

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: P1308180

Luminaire Tested: LDSQA3D13R509027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308180
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: LDSQA3D13R509027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

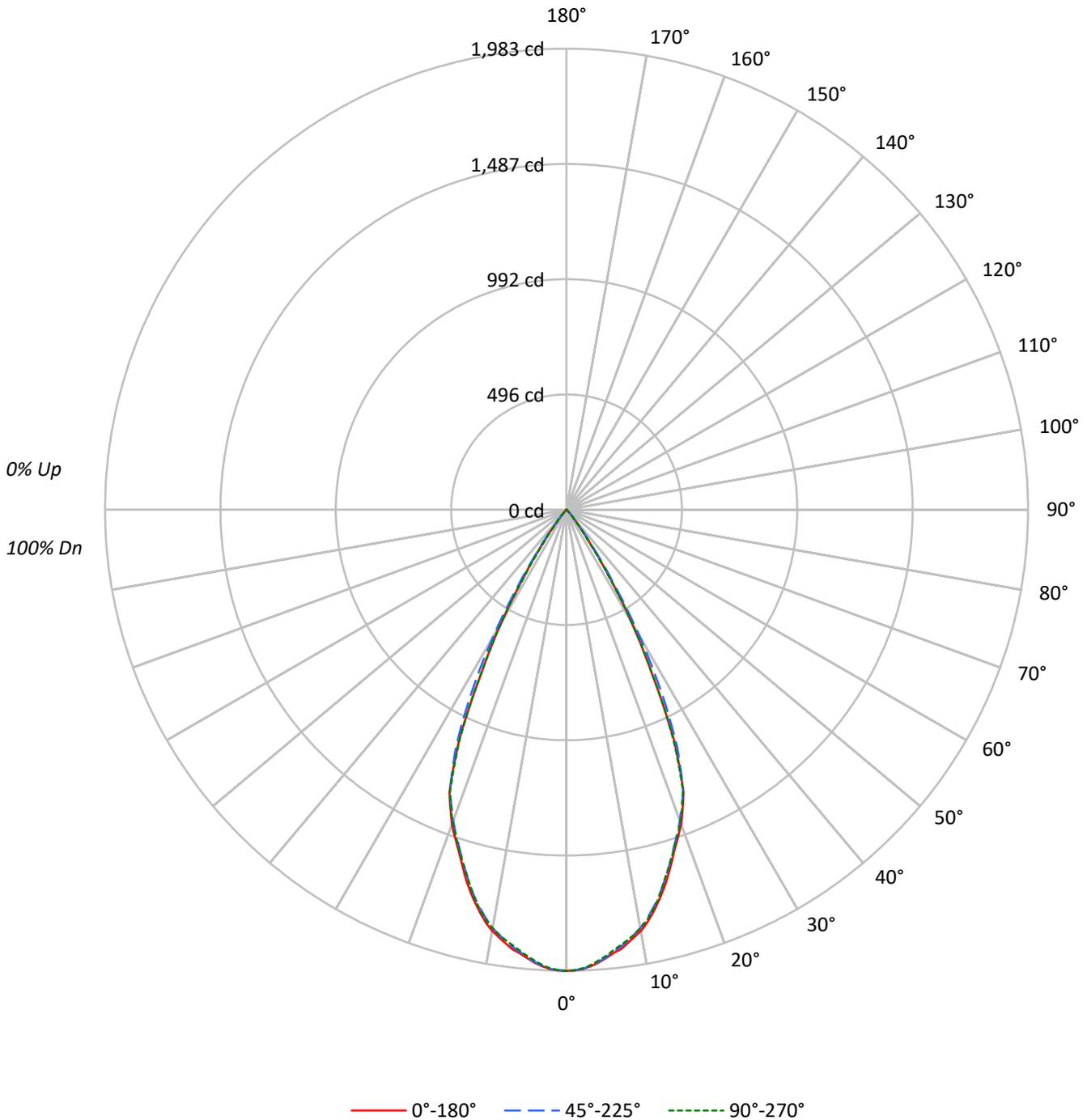
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1278.0 lumens
Efficiency: N/A
Efficacy: 87.5 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

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Luminous Intensity Polar Plot





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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°	341535	341535	341535
5°	334835	334213	333279
10°	321743	319522	319680
15°	295351	292605	292284
20°	263862	261039	262359
25°	207376	213419	205666
30°	110947	124311	111305
35°	36246	42343	34144
40°	8970	11219	8566
45°	1096	3970	1096
50°	723	1206	723
55°	811	811	811
60°	620	620	620
65°	734	734	734
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: 3970 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	14.2
10°-20°	458.6	35.9
20°-30°	482.4	37.7
30°-40°	139.0	10.9
40°-50°	11.3	0.9
50°-60°	2.4	0.2
60°-70°	1.7	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°	1122.3	87.8
0°-40°	1261.3	98.7
0°-60°	1275.0	99.8
0°-90°	1278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1983	1983	1983	1983	1983	
5°	1937	1936	1933	1935	1928	182
15°	1656	1646	1641	1641	1639	461
25°	1091	1119	1123	1110	1082	473
35°	172	179	201	172	162	133
45°	4	9	16	9	4	8
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1983.1	1983.1	1983.1	1983.1	1983.1
1°	1982.2	1984.0	1980.4	1986.7	1981.3
2°	1977.7	1978.6	1976.8	1981.3	1974.0
3°	1966.8	1968.6	1965.0	1968.6	1962.2
4°	1954.1	1954.1	1950.4	1953.2	1945.0
5°	1936.8	1935.9	1933.2	1935.0	1927.8
6°	1918.7	1917.8	1913.3	1913.3	1907.8
7°	1905.1	1898.7	1895.1	1894.2	1888.8
8°	1883.3	1881.5	1874.2	1874.2	1870.6
9°	1861.5	1859.7	1851.6	1853.4	1850.7
10°	1839.8	1833.4	1827.1	1828.0	1828.0
11°	1810.7	1805.3	1796.2	1799.9	1801.7
12°	1776.3	1769.9	1761.8	1769.0	1768.1
13°	1738.2	1732.7	1726.4	1731.8	1730.0
14°	1698.2	1690.1	1684.6	1688.3	1686.5
15°	1656.5	1645.6	1641.1	1641.1	1639.3
17.5°	1539.5	1533.1	1528.6	1525.9	1532.2
20°	1439.7	1434.3	1424.3	1427.0	1431.5
22.5°	1314.5	1313.6	1308.2	1303.6	1309.1
25°	1091.3	1118.6	1123.1	1110.4	1082.3
27.5°	792.9	856.4	879.1	849.1	797.4
30°	557.9	587.9	625.1	566.1	559.7
32.5°	336.6	344.7	379.2	338.4	329.3
35°	172.4	178.7	201.4	172.4	162.4
37.5°	80.7	84.4	93.4	80.7	75.3
40°	39.9	44.5	49.9	41.7	38.1
42.5°	17.2	22.7	29.0	21.8	15.4
45°	4.5	9.1	16.3	9.1	4.5
47.5°	2.7	3.6	9.1	3.6	2.7
50°	2.7	2.7	4.5	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	1.8	2.7	1.8	2.7	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)