

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: P1306617

Luminaire Tested: LDSQA3D02R159024DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159024DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

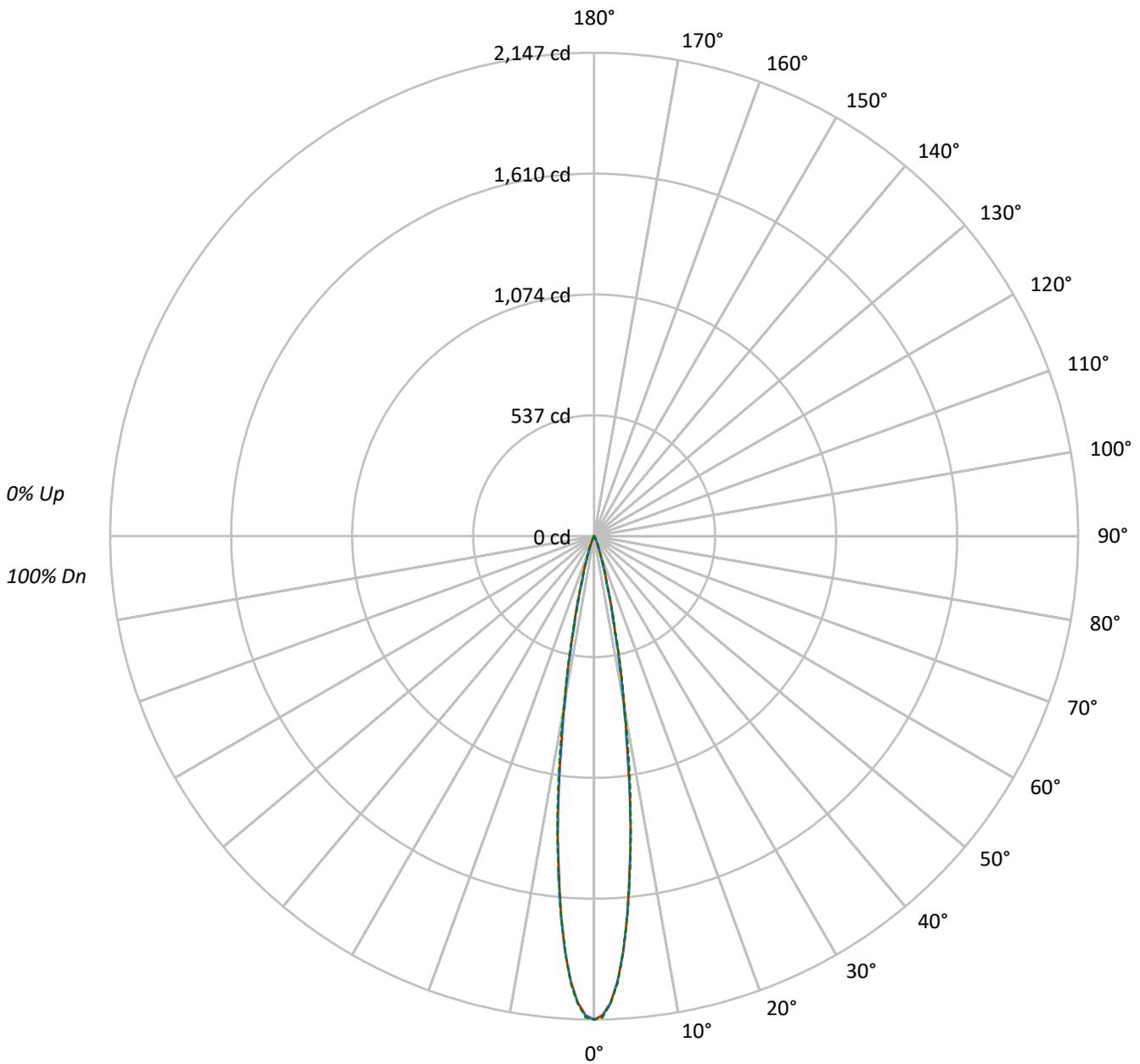
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
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: P1306617
CATALOG NUMBER: LDSQA3D02R159024DE010 3LSQPHR1MMS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1306617

