

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: P1316645

Luminaire Tested: LDSQA3D13R509740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316645
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: LDSQA3D13R509740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

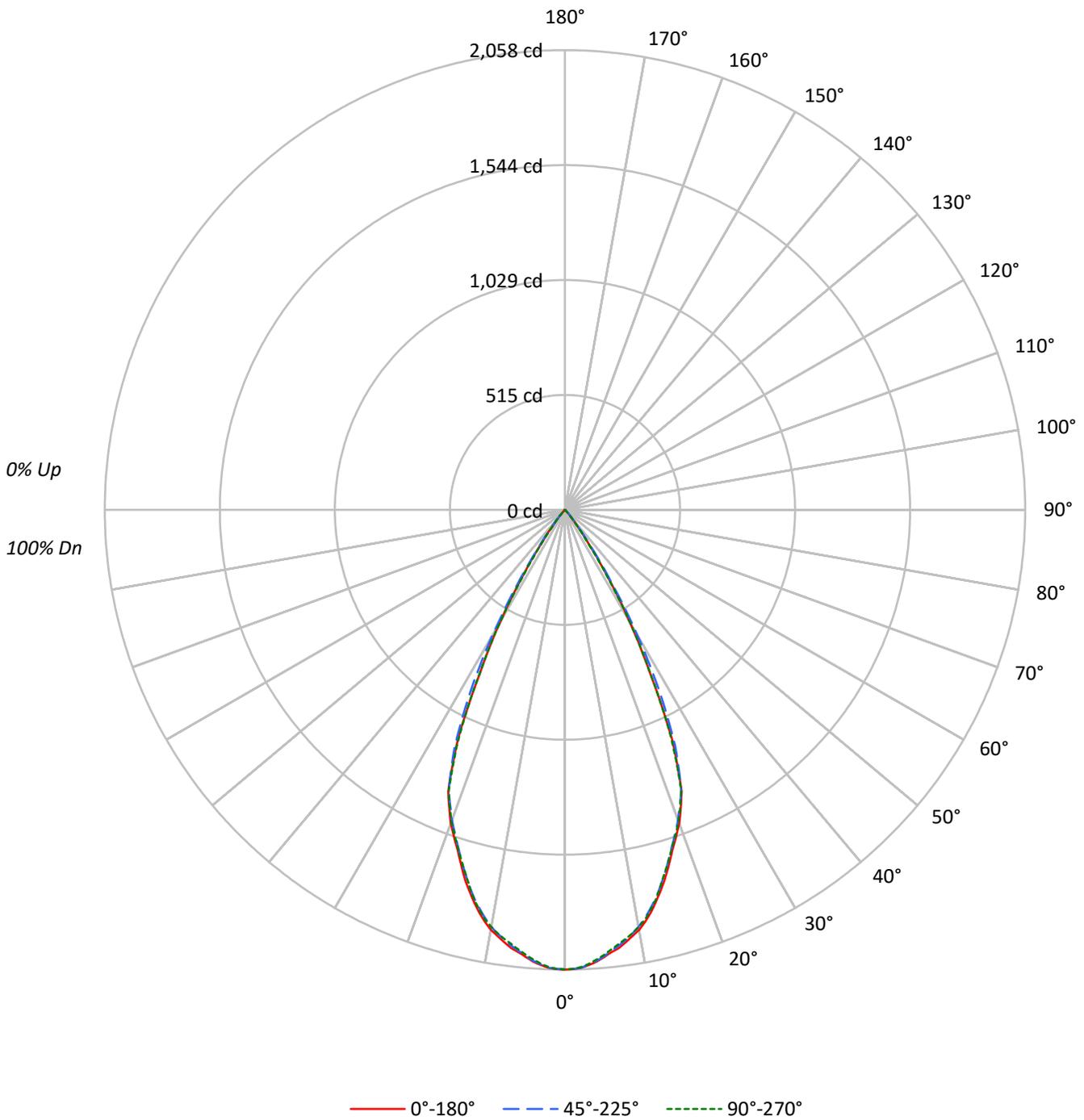
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1325.9 lumens
Efficiency: N/A
Efficacy: 90.8 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: P1316645
CATALOG NUMBER: LDSQA3D13R509740DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316645

CATALOG NUMBER: LDSQA3D13R509740DE010 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	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°	354365	354365	354365
5°	347421	346764	345796
10°	333827	331519	331676
15°	306441	303588	303267
20°	273777	270845	272219
25°	215167	221438	213381
30°	115123	128964	115501
35°	37592	43941	35426
40°	9308	11646	8880
45°	1145	4116	1145
50°	750	1259	750
55°	841	841	841
60°	654	654	654
65°	774	774	774
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4116 cd/sqm



TEST NUMBER: P1316645
 CATALOG NUMBER: LDSQA3D13R509740DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.1	14.2
10°-20°	475.8	35.9
20°-30°	500.5	37.7
30°-40°	144.2	10.9
40°-50°	11.7	0.9
50°-60°	2.5	0.2
60°-70°	1.8	0.1
70°-80°	1.0	0.1
80°-90°	0.2	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°	1164.5	87.8
0°-40°	1308.7	98.7
0°-60°	1322.9	99.8
0°-90°	1325.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2010	2009	2006	2008	2000	189
15°	1719	1707	1703	1703	1701	479
25°	1132	1161	1165	1152	1123	491
35°	179	185	209	179	168	138
45°	5	9	17	9	5	9
55°	3	3	3	3	3	2
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: P1316645

CATALOG NUMBER: LDSQA3D13R509740DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2057.6	2057.6	2057.6	2057.6	2057.6
1°	2056.6	2058.5	2054.8	2061.4	2055.7
2°	2051.9	2052.9	2051.0	2055.7	2048.2
3°	2040.6	2042.5	2038.8	2042.5	2035.9
4°	2027.5	2027.5	2023.7	2026.5	2018.1
5°	2009.6	2008.6	2005.8	2007.7	2000.2
6°	1990.8	1989.8	1985.1	1985.1	1979.5
7°	1976.6	1970.1	1966.3	1965.3	1959.7
8°	1954.0	1952.2	1944.6	1944.6	1940.9
9°	1931.5	1929.6	1921.1	1923.0	1920.2
10°	1908.9	1902.3	1895.7	1896.6	1896.6
11°	1878.7	1873.1	1863.7	1867.5	1869.3
12°	1843.0	1836.4	1827.9	1835.5	1834.5
13°	1803.4	1797.8	1791.2	1796.9	1795.0
14°	1762.0	1753.6	1747.9	1751.7	1749.8
15°	1718.7	1707.4	1702.7	1702.7	1700.9
17.5°	1597.3	1590.7	1586.0	1583.2	1589.8
20°	1493.8	1488.1	1477.8	1480.6	1485.3
22.5°	1363.9	1362.9	1357.3	1352.6	1358.2
25°	1132.3	1160.6	1165.3	1152.1	1122.9
27.5°	822.7	888.5	912.1	881.0	827.4
30°	578.9	609.9	648.5	587.3	580.8
32.5°	349.2	357.7	393.4	351.1	341.7
35°	178.8	185.4	209.0	178.8	168.5
37.5°	83.8	87.5	96.9	83.8	78.1
40°	41.4	46.1	51.8	43.3	39.5
42.5°	17.9	23.5	30.1	22.6	16.0
45°	4.7	9.4	16.9	9.4	4.7
47.5°	2.8	3.8	9.4	3.8	2.8
50°	2.8	2.8	4.7	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	1.9	2.8	1.9	2.8	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.9	0.0	0.9	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: P1316645
CATALOG NUMBER: LDSQA3D13R509740DE010 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)