

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: P1306940

Luminaire Tested: LDSQA3D09R159024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306940
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: LDSQA3D09R159024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

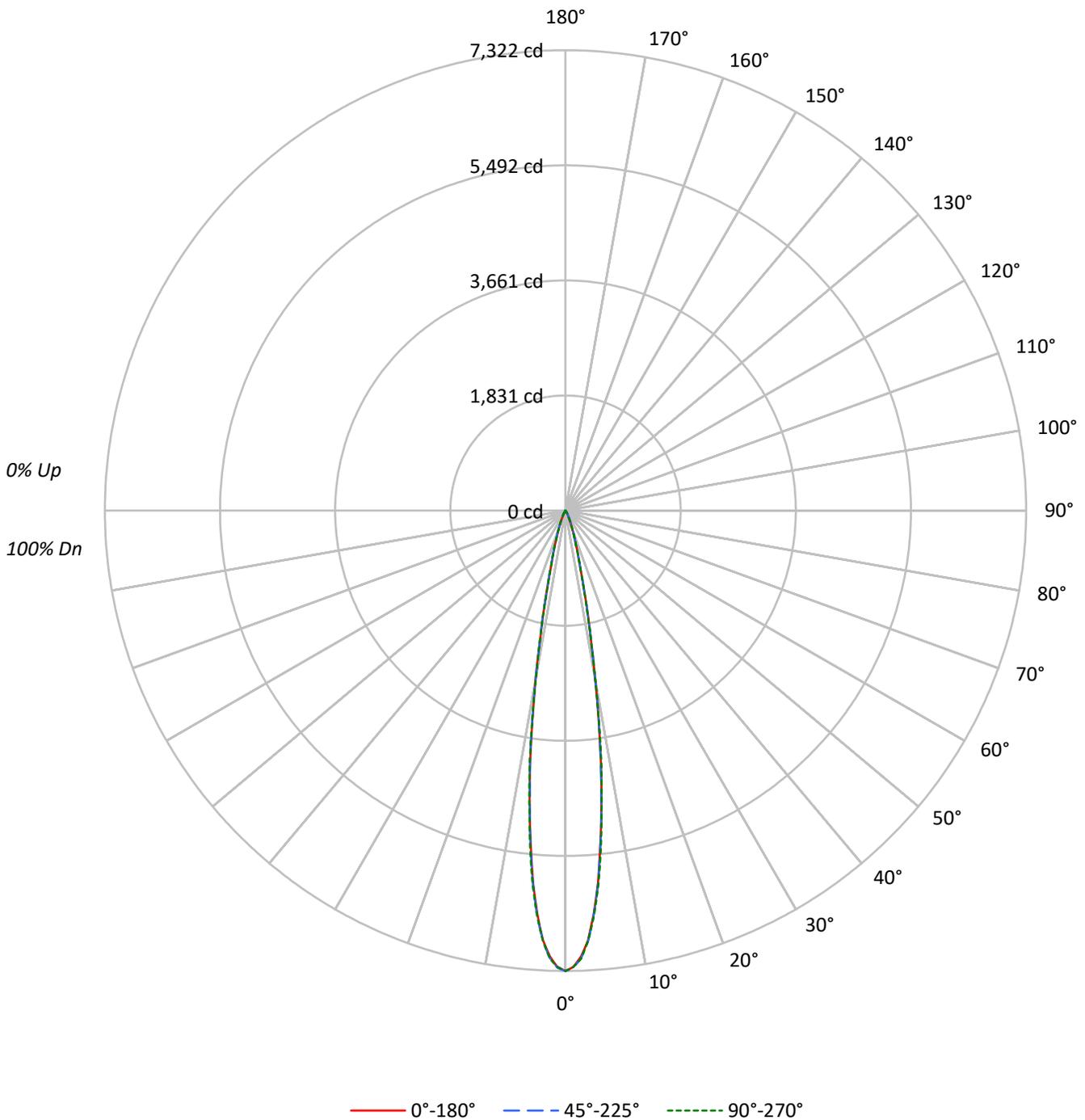
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 821.9 lumens
Efficiency: N/A
Efficacy: 74.0 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

TEST NUMBER: P1306940
CATALOG NUMBER: LDSQA3D09R159024DE010 3LSQCDR1MW

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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1261049	1261049	1261049
5°	1025406	1028985	1032546
10°	477543	477998	475410
15°	147756	153051	150180
20°	58905	62222	58190
25°	24646	29074	23430
30°	10003	13344	9247
35°	3259	6097	2985
40°	1169	2473	1169
45°	463	779	463
50°	348	509	348
55°	390	390	390
60°	448	448	448
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm



TEST NUMBER: P1306940

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.3	55.8
10°-20°	274.0	33.3
20°-30°	69.7	8.5
30°-40°	15.2	1.8
40°-50°	2.4	0.3
50°-60°	1.2	0.1
60°-70°	0.7	0.1
70°-80°	0.4	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°	802.1	97.6
0°-40°	817.2	99.4
0°-60°	820.9	99.9
0°-90°	821.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7322	7322	7322	7322	7322	
5°	5931	5940	5952	5925	5973	457
15°	829	852	858	846	842	273
25°	130	139	153	136	123	66
35°	16	20	29	19	14	12
45°	2	3	3	3	2	2
55°	1	1	1	1	1	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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 CATALOG NUMBER: LDSQA3D09R159024DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7322.2	7322.2	7322.2	7322.2	7322.2
1°	7258.3	7270.5	7272.5	7270.5	7260.2
2°	7095.0	7131.1	7123.4	7107.9	7129.8
3°	6842.6	6860.7	6858.1	6859.4	6854.2
4°	6432.2	6463.8	6445.7	6459.3	6460.5
5°	5931.3	5939.7	5952.0	5924.9	5972.6
6°	5314.9	5368.5	5321.4	5367.9	5386.6
7°	4688.3	4719.2	4659.2	4691.5	4710.8
8°	4047.4	3993.1	4026.1	4026.7	4090.6
9°	3355.5	3366.5	3394.2	3362.6	3390.3
10°	2730.7	2755.9	2733.3	2722.3	2718.5
11°	2156.3	2184.7	2182.8	2186.0	2164.7
12°	1734.9	1720.0	1729.7	1698.1	1712.3
13°	1350.2	1350.8	1343.1	1330.2	1318.6
14°	1057.8	1051.4	1069.4	1053.3	1038.5
15°	828.7	851.9	858.4	846.1	842.3
17.5°	511.2	511.8	520.8	509.2	507.9
20°	321.4	329.2	339.5	327.2	317.5
22.5°	203.3	210.4	226.5	211.0	197.5
25°	129.7	138.8	153.0	135.5	123.3
27.5°	81.3	89.7	103.3	87.1	78.1
30°	50.3	56.2	67.1	54.9	46.5
32.5°	29.0	34.9	43.9	32.9	27.8
35°	15.5	20.0	29.0	19.4	14.2
37.5°	9.0	11.6	18.7	10.3	8.4
40°	5.2	7.1	11.0	6.5	5.2
42.5°	3.2	4.5	5.2	3.9	2.6
45°	1.9	2.6	3.2	2.6	1.9
47.5°	1.3	1.9	2.6	1.3	1.3
50°	1.3	1.3	1.9	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
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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CATALOG NUMBER: LDSQA3D09R159024DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)