

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: P1316599

Luminaire Tested: LDSQA3D13R309740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

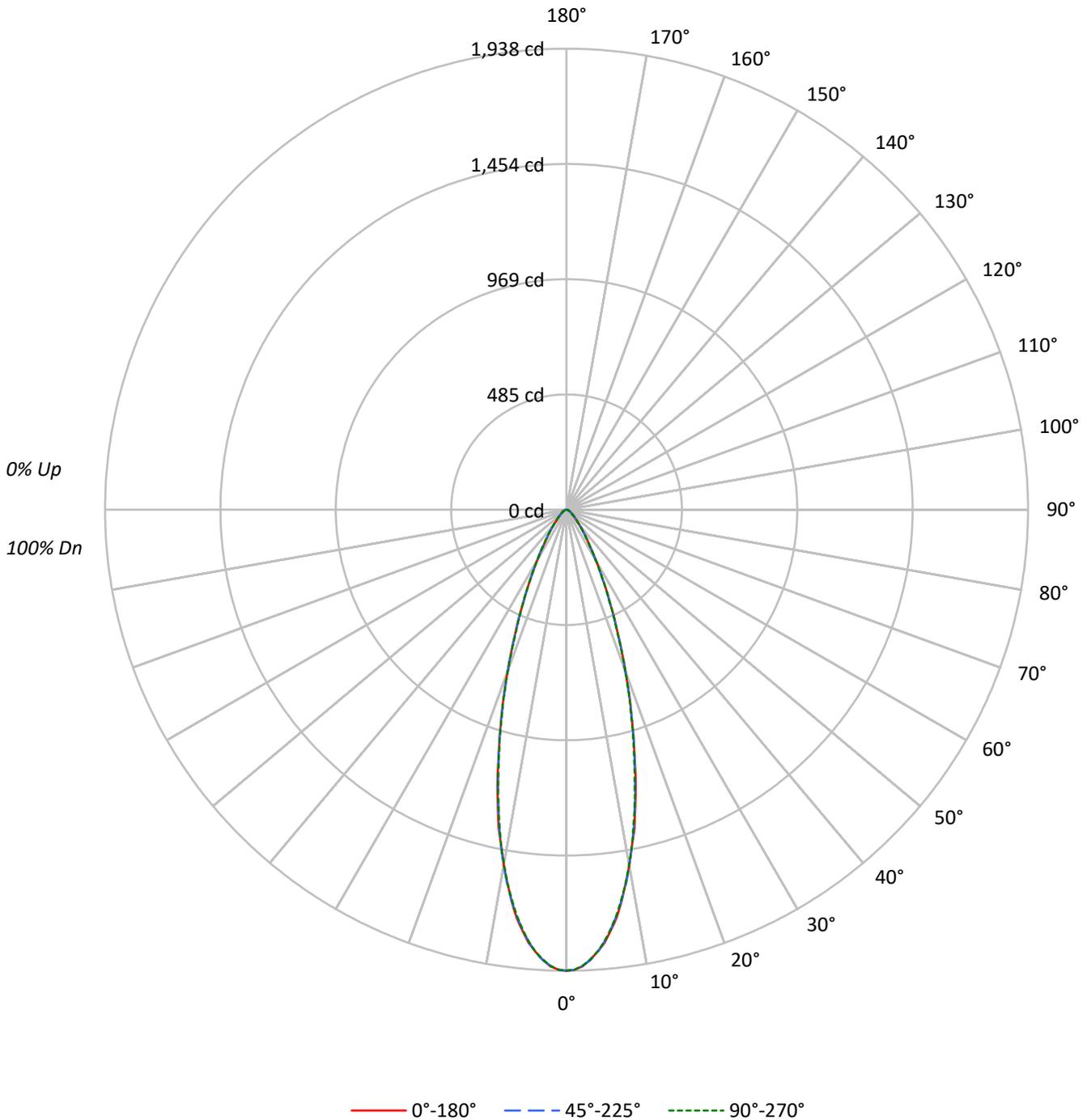
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 851.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
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 (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: P1316599
CATALOG NUMBER: LDSQA3D13R309740DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316599

