

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: P1309823

Luminaire Tested: LDSQA3D02R159035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309823
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: LDSQA3D02R159035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

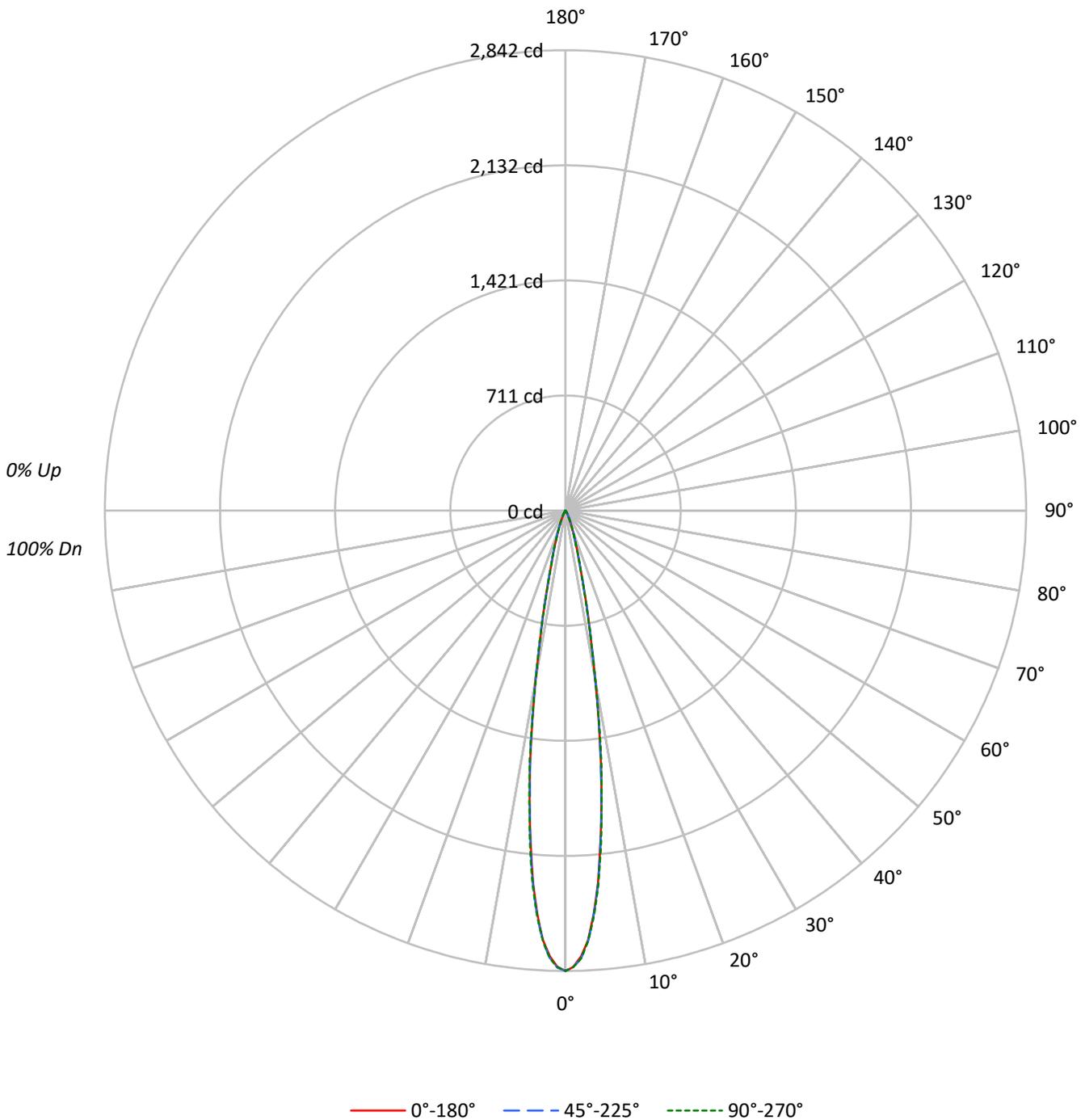
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 319.1 lumens
Efficiency: N/A
Efficacy: 88.6 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): 3.6
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

TEST NUMBER: P1309823
CATALOG NUMBER: LDSQA3D02R159035DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309823

CATALOG NUMBER: LDSQA3D02R159035DE010 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	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	92	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	88	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°	489388	489388	489388
5°	397936	399319	400702
10°	185320	185495	184498
15°	57341	59391	58286
20°	22854	24137	22580
25°	9558	11288	9083
30°	3878	5171	3580
35°	1261	2376	1156
40°	450	967	450
45°	195	317	195
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 317 cd/sqm



TEST NUMBER: P1309823

CATALOG NUMBER: LDSQA3D02R159035DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	55.7
10°-20°	106.3	33.3
20°-30°	27.1	8.5
30°-40°	5.9	1.8
40°-50°	1.0	0.3
50°-60°	0.5	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	311.3	97.5
0°-40°	317.2	99.4
0°-60°	318.6	99.8
0°-90°	319.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	319.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2842	2842	2842	2842	2842	
5°	2302	2305	2310	2299	2318	177
15°	322	331	333	328	327	106
25°	50	54	59	53	48	26
35°	6	8	11	8	6	5
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1309823

CATALOG NUMBER: LDSQA3D02R159035DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2841.6	2841.6	2841.6	2841.6	2841.6
1°	2816.8	2821.5	2822.3	2821.5	2817.5
2°	2753.4	2767.4	2764.4	2758.4	2766.9
3°	2655.5	2662.5	2661.5	2662.0	2660.0
4°	2496.2	2508.4	2501.4	2506.7	2507.2
5°	2301.8	2305.1	2309.8	2299.3	2317.8
6°	2062.6	2083.4	2065.1	2083.2	2090.4
7°	1819.4	1831.4	1808.1	1820.7	1828.2
8°	1570.7	1549.7	1562.4	1562.7	1587.5
9°	1302.2	1306.4	1317.2	1304.9	1315.7
10°	1059.7	1069.5	1060.7	1056.5	1055.0
11°	836.8	847.8	847.1	848.3	840.1
12°	673.3	667.5	671.3	659.0	664.5
13°	524.0	524.2	521.2	516.2	511.7
14°	410.5	408.0	415.0	408.8	403.0
15°	321.6	330.6	333.1	328.4	326.9
17.5°	198.4	198.6	202.1	197.6	197.1
20°	124.7	127.7	131.7	127.0	123.2
22.5°	78.9	81.7	87.9	81.9	76.6
25°	50.3	53.9	59.4	52.6	47.8
27.5°	31.6	34.8	40.1	33.8	30.3
30°	19.5	21.8	26.0	21.3	18.0
32.5°	11.3	13.5	17.0	12.8	10.8
35°	6.0	7.8	11.3	7.5	5.5
37.5°	3.5	4.5	7.3	4.0	3.3
40°	2.0	2.8	4.3	2.5	2.0
42.5°	1.3	1.8	2.0	1.5	1.0
45°	0.8	1.0	1.3	1.0	0.8
47.5°	0.5	0.8	1.0	0.5	0.5
50°	0.5	0.5	0.8	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
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: P1309823
CATALOG NUMBER: LDSQA3D02R159035DE010 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)