

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: P1309030

Luminaire Tested: LDSQA3D09R159030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

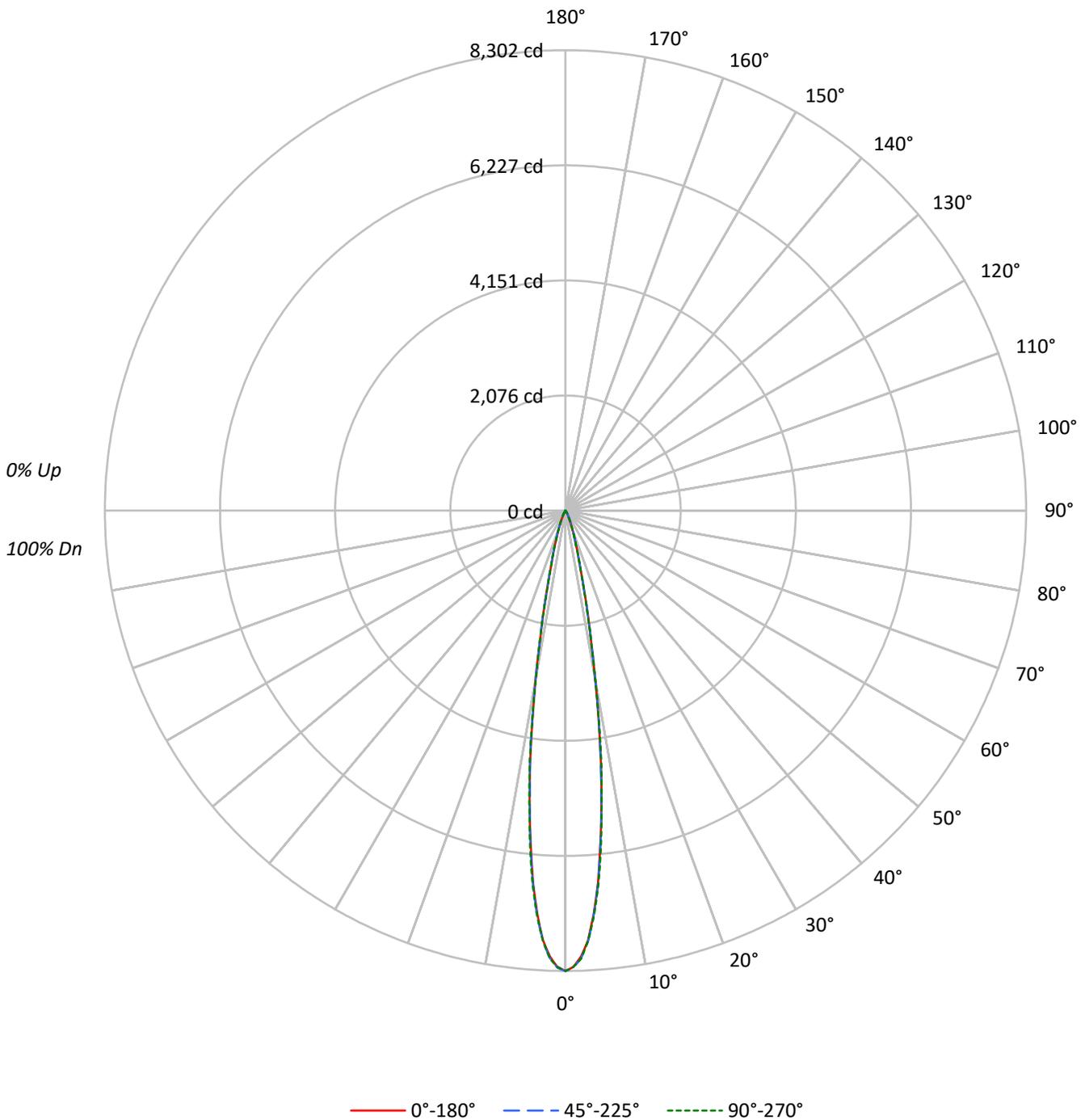
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 932.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1429792	1429792	1429792
5°	1162621	1166684	1170729
10°	541462	541969	539013
15°	167529	173537	170275
20°	66786	70543	65979
25°	27953	32951	26566
30°	11355	15134	10480
35°	3700	6917	3385
40°	1326	2788	1326
45°	536	901	536
50°	402	589	402
55°	450	450	450
60°	517	517	517
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.7	55.8
10°-20°	310.7	33.3
20°-30°	79.1	8.5
30°-40°	17.2	1.8
40°-50°	2.8	0.3
50°-60°	1.4	0.1
60°-70°	0.8	0.1
70°-80°	0.5	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°	909.4	97.6
0°-40°	926.6	99.4
0°-60°	930.7	99.9
0°-90°	932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	932.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8302	8302	8302	8302	8302	
5°	6725	6735	6748	6718	6772	519
15°	940	966	973	959	955	309
25°	147	157	173	154	140	75
35°	18	23	33	22	16	14
45°	2	3	4	3	2	2
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	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°	8302.0	8302.0	8302.0	8302.0	8302.0
1°	8229.6	8243.5	8245.7	8243.5	8231.8
2°	8044.4	8085.4	8076.6	8059.1	8084.0
3°	7758.3	7778.8	7775.9	7777.3	7771.5
4°	7292.9	7328.8	7308.3	7323.6	7325.1
5°	6725.0	6734.6	6748.5	6717.7	6771.9
6°	6026.2	6086.9	6033.5	6086.2	6107.4
7°	5315.6	5350.8	5282.7	5319.3	5341.2
8°	4589.0	4527.5	4564.8	4565.6	4638.0
9°	3804.5	3817.0	3848.4	3812.6	3844.0
10°	3096.2	3124.7	3099.1	3086.6	3082.2
11°	2444.9	2477.1	2474.9	2478.5	2454.4
12°	1967.0	1950.2	1961.2	1925.3	1941.4
13°	1530.9	1531.6	1522.8	1508.2	1495.0
14°	1199.4	1192.1	1212.6	1194.3	1177.4
15°	939.6	965.9	973.3	959.4	955.0
17.5°	579.6	580.3	590.5	577.4	575.9
20°	364.4	373.2	384.9	371.0	360.0
22.5°	230.5	238.6	256.9	239.3	223.9
25°	147.1	157.3	173.4	153.7	139.8
27.5°	92.2	101.7	117.1	98.8	88.5
30°	57.1	63.7	76.1	62.2	52.7
32.5°	32.9	39.5	49.8	37.3	31.5
35°	17.6	22.7	32.9	22.0	16.1
37.5°	10.2	13.2	21.2	11.7	9.5
40°	5.9	8.0	12.4	7.3	5.9
42.5°	3.7	5.1	5.9	4.4	2.9
45°	2.2	2.9	3.7	2.9	2.2
47.5°	1.5	2.2	2.9	1.5	1.5
50°	1.5	1.5	2.2	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	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°	0.0	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)