

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: P1311534

Luminaire Tested: LDSQA3D13R509040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311534
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: LDSQA3D13R509040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

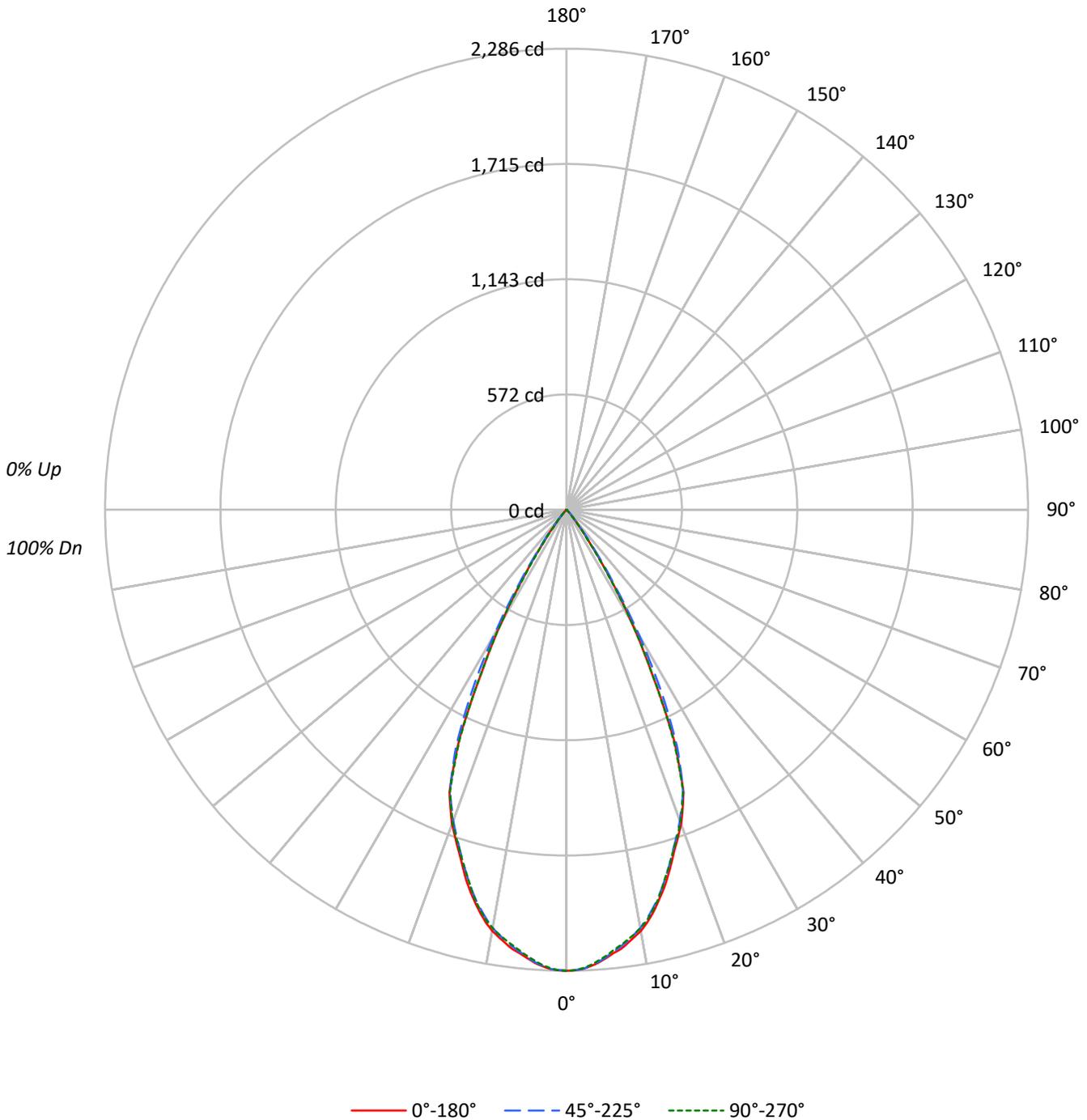
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1472.9 lumens
Efficiency: N/A
Efficacy: 100.9 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: P1311534
CATALOG NUMBER: LDSQA3D13R509040DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1311534