CATALOG NUMBER: LDSQA3D02R159024DE010 3LSQPHR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	369796	369796	369796
5°	291701	292479	291442
10°	133451	129953	136266
15°	39671	35428	38869
20°	11785	11436	12371
25°	3344	4333	3877
30°	1193	1293	1153
35°	463	399	399
40°	202	90	135
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 0°
 Vertical Angle: 47.5°
 Luminance: 102 cd/sqm



TEST NUMBER: P1306617

CATALOG NUMBER: LDSQA3D02R159024DE010 3LSQPHR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.7	60.3
10°-20°	72.0	33.5
20°-30°	11.5	5.3
30°-40°	1.5	0.7
40°-50°	0.2	0.1
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°	213.2	99.2
0°-40°	214.7	99.9
0°-60°	215.0	100.0
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2147	2147	2147	2147	2147	
5°	1687	1701	1692	1685	1686	129
15°	222	220	199	211	218	73
25°	18	20	23	23	20	11
35°	2	2	2	2	2	2
45°	0	0	0	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: P1306617
 CATALOG NUMBER: LDSQA3D02R159024DE010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
1°	2128.7	2131.1	2134.1	2131.3	2128.7	2131.1	2127.8	2128.3	2125.7	2131.3	2137.5
2°	2074.5	2077.5	2075.8	2071.9	2078.0	2078.4	2071.7	2068.5	2068.1	2073.7	2075.8
3°	1978.6	1985.5	1985.7	1984.4	1982.5	1978.6	1971.7	1976.3	1970.0	1966.1	1988.1
4°	1851.1	1857.1	1864.2	1859.5	1845.3	1846.6	1851.1	1835.8	1836.7	1845.5	1846.2
5°	1687.3	1705.5	1706.4	1699.7	1688.6	1691.8	1688.6	1684.3	1685.8	1691.4	1685.8
6°	1494.4	1515.0	1499.8	1514.4	1511.2	1515.3	1516.3	1511.8	1515.0	1511.6	1510.5
7°	1327.8	1312.1	1314.2	1308.2	1314.6	1318.9	1321.5	1313.8	1320.0	1329.9	1332.7
8°	1121.1	1116.6	1112.1	1122.8	1119.8	1125.0	1128.2	1136.8	1136.4	1139.4	1149.3
9°	924.4	931.0	935.1	925.7	933.8	917.9	923.5	946.5	940.5	946.5	964.2
10°	763.1	768.5	762.5	762.2	753.6	743.1	742.5	751.1	769.1	783.3	779.2
12.5°	421.0	425.7	426.4	426.0	410.5	393.1	396.3	403.2	414.3	419.1	426.8
15°	222.5	222.3	224.7	218.0	209.9	198.7	199.5	209.0	217.4	219.5	218.0
17.5°	114.2	114.6	116.3	114.6	106.0	107.1	109.4	110.5	115.5	117.4	116.3
20°	64.3	64.5	64.3	64.9	61.5	62.4	65.4	65.6	66.7	67.7	67.5
22.5°	36.8	37.0	38.3	37.8	37.0	38.1	38.7	39.8	40.2	39.8	41.1
25°	17.6	17.8	17.8	20.4	21.7	22.8	23.2	22.8	22.4	20.6	20.4
27.5°	10.1	10.1	10.5	10.8	11.2	13.1	12.9	10.8	9.0	9.0	9.2
30°	6.0	5.8	5.8	6.0	6.2	6.5	6.0	5.8	5.8	6.0	5.8
32.5°	3.7	3.7	3.7	3.4	3.4	3.2	3.2	3.7	3.7	3.7	3.7
35°	2.2	2.2	2.2	2.2	1.9	1.9	1.9	2.2	2.2	1.9	1.9
37.5°	1.3	1.3	1.3	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.1
40°	0.9	0.9	0.6	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.6
42.5°	0.6	0.6	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.4
45°	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
47.5°	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)