

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: P1316466

Luminaire Tested: LDSQA3D09R459740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316466
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: LDSQA3D09R459740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

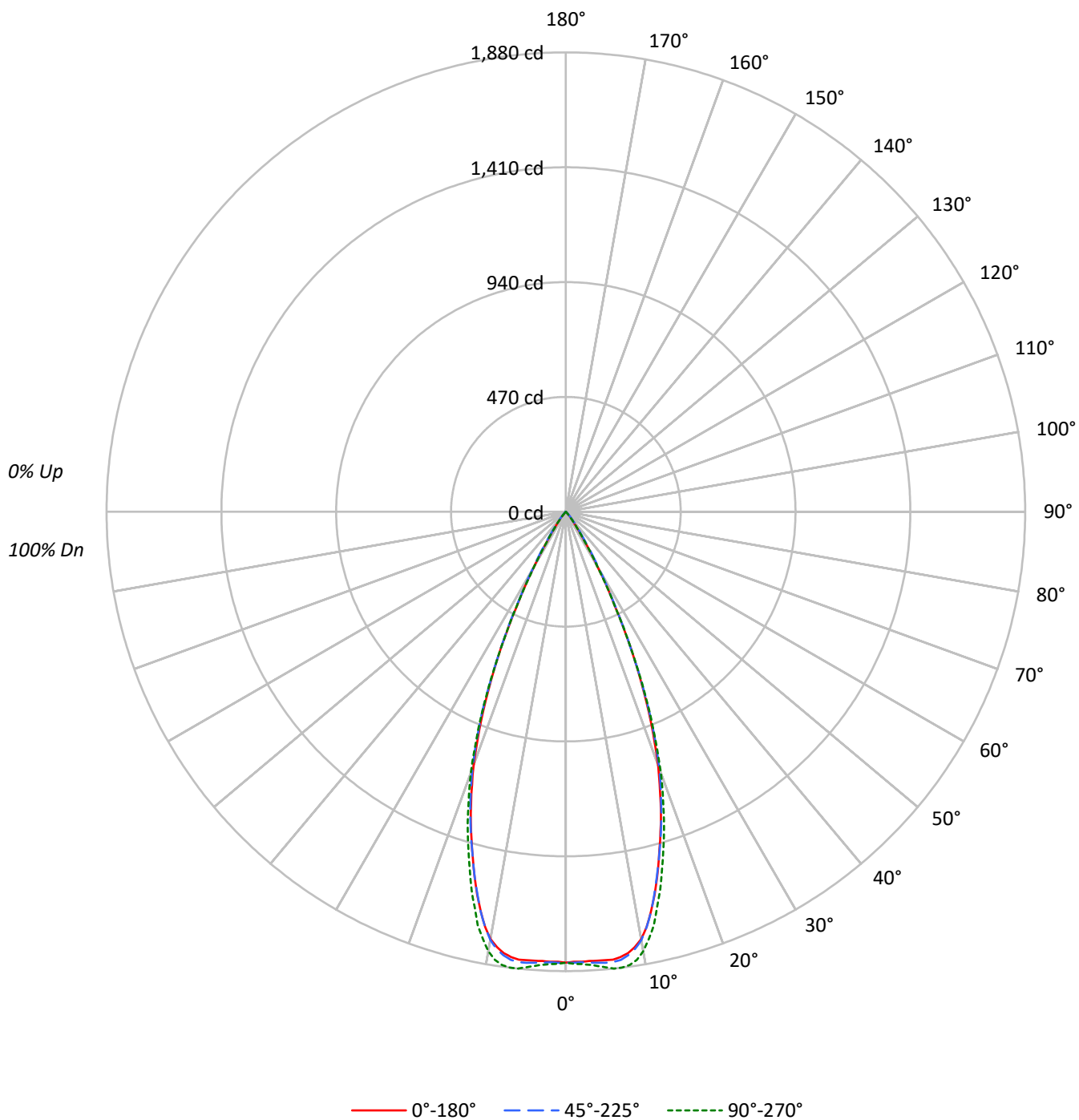
Lumens per Lamp: N/A
Luminaire Lumens: 954.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	317785	317785	317785
5°	318515	320348	323529
10°	310533	311163	319347
15°	261991	262116	270710
20°	202226	205085	208476
25°	125456	125589	126406
30°	51765	55006	50910
35°	16105	19679	15516
40°	4946	6857	4631
45°	341	2582	341
50°	0	375	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: 2582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	18.4
10°-20°	408.3	42.8
20°-30°	299.5	31.4
30°-40°	64.4	6.7
40°-50°	6.1	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°	883.5	92.6
0°-40°	947.8	99.4
0°-60°	954.0	100.0
0°-90°	954.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	954.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1842	1847	1853	1866	1871	174
15°	1469	1466	1470	1494	1518	405
25°	660	658	661	661	665	296
35°	77	82	94	80	74	60
45°	1	4	11	4	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1845.2	1845.2	1845.2	1845.2	1845.2
1°	1841.7	1845.9	1845.9	1848.7	1850.2
2°	1843.1	1845.9	1845.2	1850.2	1852.3
3°	1840.9	1845.9	1847.3	1853.0	1856.5
4°	1841.7	1845.9	1850.2	1858.7	1863.6
5°	1842.4	1847.3	1853.0	1865.8	1871.4
6°	1843.1	1846.6	1853.0	1869.3	1880.0
7°	1836.0	1840.9	1848.0	1868.6	1880.0
8°	1824.6	1827.5	1833.1	1860.1	1873.6
9°	1803.4	1802.7	1811.2	1840.9	1856.5
10°	1775.7	1767.2	1779.3	1809.0	1826.1
11°	1731.0	1721.8	1732.4	1764.4	1780.7
12°	1672.9	1672.9	1675.0	1703.4	1731.7
13°	1611.2	1604.1	1608.3	1640.3	1660.1
14°	1543.1	1536.0	1540.3	1564.4	1595.6
15°	1469.4	1466.5	1470.1	1493.5	1518.3
17.5°	1294.2	1287.8	1300.6	1324.0	1336.7
20°	1103.4	1114.1	1119.0	1133.9	1137.5
22.5°	884.3	895.7	902.7	904.9	907.0
25°	660.2	658.1	660.9	660.9	665.2
27.5°	434.0	434.0	441.8	436.8	431.9
30°	260.3	270.9	276.6	267.3	256.0
32.5°	141.8	152.5	161.7	148.2	138.3
35°	76.6	82.3	93.6	80.1	73.8
37.5°	41.8	46.8	53.9	45.4	41.8
40°	22.0	26.9	30.5	26.9	20.6
42.5°	7.1	13.5	17.7	13.5	6.4
45°	1.4	4.3	10.6	4.3	1.4
47.5°	0.0	0.7	5.0	0.7	0.0
50°	0.0	0.0	1.4	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)