

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: P1313134

Luminaire Tested: LDSQA3D02R159727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159727DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

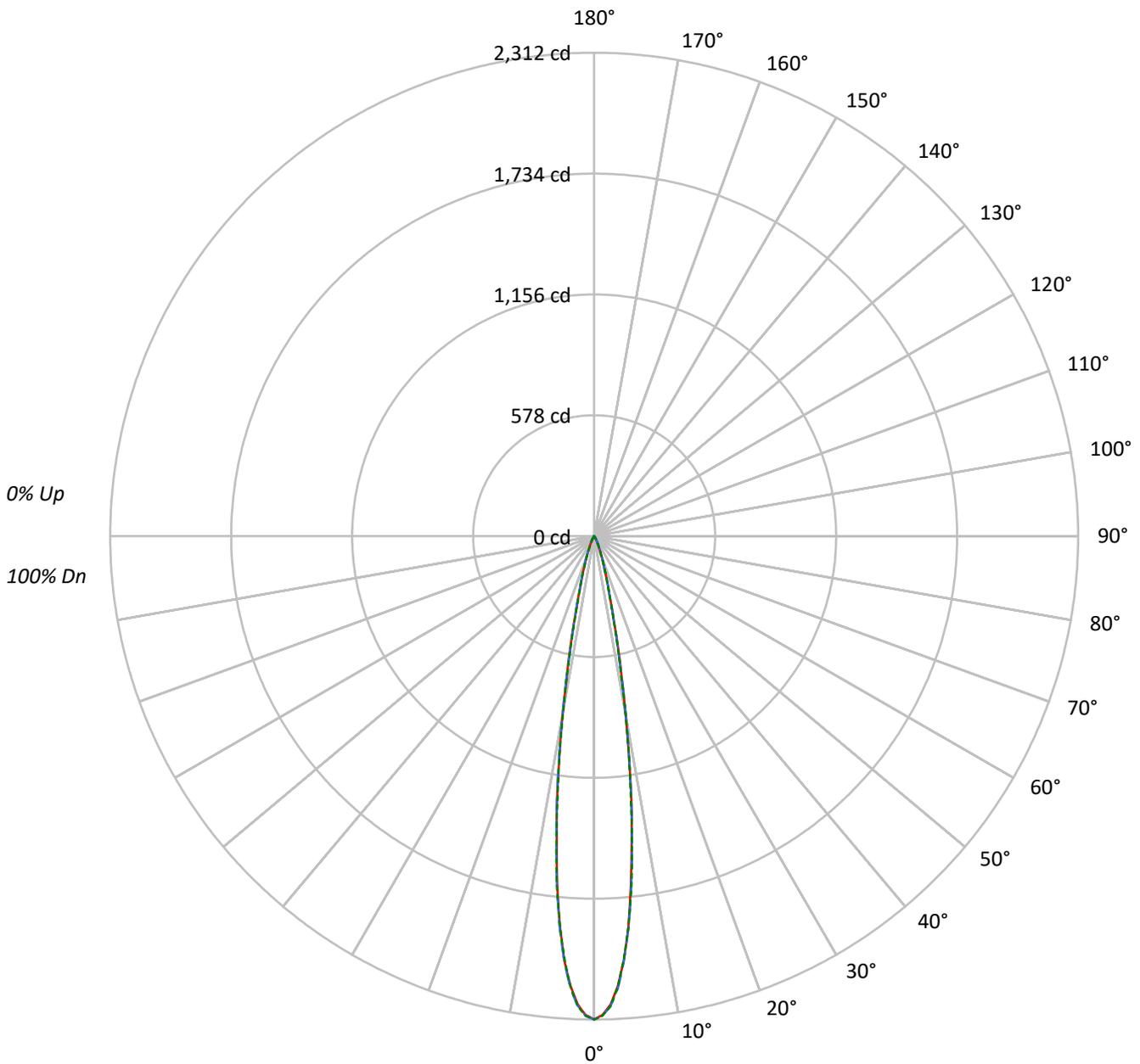
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 258.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 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 (Ain): 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: P1313134
CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1313134
 CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCDR1MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	398127	398127	398127
5°	324151	325206	324566
10°	151201	152565	150641
15°	47481	47891	47588
20°	18804	19555	18218
25°	7601	9197	7335
30°	3043	4176	2884
35°	904	1850	862
40°	270	697	225
45°	49	146	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 146 cd/sqm



TEST NUMBER: P1313134

CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.7	56.1
10°-20°	86.6	33.6
20°-30°	21.8	8.5
30°-40°	4.5	1.7
40°-50°	0.4	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	253.1	98.1
0°-40°	257.6	99.8
0°-60°	258.0	100.0
0°-90°	258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2312	2312	2312	2312	2312	
5°	1875	1872	1881	1876	1877	144
15°	266	269	269	265	267	87
25°	40	44	48	43	39	21
35°	4	6	9	6	4	4
45°	0	0	1	0	0	0
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: P1313134
 CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2311.7	2311.7	2311.7	2311.7	2311.7
1°	2290.9	2298.6	2294.5	2297.8	2294.1
2°	2241.3	2251.7	2248.4	2247.4	2250.2
3°	2153.9	2166.0	2165.6	2162.5	2157.6
4°	2034.8	2029.9	2037.4	2036.6	2028.2
5°	1875.0	1871.5	1881.1	1876.4	1877.4
6°	1679.5	1694.6	1691.3	1691.7	1695.6
7°	1469.5	1477.6	1484.6	1490.3	1482.3
8°	1276.6	1274.6	1275.2	1281.7	1259.7
9°	1060.7	1073.4	1065.2	1052.2	1060.5
10°	864.6	872.4	872.4	861.0	861.4
11°	689.3	695.7	691.2	694.0	676.1
12°	555.7	540.0	536.3	539.1	538.9
13°	424.3	425.3	424.3	424.1	422.0
14°	332.6	337.9	335.7	330.2	327.7
15°	266.3	268.6	268.6	264.7	266.9
17.5°	160.0	162.6	163.3	160.6	160.6
20°	102.6	103.9	106.7	102.8	99.4
22.5°	63.3	65.9	70.8	65.1	62.2
25°	40.0	43.7	48.4	42.9	38.6
27.5°	25.1	28.2	32.2	26.9	24.3
30°	15.3	17.3	21.0	16.9	14.5
32.5°	8.6	10.2	13.3	9.8	8.2
35°	4.3	5.7	8.8	5.5	4.1
37.5°	2.4	3.1	5.5	2.7	2.2
40°	1.2	1.6	3.1	1.6	1.0
42.5°	0.4	0.8	1.2	0.8	0.4
45°	0.2	0.4	0.6	0.4	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1313134
CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)