CATALOG NUMBER: LDSQA3D13R309740DE010 3LSQPHRL1MW

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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	333716	333716	333716
5°	315956	315144	314971
10°	265432	265432	264435
15°	197768	197251	196074
20°	132362	131665	131848
25°	81597	81407	81768
30°	49060	49060	49239
35°	30086	30086	30296
40°	19042	19042	19469
45°	13079	13298	13298
50°	9592	9592	9592
55°	7356	7627	7627
60°	6166	6166	6476
65°	5379	5379	5379
70°	4733	5237	5237
75°	4392	4392	4392
80°	3769	3769	3769
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 13298 cd/sqm



TEST NUMBER: P1316599

CATALOG NUMBER: LDSQA3D13R309740DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.3	19.3
10°-20°	303.3	35.6
20°-30°	201.6	23.7
30°-40°	93.2	11.0
40°-50°	43.3	5.1
50°-60°	23.1	2.7
60°-70°	13.5	1.6
70°-80°	7.2	0.8
80°-90°	1.5	0.2
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°	669.2	78.6
0°-40°	762.4	89.6
0°-60°	828.8	97.4
0°-90°	851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1938	1938	1938	1938	1938	
5°	1828	1824	1823	1828	1822	164
15°	1109	1113	1106	1106	1100	304
25°	429	428	428	428	430	202
35°	143	142	143	144	144	93
45°	54	54	55	55	55	43
55°	24	25	25	25	25	23
65°	13	13	13	13	13	13
75°	7	7	7	7	7	7
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



TEST NUMBER: P1316599

CATALOG NUMBER: LDSQA3D13R309740DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1937.7	1937.7	1937.7	1937.7	1937.7
1°	1934.0	1932.1	1934.0	1936.8	1933.0
2°	1920.8	1918.9	1918.9	1922.7	1918.9
3°	1895.4	1897.2	1896.3	1900.1	1893.5
4°	1863.3	1862.4	1866.2	1868.1	1862.4
5°	1827.6	1823.8	1822.9	1827.6	1821.9
6°	1778.6	1775.8	1773.9	1779.5	1772.0
7°	1725.9	1724.0	1721.2	1723.1	1717.4
8°	1660.9	1660.0	1658.1	1660.0	1653.4
9°	1588.4	1588.4	1592.2	1591.2	1587.5
10°	1517.8	1519.7	1517.8	1519.7	1512.1
11°	1438.7	1438.7	1440.6	1439.6	1440.6
12°	1370.0	1362.4	1360.6	1358.7	1353.0
13°	1281.5	1275.8	1273.9	1275.8	1273.0
14°	1200.5	1196.7	1187.3	1189.2	1185.4
15°	1109.2	1112.9	1106.3	1106.3	1099.7
17.5°	906.7	903.0	904.8	905.8	903.0
20°	722.2	720.3	718.4	716.5	719.4
22.5°	561.2	562.1	560.2	558.3	556.5
25°	429.4	428.4	428.4	428.4	430.3
27.5°	325.8	325.8	325.8	326.7	326.7
30°	246.7	244.8	246.7	247.6	247.6
32.5°	184.5	186.4	187.4	187.4	187.4
35°	143.1	142.2	143.1	144.1	144.1
37.5°	109.2	109.2	110.2	110.2	111.1
40°	84.7	84.7	84.7	85.7	86.6
42.5°	66.9	66.9	67.8	67.8	68.7
45°	53.7	53.7	54.6	54.6	54.6
47.5°	43.3	43.3	44.3	44.3	44.3
50°	35.8	35.8	35.8	35.8	35.8
52.5°	30.1	29.2	30.1	30.1	30.1
55°	24.5	25.4	25.4	25.4	25.4
57.5°	20.7	21.7	21.7	21.7	21.7
60°	17.9	17.9	17.9	18.8	18.8
62.5°	15.1	16.0	16.0	16.0	16.0
65°	13.2	13.2	13.2	13.2	13.2
67.5°	11.3	11.3	11.3	11.3	12.2
70°	9.4	9.4	10.4	10.4	10.4
72.5°	8.5	8.5	8.5	8.5	8.5
75°	6.6	6.6	6.6	6.6	6.6
77.5°	4.7	4.7	5.6	5.6	4.7
80°	3.8	3.8	3.8	3.8	3.8
82.5°	2.8	2.8	2.8	2.8	2.8
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316599
CATALOG NUMBER: LDSQA3D13R309740DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)