CATALOG NUMBER: LDSQA3D13R509040DE010 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	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	80	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	71	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°	393649	393649	393649
5°	385938	385212	384123
10°	370832	368261	368454
15°	340424	337251	336876
20°	304127	300865	302405
25°	239035	245990	237039
30°	127871	143263	128288
35°	41776	48798	39358
40°	10342	12927	9870
45°	1267	4579	1267
50°	831	1393	831
55°	931	931	931
60°	723	723	723
65°	856	856	856
70°	504	504	504
75°	665	665	665
80°	992	992	992
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4579 cd/sqm



TEST NUMBER: P1311534

CATALOG NUMBER: LDSQA3D13R509040DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	14.2
10°-20°	528.6	35.9
20°-30°	556.0	37.7
30°-40°	160.2	10.9
40°-50°	13.0	0.9
50°-60°	2.8	0.2
60°-70°	2.0	0.1
70°-80°	1.1	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°	1293.6	87.8
0°-40°	1453.8	98.7
0°-60°	1469.6	99.8
0°-90°	1472.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1472.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2286	2286	2286	2286	2286	
5°	2232	2231	2228	2230	2222	210
15°	1909	1897	1892	1892	1889	532
25°	1258	1289	1294	1280	1247	545
35°	199	206	232	199	187	154
45°	5	10	19	10	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: P1311534

CATALOG NUMBER: LDSQA3D13R509040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2285.7	2285.7	2285.7	2285.7	2285.7
1°	2284.6	2286.7	2282.6	2289.9	2283.6
2°	2279.4	2280.5	2278.4	2283.6	2275.2
3°	2266.9	2269.0	2264.8	2269.0	2261.6
4°	2252.2	2252.2	2248.1	2251.2	2241.8
5°	2232.4	2231.3	2228.2	2230.3	2221.9
6°	2211.5	2210.4	2205.2	2205.2	2198.9
7°	2195.8	2188.5	2184.3	2183.2	2176.9
8°	2170.7	2168.6	2160.2	2160.2	2156.0
9°	2145.6	2143.5	2134.1	2136.2	2133.0
10°	2120.5	2113.2	2105.8	2106.9	2106.9
11°	2087.0	2080.8	2070.3	2074.5	2076.6
12°	2047.3	2040.0	2030.6	2038.9	2037.9
13°	2003.4	1997.1	1989.8	1996.1	1994.0
14°	1957.4	1948.0	1941.7	1945.9	1943.8
15°	1909.3	1896.7	1891.5	1891.5	1889.4
17.5°	1774.4	1767.1	1761.8	1758.7	1766.0
20°	1659.4	1653.1	1641.6	1644.7	1650.0
22.5°	1515.1	1514.0	1507.8	1502.5	1508.8
25°	1257.9	1289.2	1294.5	1279.8	1247.4
27.5°	913.9	987.1	1013.2	978.7	919.1
30°	643.0	677.6	720.4	652.5	645.1
32.5°	387.9	397.3	437.1	390.0	379.6
35°	198.7	206.0	232.1	198.7	187.2
37.5°	93.1	97.2	107.7	93.1	86.8
40°	46.0	51.2	57.5	48.1	43.9
42.5°	19.9	26.1	33.5	25.1	17.8
45°	5.2	10.5	18.8	10.5	5.2
47.5°	3.1	4.2	10.5	4.2	3.1
50°	3.1	3.1	5.2	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	2.1	3.1	2.1	3.1	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°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	0.0	1.0	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: P1311534
CATALOG NUMBER: LDSQA3D13R509040DE010 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)