

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: P1312611

Luminaire Tested: LDSQA3D13R509050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

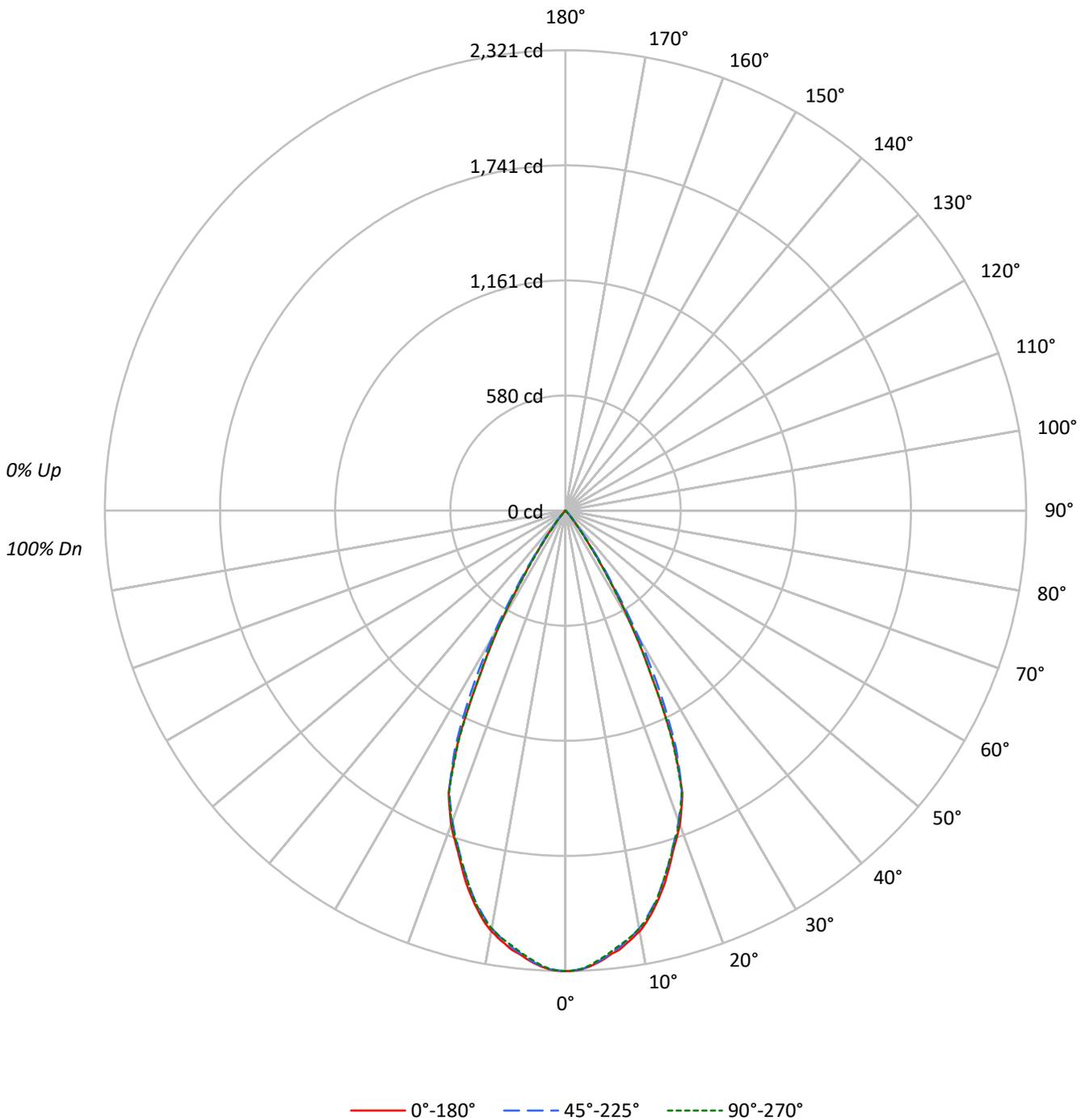
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1496.0 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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

TEST NUMBER: P1312611
CATALOG NUMBER: LDSQA3D13R509050DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312611

CATALOG NUMBER: LDSQA3D13R509050DE010 3LSQCDR1MW

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	399798	399798	399798
5°	391955	391229	390122
10°	376620	374015	374207
15°	345738	342510	342136
20°	308874	305557	307115
25°	242759	249828	240745
30°	129879	145510	130297
35°	42427	49555	39968
40°	10499	13130	10027
45°	1291	4652	1291
50°	857	1420	857
55°	961	961	961
60°	723	723	723
65°	856	856	856
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4652 cd/sqm



TEST NUMBER: P1312611

CATALOG NUMBER: LDSQA3D13R509050DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.3	14.2
10°-20°	536.9	35.9
20°-30°	564.7	37.7
30°-40°	162.7	10.9
40°-50°	13.2	0.9
50°-60°	2.9	0.2
60°-70°	2.0	0.1
70°-80°	1.2	0.1
80°-90°	0.3	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°	1313.8	87.8
0°-40°	1476.5	98.7
0°-60°	1492.6	99.8
0°-90°	1496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2321	2321	2321	2321	2321	
5°	2267	2266	2263	2265	2257	213
15°	1939	1926	1921	1921	1919	540
25°	1278	1309	1315	1300	1267	554
35°	202	209	236	202	190	156
45°	5	11	19	11	5	10
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1312611
 CATALOG NUMBER: LDSQA3D13R509050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2321.4	2321.4	2321.4	2321.4	2321.4
1°	2320.3	2322.4	2318.2	2325.6	2319.3
2°	2315.0	2316.1	2313.9	2319.3	2310.8
3°	2302.3	2304.4	2300.1	2304.4	2297.0
4°	2287.4	2287.4	2283.2	2286.3	2276.8
5°	2267.2	2266.2	2263.0	2265.1	2256.6
6°	2246.0	2244.9	2239.6	2239.6	2233.2
7°	2230.1	2222.6	2218.4	2217.3	2210.9
8°	2204.6	2202.4	2193.9	2193.9	2189.7
9°	2179.1	2177.0	2167.4	2169.5	2166.3
10°	2153.6	2146.2	2138.7	2139.8	2139.8
11°	2119.6	2113.2	2102.6	2106.9	2109.0
12°	2079.3	2071.8	2062.3	2070.8	2069.7
13°	2034.7	2028.3	2020.9	2027.2	2025.1
14°	1987.9	1978.4	1972.0	1976.3	1974.1
15°	1939.1	1926.3	1921.0	1921.0	1918.9
17.5°	1802.1	1794.7	1789.4	1786.2	1793.6
20°	1685.3	1678.9	1667.2	1670.4	1675.7
22.5°	1538.7	1537.7	1531.3	1526.0	1532.4
25°	1277.5	1309.4	1314.7	1299.8	1266.9
27.5°	928.1	1002.5	1029.0	994.0	933.4
30°	653.1	688.1	731.7	662.6	655.2
32.5°	394.0	403.5	443.9	396.1	385.5
35°	201.8	209.2	235.7	201.8	190.1
37.5°	94.5	98.8	109.4	94.5	88.1
40°	46.7	52.0	58.4	48.8	44.6
42.5°	20.2	26.5	34.0	25.5	18.1
45°	5.3	10.6	19.1	10.6	5.3
47.5°	3.2	4.2	10.6	4.2	3.2
50°	3.2	3.2	5.3	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	2.1	3.2	2.1	3.2	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
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°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	0.0	1.1	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: P1312611
CATALOG NUMBER: LDSQA3D13R509050DE010 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)