

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: P1312511

Luminaire Tested: LDSQA3D13R159050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312511
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: LDSQA3D13R159050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

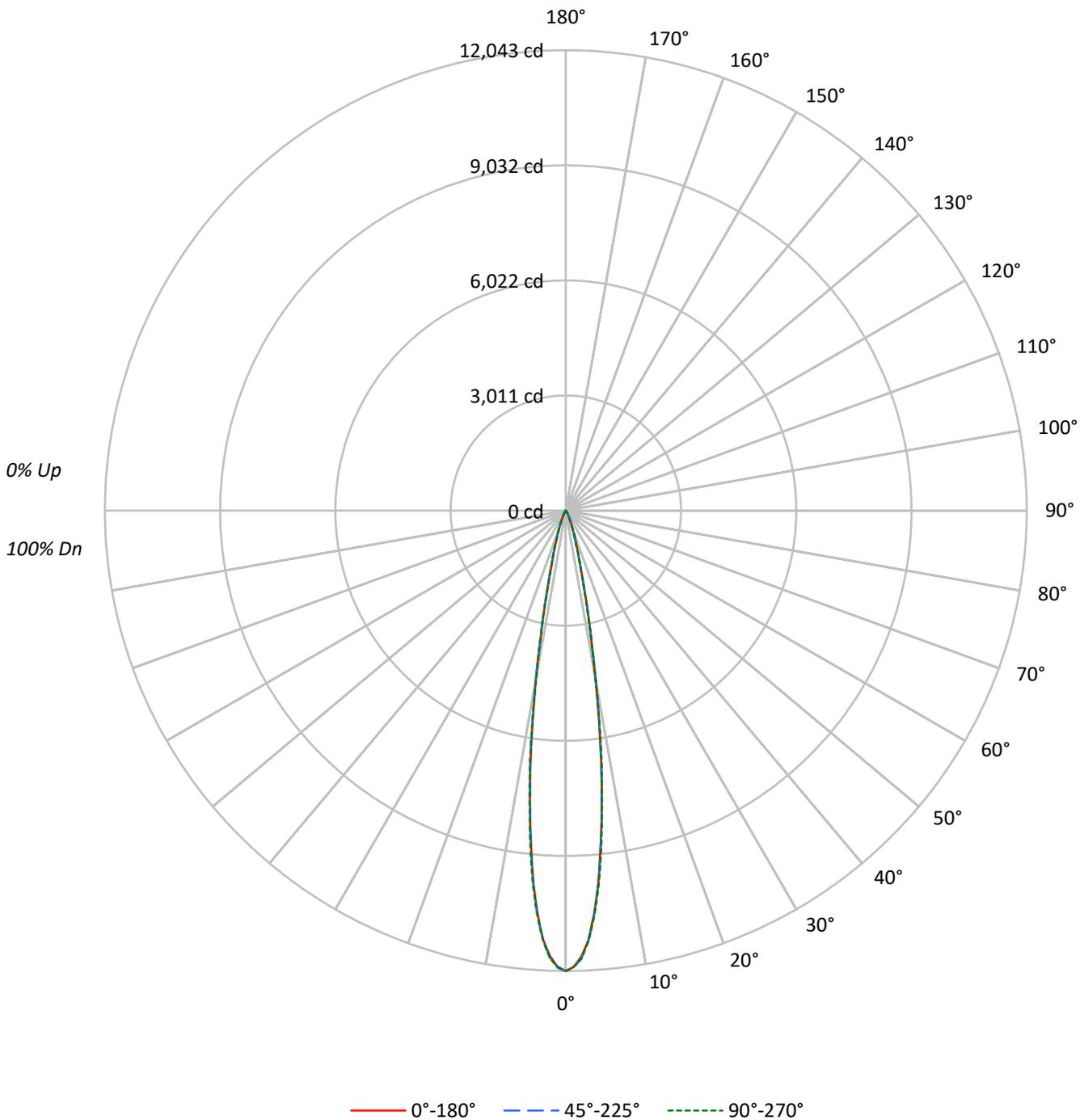
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1352.0 lumens
Efficiency: N/A
Efficacy: 92.6 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): 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





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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	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	99	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°	2074129	2074129	2074129
5°	1686553	1692431	1698309
10°	785454	786206	781921
15°	243020	251739	246996
20°	96898	102341	95725
25°	40552	47811	38537
30°	16466	21955	15193
35°	5361	10050	4920
40°	1911	4047	1911
45°	779	1291	779
50°	563	857	563
55°	631	631	631
60°	723	723	723
65°	448	448	448
70°	554	554	554
75°	732	732	732
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°	753.8	55.8
10°-20°	450.7	33.3
20°-30°	114.7	8.5
30°-40°	24.9	1.8
40°-50°	4.0	0.3
50°-60°	1.9	0.1
60°-70°	1.2	0.1
70°-80°	0.7	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°	1319.3	97.6
0°-40°	1344.2	99.4
0°-60°	1350.1	99.9
0°-90°	1352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12043	12043	12043	12043	12043	
5°	9756	9769	9790	9745	9824	752
15°	1363	1401	1412	1392	1385	449
25°	213	228	252	223	203	108
35°	26	33	48	32	23	20
45°	3	4	5	4	3	3
55°	2	2	2	2	2	2
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°	12043.3	12043.3	12043.3	12043.3	12043.3
1°	11938.2	11958.4	11961.5	11958.4	11941.4
2°	11669.6	11729.1	11716.3	11690.8	11726.9
3°	11254.5	11284.3	11280.0	11282.1	11273.7
4°	10579.4	10631.4	10601.7	10624.0	10626.1
5°	9755.6	9769.4	9789.6	9745.0	9823.6
6°	8741.9	8830.0	8752.5	8828.9	8859.7
7°	7711.1	7762.1	7663.3	7716.4	7748.3
8°	6657.0	6567.8	6621.9	6623.0	6728.1
9°	5519.0	5537.0	5582.7	5530.7	5576.3
10°	4491.4	4532.8	4495.7	4477.6	4471.2
11°	3546.6	3593.3	3590.2	3595.5	3560.4
12°	2853.4	2829.0	2845.0	2792.9	2816.3
13°	2220.8	2221.8	2209.1	2187.9	2168.7
14°	1739.9	1729.3	1759.0	1732.4	1708.0
15°	1363.0	1401.2	1411.9	1391.7	1385.3
17.5°	840.7	841.8	856.7	837.6	835.4
20°	528.7	541.4	558.4	538.2	522.3
22.5°	334.4	346.1	372.6	347.1	324.8
25°	213.4	228.2	251.6	222.9	202.8
27.5°	133.8	147.6	169.8	143.3	128.4
30°	82.8	92.4	110.4	90.2	76.4
32.5°	47.8	57.3	72.2	54.1	45.6
35°	25.5	32.9	47.8	31.8	23.4
37.5°	14.9	19.1	30.8	17.0	13.8
40°	8.5	11.7	18.0	10.6	8.5
42.5°	5.3	7.4	8.5	6.4	4.2
45°	3.2	4.2	5.3	4.2	3.2
47.5°	2.1	3.2	4.2	2.1	2.1
50°	2.1	2.1	3.2	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
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)