

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: P1309212

Luminaire Tested: LDSQA3D13R209030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309212
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: LDSQA3D13R209030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

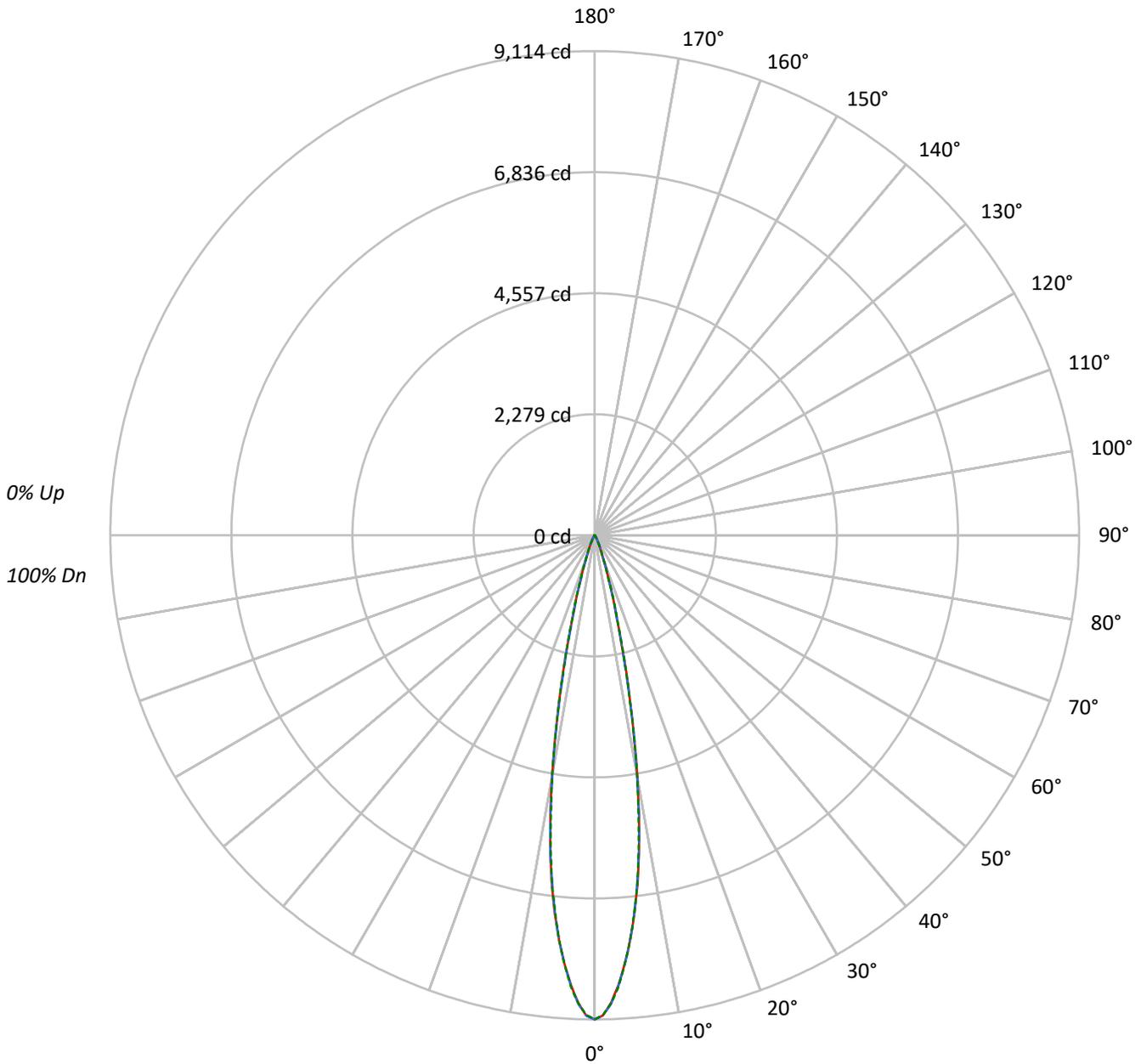
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1256.0 lumens
Efficiency: N/A
Efficacy: 86.0 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): 14.6
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	86	84	88	85	83	88	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°	1569689	1569689	1569689
5°	1323003	1323504	1322830
10°	806212	802469	804341
15°	283975	285188	294031
20°	89237	91729	89768
25°	33426	36561	34338
30°	12946	18355	13523
35°	4899	8179	5319
40°	2630	3485	2630
45°	950	1656	1193
50°	509	777	509
55°	570	570	570
60°	344	344	344
65°	408	408	408
70°	504	504	504
75°	0	0	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1656 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.7	50.4
10°-20°	496.1	39.5
20°-30°	97.4	7.8
30°-40°	21.9	1.7
40°-50°	5.0	0.4
50°-60°	1.5	0.1
60°-70°	1.0	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°	1226.2	97.6
0°-40°	1248.1	99.4
0°-60°	1254.6	99.9
0°-90°	1256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1256.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9114	9114	9114	9114	9114	
5°	7653	7660	7656	7682	7652	634
15°	1593	1600	1600	1634	1649	495
25°	176	188	192	190	181	93
35°	23	28	39	28	25	17
45°	4	6	7	6	5	4
55°	2	2	2	2	2	2
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°	9114.3	9114.3	9114.3	9114.3	9114.3
1°	9040.4	9021.0	9043.3	9025.8	9029.7
2°	8806.2	8795.5	8824.7	8806.2	8815.9
3°	8480.7	8467.1	8488.4	8489.4	8516.6
4°	8092.0	8065.7	8097.8	8098.8	8103.6
5°	7652.7	7659.5	7655.6	7681.9	7651.7
6°	7159.1	7181.4	7152.3	7166.8	7125.0
7°	6607.1	6578.9	6564.3	6569.2	6598.3
8°	5997.8	5978.4	5999.7	5969.6	5949.2
9°	5320.5	5286.5	5309.8	5280.6	5251.5
10°	4610.1	4594.5	4588.7	4555.7	4599.4
11°	3897.8	3851.1	3874.5	3857.9	3905.6
12°	3231.1	3235.0	3189.4	3203.9	3209.8
13°	2629.6	2567.4	2575.2	2615.0	2621.8
14°	2039.8	2048.5	2051.4	2079.6	2096.1
15°	1592.7	1599.5	1599.5	1634.5	1649.1
17.5°	854.2	854.2	872.7	876.5	878.5
20°	486.9	489.8	500.5	499.5	489.8
22.5°	291.5	297.4	303.2	297.4	291.5
25°	175.9	187.6	192.4	189.5	180.7
27.5°	105.0	117.6	131.2	120.5	104.0
30°	65.1	71.9	92.3	73.9	68.0
32.5°	36.0	46.6	63.2	48.6	36.9
35°	23.3	28.2	38.9	28.2	25.3
37.5°	16.5	19.4	24.3	20.4	17.5
40°	11.7	13.6	15.5	14.6	11.7
42.5°	7.8	9.7	10.7	9.7	7.8
45°	3.9	5.8	6.8	5.8	4.9
47.5°	1.9	2.9	4.9	2.9	1.9
50°	1.9	1.9	2.9	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.0	1.9	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	1.0
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)