

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: P1320074

Luminaire Tested: LDSQA3D13R209840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320074
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: LDSQA3D13R209840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

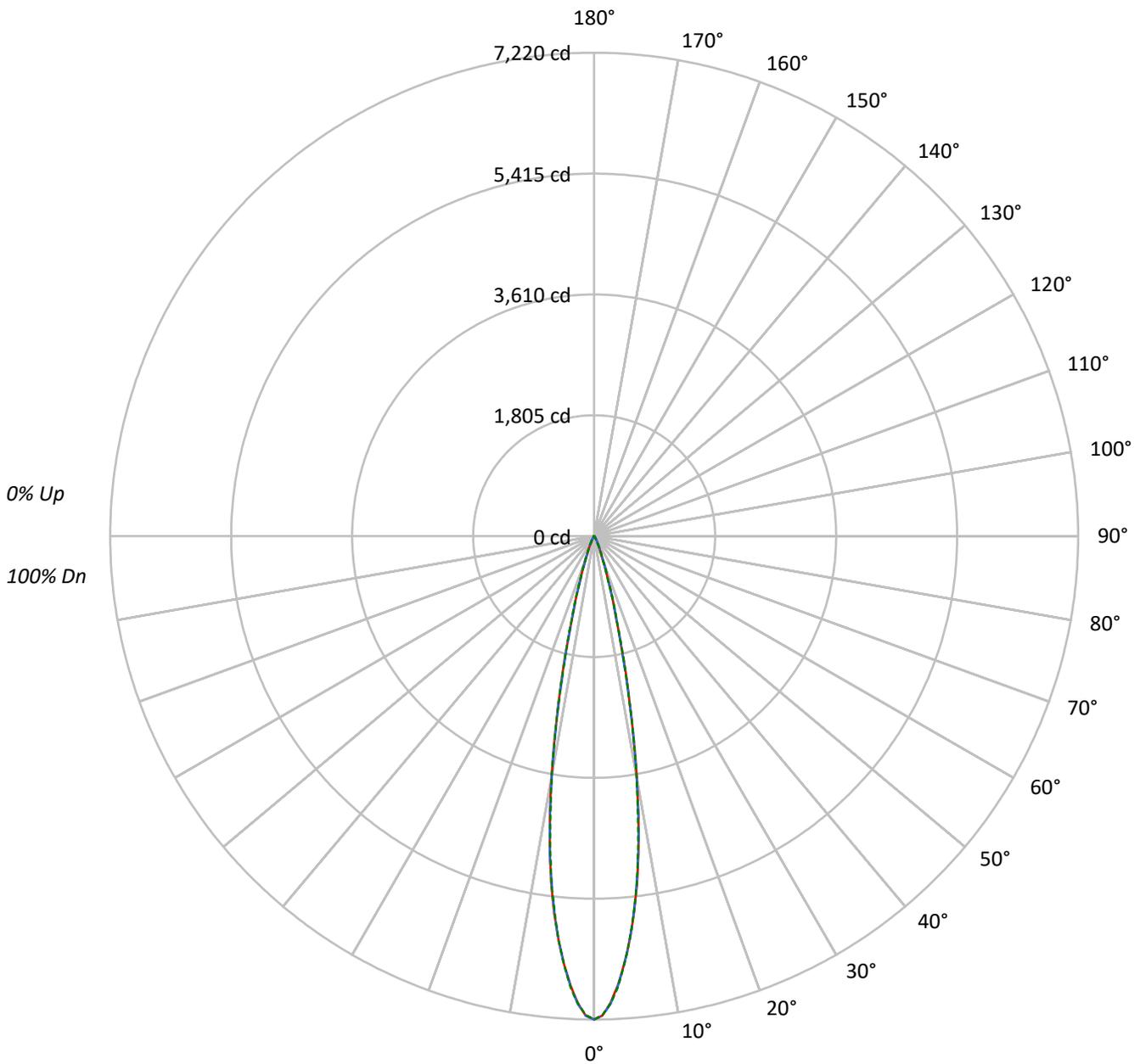
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 995.0 lumens
Efficiency: N/A
Efficacy: 68.6 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): 14.5
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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CATALOG NUMBER: LDSQA3D13R209840DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



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CATALOG NUMBER: LDSQA3D13R209840DE010 3LSQCDR1MW

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°	1243499	1243499	1243499
5°	1048088	1048486	1047950
10°	638677	635722	637191
15°	224976	225939	232929
20°	70689	72669	71111
25°	26471	28960	27212
30°	10261	14537	10719
35°	3890	6476	4205
40°	2068	2765	2068
45°	755	1315	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: 1315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.2	50.4
10°-20°	393.0	39.5
20°-30°	77.2	7.8
30°-40°	17.3	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°	971.4	97.6
0°-40°	988.7	99.4
0°-60°	993.9	99.9
0°-90°	995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7220	7220	7220	7220	7220	
5°	6062	6068	6065	6086	6062	502
15°	1262	1267	1267	1295	1306	392
25°	139	149	152	150	143	73
35°	18	22	31	22	20	14
45°	3	5	5	5	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°	7220.3	7220.3	7220.3	7220.3	7220.3
1°	7161.8	7146.4	7164.1	7150.2	7153.3
2°	6976.3	6967.8	6990.9	6976.3	6984.0
3°	6718.4	6707.6	6724.5	6725.3	6746.9
4°	6410.4	6389.6	6415.1	6415.8	6419.7
5°	6062.5	6067.9	6064.8	6085.6	6061.7
6°	5671.4	5689.1	5666.0	5677.5	5644.4
7°	5234.1	5211.8	5200.2	5204.1	5227.2
8°	4751.4	4736.0	4753.0	4729.1	4712.9
9°	4214.9	4187.9	4206.4	4183.3	4160.2
10°	3652.1	3639.8	3635.2	3609.0	3643.6
11°	3087.8	3050.9	3069.3	3056.3	3094.0
12°	2559.7	2562.8	2526.6	2538.2	2542.8
13°	2083.2	2033.9	2040.1	2071.6	2077.0
14°	1615.9	1622.8	1625.1	1647.5	1660.5
15°	1261.8	1267.2	1267.2	1294.9	1306.4
17.5°	676.7	676.7	691.3	694.4	695.9
20°	385.7	388.0	396.5	395.7	388.0
22.5°	231.0	235.6	240.2	235.6	231.0
25°	139.3	148.6	152.4	150.1	143.2
27.5°	83.1	93.2	103.9	95.5	82.4
30°	51.6	57.0	73.1	58.5	53.9
32.5°	28.5	37.0	50.0	38.5	29.3
35°	18.5	22.3	30.8	22.3	20.0
37.5°	13.1	15.4	19.2	16.2	13.9
40°	9.2	10.8	12.3	11.5	9.2
42.5°	6.2	7.7	8.5	7.7	6.2
45°	3.1	4.6	5.4	4.6	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



TEST NUMBER: P1320074
CATALOG NUMBER: LDSQA3D13R209840DE010 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)