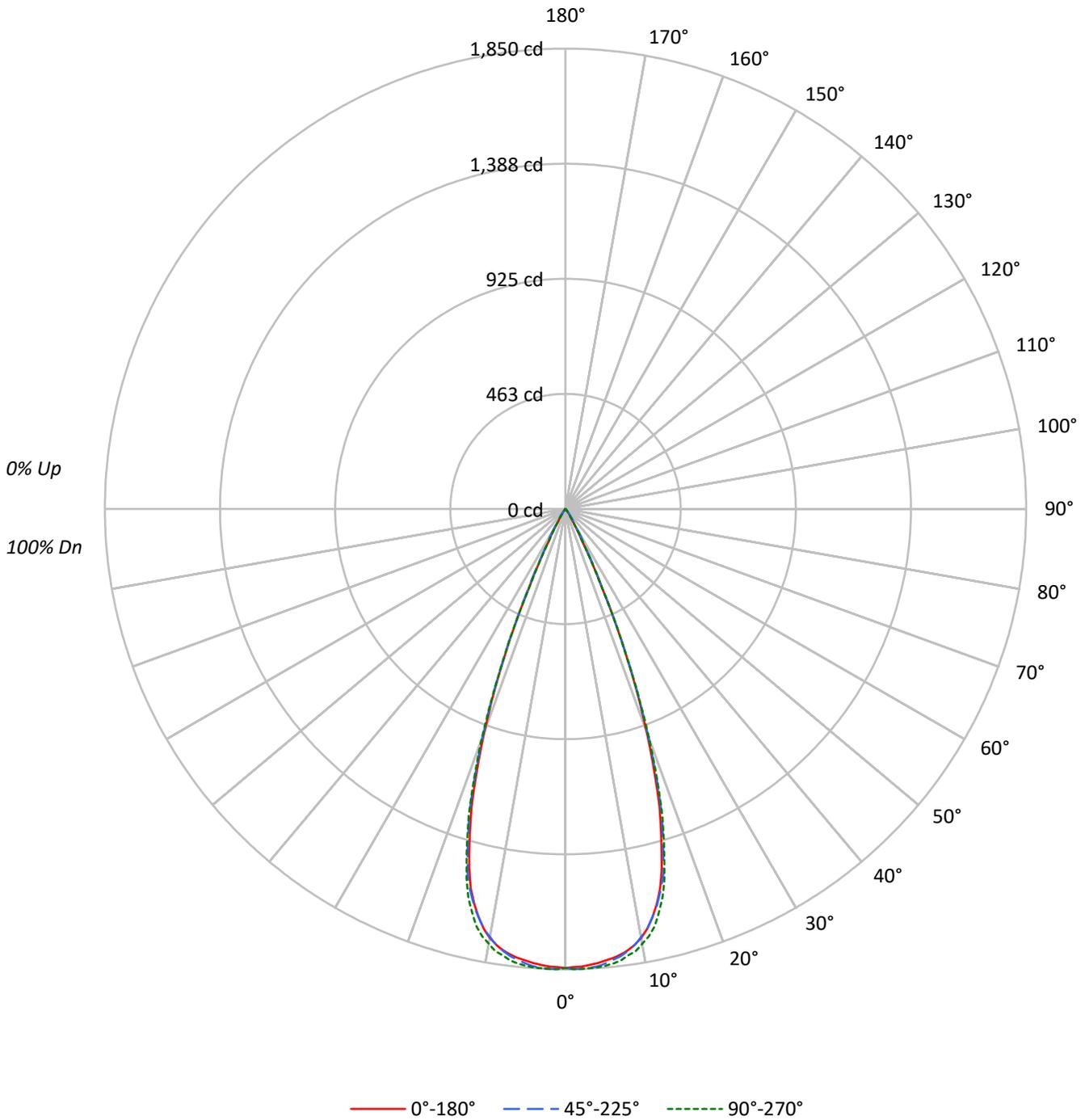
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 776.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	317802	317802	317802
5°	315057	317046	318550
10°	306092	305514	310289
15°	266270	270567	273884
20°	174753	178162	180471
25°	62310	65939	61987
30°	13583	18355	13702
35°	4373	7590	4247
40°	1349	2338	1237
45°	122	804	122
50°	0	134	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: 804 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	22.2
10°-20°	401.9	51.8
20°-30°	180.2	23.2
30°-40°	19.5	2.5
40°-50°	1.8	0.2
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°	754.7	97.3
0°-40°	774.2	99.8
0°-60°	776.0	100.0
0°-90°	776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1822	1827	1834	1837	1843	172
15°	1493	1504	1518	1526	1536	397
25°	328	338	347	353	326	175
35°	21	24	36	24	20	16
45°	0	1	3	1	0	1
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°	1845.3	1845.3	1845.3	1845.3	1845.3
1°	1841.5	1845.3	1848.6	1845.9	1849.7
2°	1839.9	1844.3	1849.2	1846.4	1849.7
3°	1835.5	1841.0	1846.4	1844.8	1848.1
4°	1829.5	1833.9	1842.1	1842.1	1847.0
5°	1822.4	1827.3	1833.9	1836.6	1842.6
6°	1814.7	1817.5	1822.4	1827.9	1836.1
7°	1804.9	1804.9	1810.9	1816.4	1827.3
8°	1791.3	1790.2	1794.5	1801.6	1811.5
9°	1774.3	1770.5	1773.8	1784.1	1798.9
10°	1750.3	1747.0	1747.0	1760.1	1774.3
11°	1719.1	1718.0	1718.6	1731.1	1750.3
12°	1677.0	1678.1	1678.1	1692.3	1715.8
13°	1629.5	1629.0	1633.9	1649.7	1665.6
14°	1571.6	1574.9	1579.8	1594.0	1610.4
15°	1493.4	1504.4	1517.5	1526.2	1536.1
17.5°	1255.7	1266.7	1284.7	1291.8	1294.0
20°	953.5	969.4	972.1	986.3	984.7
22.5°	639.3	638.2	640.4	642.1	642.6
25°	327.9	337.7	347.0	353.0	326.2
27.5°	142.6	159.6	171.6	155.7	144.3
30°	68.3	77.6	92.3	78.1	68.9
32.5°	37.2	43.2	58.5	42.6	36.6
35°	20.8	24.0	36.1	23.5	20.2
37.5°	12.0	13.1	19.7	13.1	11.5
40°	6.0	7.7	10.4	7.7	5.5
42.5°	2.2	3.8	5.5	3.8	2.2
45°	0.5	1.1	3.3	1.1	0.5
47.5°	0.0	0.0	1.6	0.0	0.0
50°	0.0	0.0	0.5	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)