

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: P1310162

Luminaire Tested: LDSQA3D09R209035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

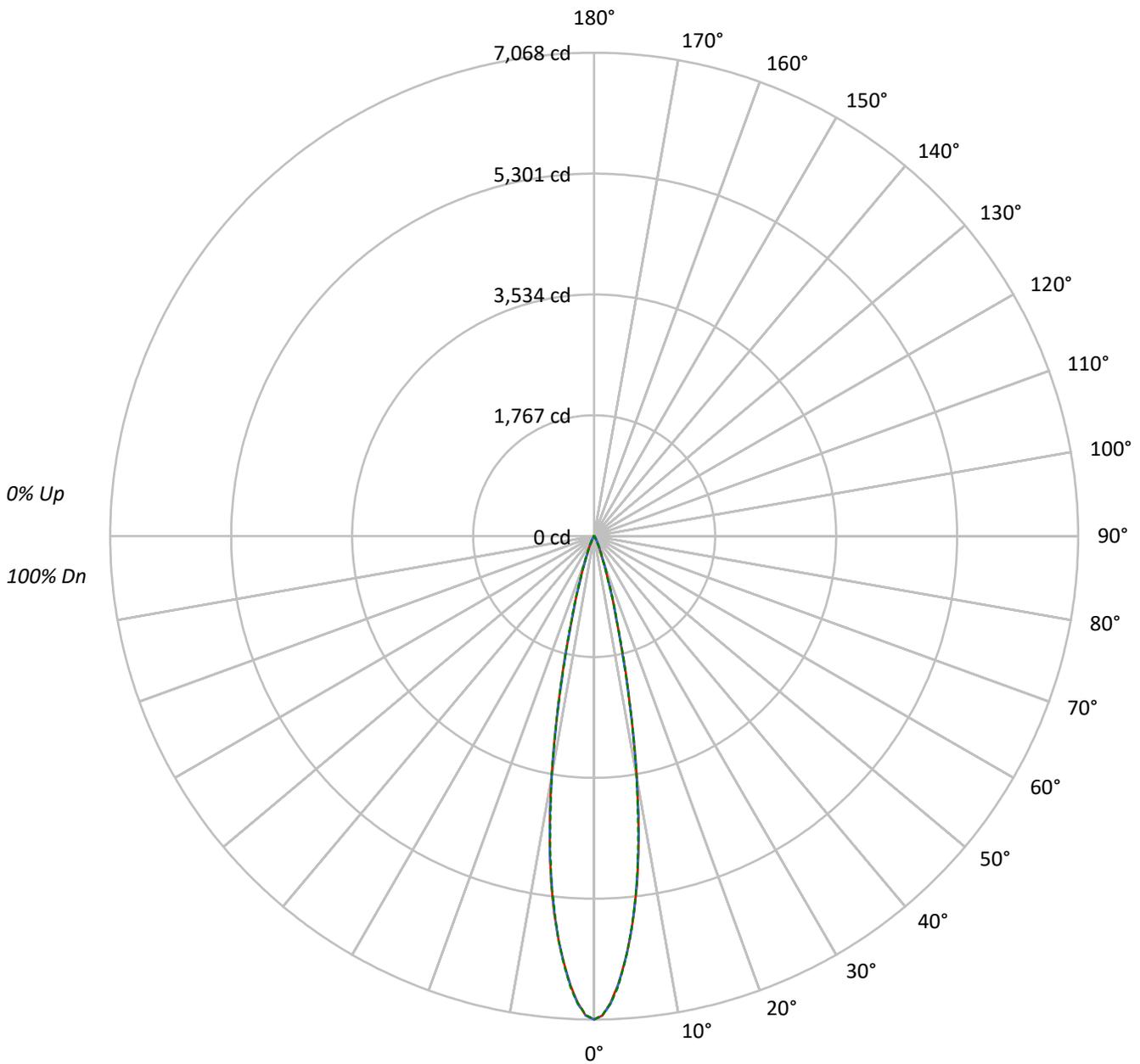
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 974.1 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1217252	1217252	1217252
5°	1025959	1026357	1025838
10°	625194	622291	623743
15°	220216	221161	228007
20°	69187	71129	69608
25°	25920	28352	26642
30°	10043	14239	10500
35°	3805	6328	4121
40°	2023	2720	2023
45°	731	1291	926
50°	402	616	402
55°	450	450	450
60°	276	276	276
65°	326	326	326
70°	403	403	403
75°	0	0	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1291 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.6	50.4
10°-20°	384.7	39.5
20°-30°	75.5	7.8
30°-40°	17.0	1.7
40°-50°	3.9	0.4
50°-60°	1.2	0.1
60°-70°	0.8	0.1
70°-80°	0.3	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°	950.9	97.6
0°-40°	967.9	99.4
0°-60°	972.9	99.9
0°-90°	974.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7068	7068	7068	7068	7068	
5°	5934	5940	5937	5957	5934	492
15°	1235	1240	1240	1268	1279	384
25°	136	145	149	147	140	72
35°	18	22	30	22	20	13
45°	3	4	5	4	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	7067.9	7067.9	7067.9	7067.9	7067.9
1°	7010.6	6995.6	7012.9	6999.3	7002.4
2°	6829.0	6820.7	6843.3	6829.0	6836.6
3°	6576.6	6566.0	6582.6	6583.4	6604.5
4°	6275.1	6254.8	6279.7	6280.4	6284.2
5°	5934.5	5939.8	5936.8	5957.1	5933.8
6°	5551.7	5569.0	5546.4	5557.7	5525.3
7°	5123.7	5101.8	5090.5	5094.3	5116.9
8°	4651.2	4636.1	4652.7	4629.3	4613.5
9°	4125.9	4099.5	4117.6	4095.0	4072.4
10°	3575.0	3563.0	3558.4	3532.8	3566.7
11°	3022.6	2986.5	3004.6	2991.7	3028.7
12°	2505.7	2508.7	2473.3	2484.6	2489.1
13°	2039.2	1991.0	1997.0	2027.9	2033.2
14°	1581.8	1588.6	1590.8	1612.7	1625.5
15°	1235.1	1240.4	1240.4	1267.5	1278.8
17.5°	662.4	662.4	676.7	679.7	681.2
20°	377.5	379.8	388.1	387.3	379.8
22.5°	226.1	230.6	235.1	230.6	226.1
25°	136.4	145.4	149.2	146.9	140.2
27.5°	81.4	91.2	101.7	93.4	80.6
30°	50.5	55.8	71.6	57.3	52.8
32.5°	27.9	36.2	49.0	37.7	28.6
35°	18.1	21.9	30.1	21.9	19.6
37.5°	12.8	15.1	18.8	15.8	13.6
40°	9.0	10.6	12.1	11.3	9.0
42.5°	6.0	7.5	8.3	7.5	6.0
45°	3.0	4.5	5.3	4.5	3.8
47.5°	1.5	2.3	3.8	2.3	1.5
50°	1.5	1.5	2.3	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	0.8	1.5	0.8
60°	0.8	0.8	0.8	0.8	0.8
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°	0.0	0.0	0.0	0.0	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)