

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: P1309044

Luminaire Tested: LDSQA3D09R209030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309044
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: LDSQA3D09R209030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

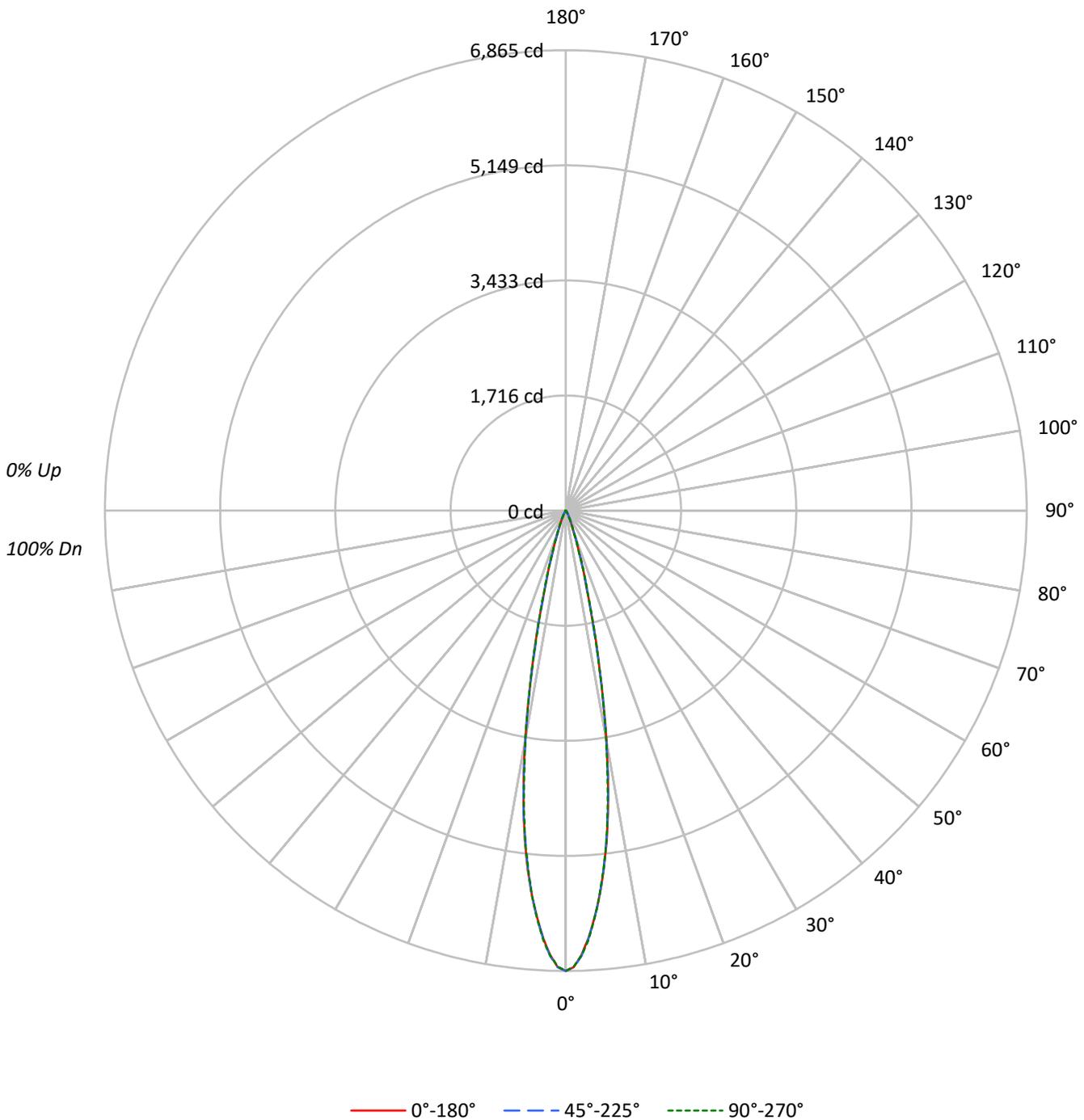
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 946.0 lumens
Efficiency: N/A
Efficacy: 85.2 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





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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	100	98
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1182257	1182257	1182257
5°	996466	996846	996345
10°	607234	604418	605817
15°	213886	214796	221464
20°	67207	69077	67610
25°	25179	27535	25863
30°	9744	13821	10182
35°	3700	6160	3995
40°	1978	2630	1978
45°	706	1242	901
50°	402	589	402
55°	450	450	450
60°	241	241	241
65°	285	285	285
70°	352	352	352
75°	0	0	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1242 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.5	50.4
10°-20°	373.7	39.5
20°-30°	73.4	7.8
30°-40°	16.5	1.7
40°-50°	3.8	0.4
50°-60°	1.2	0.1
60°-70°	0.7	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°	923.6	97.6
0°-40°	940.0	99.4
0°-60°	945.0	99.9
0°-90°	946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6865	6865	6865	6865	6865	
5°	5764	5769	5766	5786	5763	477
15°	1200	1205	1205	1231	1242	373
25°	132	141	145	143	136	70
35°	18	21	29	21	19	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6864.7	6864.7	6864.7	6864.7	6864.7
1°	6809.1	6794.5	6811.3	6798.1	6801.1
2°	6632.7	6624.7	6646.6	6632.7	6640.0
3°	6387.5	6377.3	6393.4	6394.1	6414.6
4°	6094.7	6075.0	6099.1	6099.9	6103.5
5°	5763.9	5769.0	5766.1	5785.9	5763.2
6°	5392.1	5408.9	5387.0	5397.9	5366.5
7°	4976.4	4955.1	4944.2	4947.8	4969.8
8°	4517.4	4502.8	4518.9	4496.2	4480.8
9°	4007.3	3981.7	3999.2	3977.3	3955.3
10°	3472.3	3460.5	3456.2	3431.3	3464.2
11°	2935.8	2900.6	2918.2	2905.7	2941.6
12°	2433.7	2436.6	2402.2	2413.2	2417.5
13°	1980.6	1933.7	1939.6	1969.6	1974.7
14°	1536.3	1542.9	1545.1	1566.3	1578.8
15°	1199.6	1204.7	1204.7	1231.1	1242.1
17.5°	643.4	643.4	657.3	660.2	661.7
20°	366.7	368.9	376.9	376.2	368.9
22.5°	219.6	224.0	228.4	224.0	219.6
25°	132.5	141.3	144.9	142.7	136.1
27.5°	79.0	88.6	98.8	90.8	78.3
30°	49.0	54.2	69.5	55.6	51.2
32.5°	27.1	35.1	47.6	36.6	27.8
35°	17.6	21.2	29.3	21.2	19.0
37.5°	12.4	14.6	18.3	15.4	13.2
40°	8.8	10.2	11.7	11.0	8.8
42.5°	5.9	7.3	8.1	7.3	5.9
45°	2.9	4.4	5.1	4.4	3.7
47.5°	1.5	2.2	3.7	2.2	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	0.7	1.5	0.7
60°	0.7	0.7	0.7	0.7	0.7
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°	0.0	0.0	0.0	0.0	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)