

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: P1311266

Luminaire Tested: LDSQA3D09R159040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311266
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: LDSQA3D09R159040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

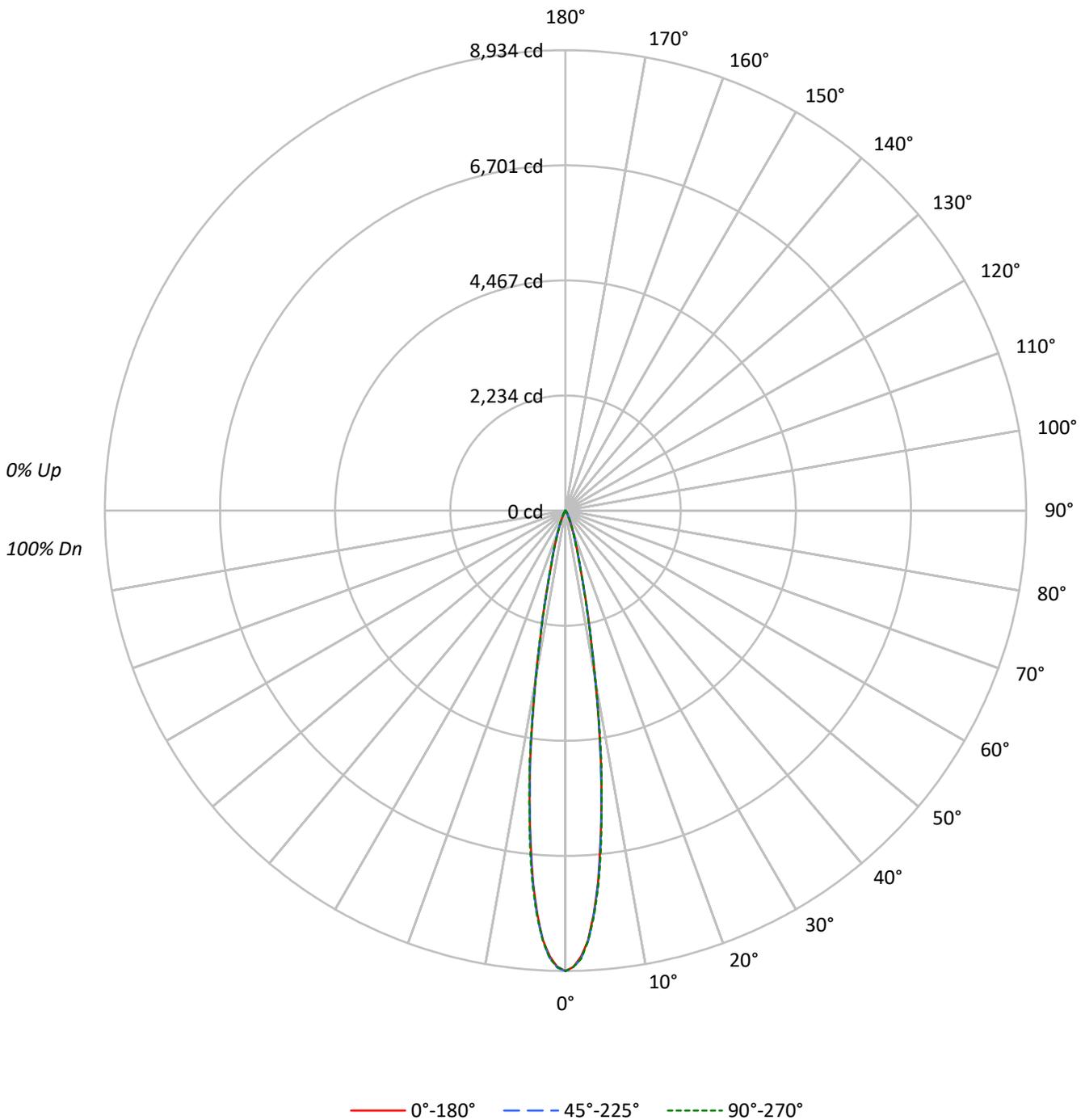
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1003.1 lumens
Efficiency: N/A
Efficacy: 90.4 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				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	97	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	86	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°	1538723	1538723	1538723
5°	1251205	1255562	1259919
10°	582698	583258	580093
15°	180295	186749	183237
20°	71881	75913	71019
25°	30081	35459	28580
30°	12210	16287	11276
35°	3974	7443	3637
40°	1416	3013	1416
45°	585	950	585
50°	429	643	429
55°	480	480	480
60°	551	551	551
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 950 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.2	55.8
10°-20°	334.4	33.3
20°-30°	85.1	8.5
30°-40°	18.5	1.8
40°-50°	3.0	0.3
50°-60°	1.5	0.1
60°-70°	0.9	0.1
70°-80°	0.5	0.1
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°	978.7	97.6
0°-40°	997.2	99.4
0°-60°	1001.6	99.9
0°-90°	1003.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8934	8934	8934	8934	8934	
5°	7237	7248	7263	7230	7288	558
15°	1011	1040	1047	1032	1028	333
25°	158	169	187	165	150	80
35°	19	24	35	24	17	15
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	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°	8934.5	8934.5	8934.5	8934.5	8934.5
1°	8856.5	8871.5	8873.8	8871.5	8858.9
2°	8657.3	8701.4	8691.9	8673.0	8699.8
3°	8349.3	8371.4	8368.2	8369.8	8363.5
4°	7848.5	7887.1	7865.0	7881.6	7883.1
5°	7237.4	7247.6	7262.6	7229.5	7287.8
6°	6485.3	6550.6	6493.1	6549.8	6572.7
7°	5720.6	5758.4	5685.1	5724.5	5748.1
8°	4938.6	4872.4	4912.6	4913.4	4991.3
9°	4094.3	4107.7	4141.6	4103.0	4136.9
10°	3332.0	3362.7	3335.2	3321.8	3317.1
11°	2631.1	2665.8	2663.4	2667.3	2641.4
12°	2116.9	2098.8	2110.6	2072.0	2089.3
13°	1647.5	1648.3	1638.8	1623.1	1608.9
14°	1290.8	1282.9	1304.9	1285.2	1267.1
15°	1011.2	1039.5	1047.4	1032.4	1027.7
17.5°	623.7	624.5	635.5	621.4	619.8
20°	392.2	401.6	414.2	399.3	387.5
22.5°	248.1	256.7	276.4	257.5	241.0
25°	158.3	169.3	186.6	165.4	150.4
27.5°	99.2	109.5	126.0	106.3	95.3
30°	61.4	68.5	81.9	66.9	56.7
32.5°	35.4	42.5	53.6	40.2	33.9
35°	18.9	24.4	35.4	23.6	17.3
37.5°	11.0	14.2	22.8	12.6	10.2
40°	6.3	8.7	13.4	7.9	6.3
42.5°	3.9	5.5	6.3	4.7	3.2
45°	2.4	3.2	3.9	3.2	2.4
47.5°	1.6	2.4	3.2	1.6	1.6
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
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)