

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: P1316809

Luminaire Tested: LDSQA3D17R609740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

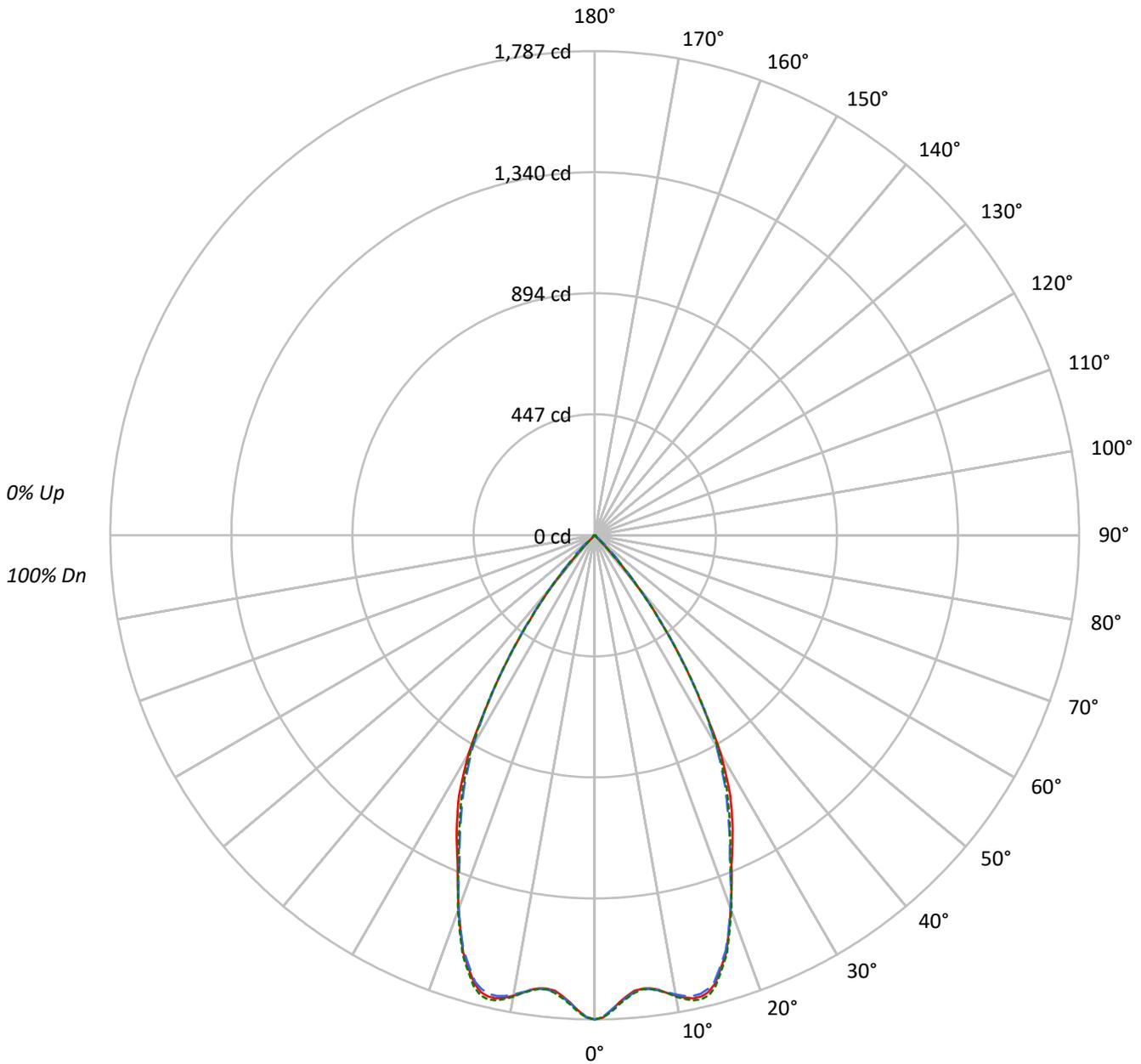
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1593.9 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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



— 0°-180° - - 45°-225° - · - · 90°-270°



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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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	307779	307779	307779
5°	291701	292566	292998
10°	301842	300968	302489
15°	305514	304176	307297
20°	269012	268792	270166
25°	228925	222293	224193
30°	184766	178323	181286
35°	116938	117990	116686
40°	54676	56925	55508
45°	3337	20045	3946
50°	1661	4689	1661
55°	1862	1862	1862
60°	1722	1722	1722
65°	1508	2038	1508
70°	1863	1863	1863
75°	1664	1664	1664
80°	1190	1190	1190
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 20045 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	10.2
10°-20°	469.1	29.4
20°-30°	540.8	33.9
30°-40°	347.2	21.8
40°-50°	60.4	3.8
50°-60°	5.7	0.4
60°-70°	4.4	0.3
70°-80°	2.6	0.2
80°-90°	0.8	0.1
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°	1172.7	73.6
0°-40°	1520.0	95.4
0°-60°	1586.1	99.5
0°-90°	1593.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1593.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1787	1787	1787	1787	1787	
5°	1687	1691	1692	1696	1695	163
15°	1714	1707	1706	1717	1724	470
25°	1205	1191	1170	1171	1180	549
35°	556	552	561	550	555	347
45°	14	41	82	49	16	45
55°	6	6	6	6	6	5
65°	4	5	5	5	4	4
75°	2	2	2	2	2	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1787.1	1787.1	1787.1	1787.1	1787.1
1°	1779.6	1778.4	1777.1	1778.4	1779.6
2°	1754.7	1753.4	1752.2	1757.2	1759.7
3°	1727.2	1728.5	1729.7	1732.2	1733.5
4°	1704.8	1707.3	1708.5	1711.0	1712.3
5°	1687.3	1691.1	1692.3	1696.1	1694.8
6°	1682.3	1684.8	1686.1	1687.3	1684.8
7°	1684.8	1686.1	1687.3	1689.8	1687.3
8°	1693.6	1694.8	1696.1	1697.3	1697.3
9°	1711.0	1708.5	1707.3	1712.3	1711.0
10°	1726.0	1722.3	1721.0	1728.5	1729.7
11°	1738.5	1733.5	1732.2	1741.0	1743.5
12°	1747.2	1739.7	1738.5	1749.7	1754.7
13°	1747.2	1737.2	1737.2	1749.7	1757.2
14°	1737.2	1726.0	1726.0	1739.7	1748.4
15°	1713.5	1707.3	1706.0	1717.3	1723.5
17.5°	1613.8	1606.3	1607.5	1620.0	1621.2
20°	1467.8	1464.1	1466.6	1469.1	1474.1
22.5°	1319.4	1316.9	1303.2	1307.0	1309.5
25°	1204.7	1191.0	1169.8	1171.0	1179.8
27.5°	1083.7	1070.0	1040.1	1046.3	1055.1
30°	929.1	917.9	896.7	900.4	911.6
32.5°	729.6	752.0	732.1	738.3	734.5
35°	556.2	552.5	561.2	550.0	555.0
37.5°	391.6	392.8	396.6	386.6	386.6
40°	243.2	249.4	253.2	248.2	246.9
42.5°	102.3	139.7	147.2	139.7	103.5
45°	13.7	41.2	82.3	48.6	16.2
47.5°	6.2	8.7	43.6	8.7	6.2
50°	6.2	6.2	17.5	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	5.0	5.0	5.0	5.0	5.0
62.5°	5.0	5.0	5.0	5.0	5.0
65°	3.7	5.0	5.0	5.0	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.7	3.7	3.7	3.7	3.7
72.5°	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)