

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: P1309121

Luminaire Tested: LDSQA3D09R459030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309121
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: LDSQA3D09R459030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

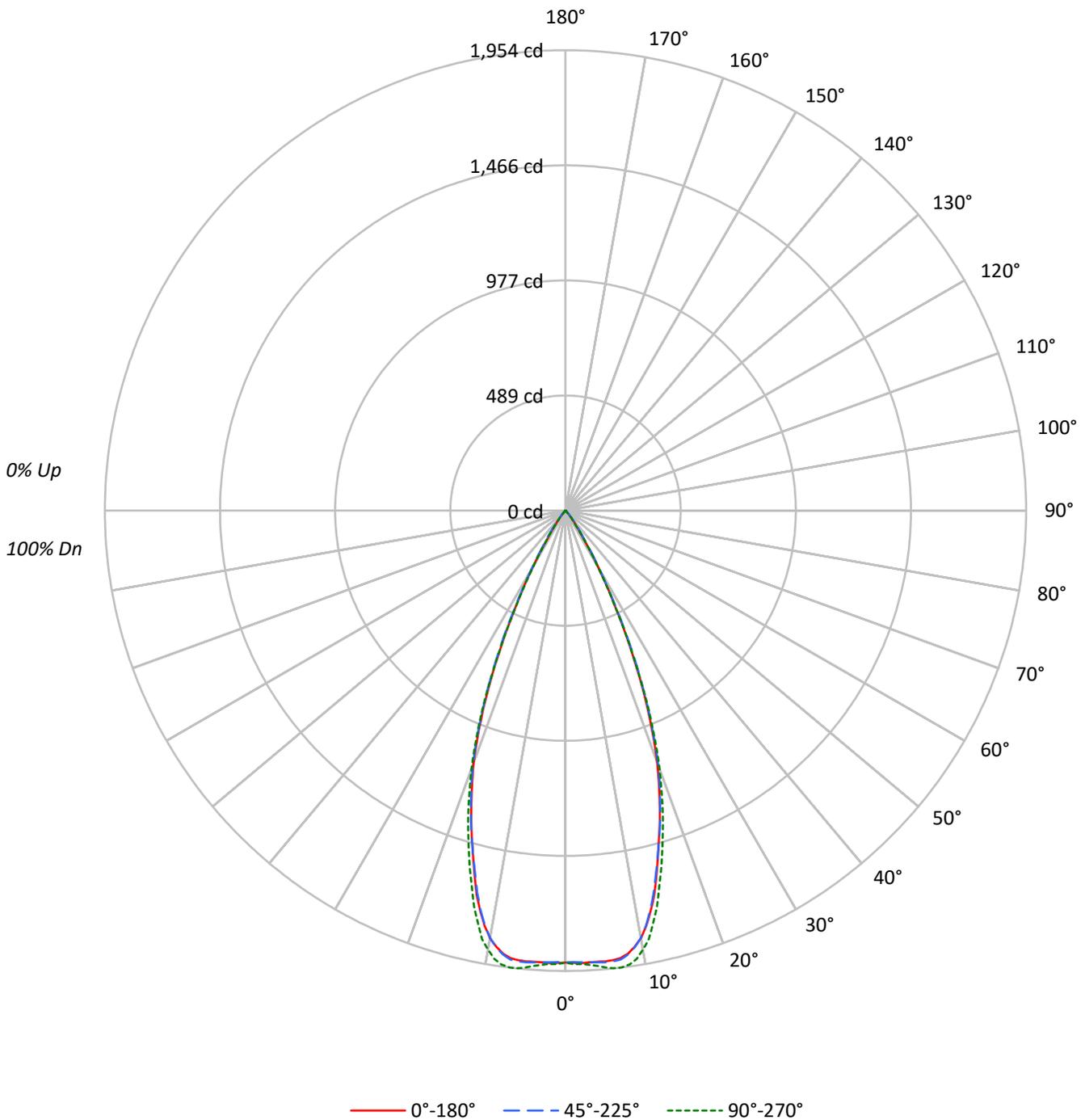
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 993.0 lumens
Efficiency: N/A
Efficacy: 89.5 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): 11.1
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





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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°	330426	330426	330426
5°	332069	332709	336495
10°	322215	321953	330924
15°	270032	269908	279821
20°	208751	210895	213846
25°	127983	130624	128249
30°	54887	57353	53137
35°	17240	20772	16778
40°	5935	7576	5755
45°	1072	3215	901
50°	589	1179	589
55°	661	661	661
60°	517	517	517
65°	611	611	611
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3215 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	18.4
10°-20°	421.4	42.4
20°-30°	308.5	31.1
30°-40°	68.2	6.9
40°-50°	8.4	0.8
50°-60°	2.0	0.2
60°-70°	1.4	0.1
70°-80°	0.8	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°	912.2	91.9
0°-40°	980.4	98.7
0°-60°	990.7	99.8
0°-90°	993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	993.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1919	1919	1919	1919	1919	
5°	1921	1919	1924	1938	1946	181
15°	1514	1506	1514	1550	1569	418
25°	674	673	687	682	675	305
35°	82	86	99	86	80	65
45°	4	7	13	7	4	6
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1918.6	1918.6	1918.6	1918.6	1918.6
1°	1920.1	1917.1	1916.4	1921.5	1925.2
2°	1921.5	1917.9	1918.6	1923.7	1925.9
3°	1920.1	1916.4	1920.1	1927.4	1930.3
4°	1919.3	1917.9	1921.5	1931.8	1936.9
5°	1920.8	1919.3	1924.5	1938.4	1946.4
6°	1918.6	1916.4	1923.7	1941.3	1953.0
7°	1913.5	1911.3	1919.3	1940.6	1953.7
8°	1899.6	1895.2	1903.2	1929.6	1945.7
9°	1874.7	1868.8	1876.9	1907.6	1926.7
10°	1842.5	1835.9	1841.0	1871.0	1892.3
11°	1796.4	1787.6	1793.4	1825.6	1853.5
12°	1737.8	1725.4	1732.7	1769.3	1789.0
13°	1674.1	1662.4	1663.9	1696.8	1724.6
14°	1595.1	1579.7	1586.3	1620.7	1642.6
15°	1514.5	1506.5	1513.8	1550.4	1569.4
17.5°	1330.1	1329.3	1335.9	1363.0	1373.3
20°	1139.0	1141.2	1150.7	1165.4	1166.8
22.5°	912.8	913.6	923.8	934.1	931.9
25°	673.5	672.7	687.4	682.2	674.9
27.5°	446.5	449.5	462.6	453.1	445.8
30°	276.0	281.8	288.4	276.7	267.2
32.5°	149.3	158.8	168.4	158.1	148.6
35°	82.0	86.4	98.8	86.4	79.8
37.5°	47.6	49.8	57.8	49.8	45.4
40°	26.4	30.0	33.7	30.0	25.6
42.5°	11.0	16.8	20.5	16.8	11.0
45°	4.4	7.3	13.2	7.3	3.7
47.5°	2.2	2.9	8.1	2.9	2.2
50°	2.2	2.2	4.4	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	1.5	1.5	1.5	2.2	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	0.7	0.7	0.7	1.5	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
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)