

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: P1316977

Luminaire Tested: LDSQA3D20R709740D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709740D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

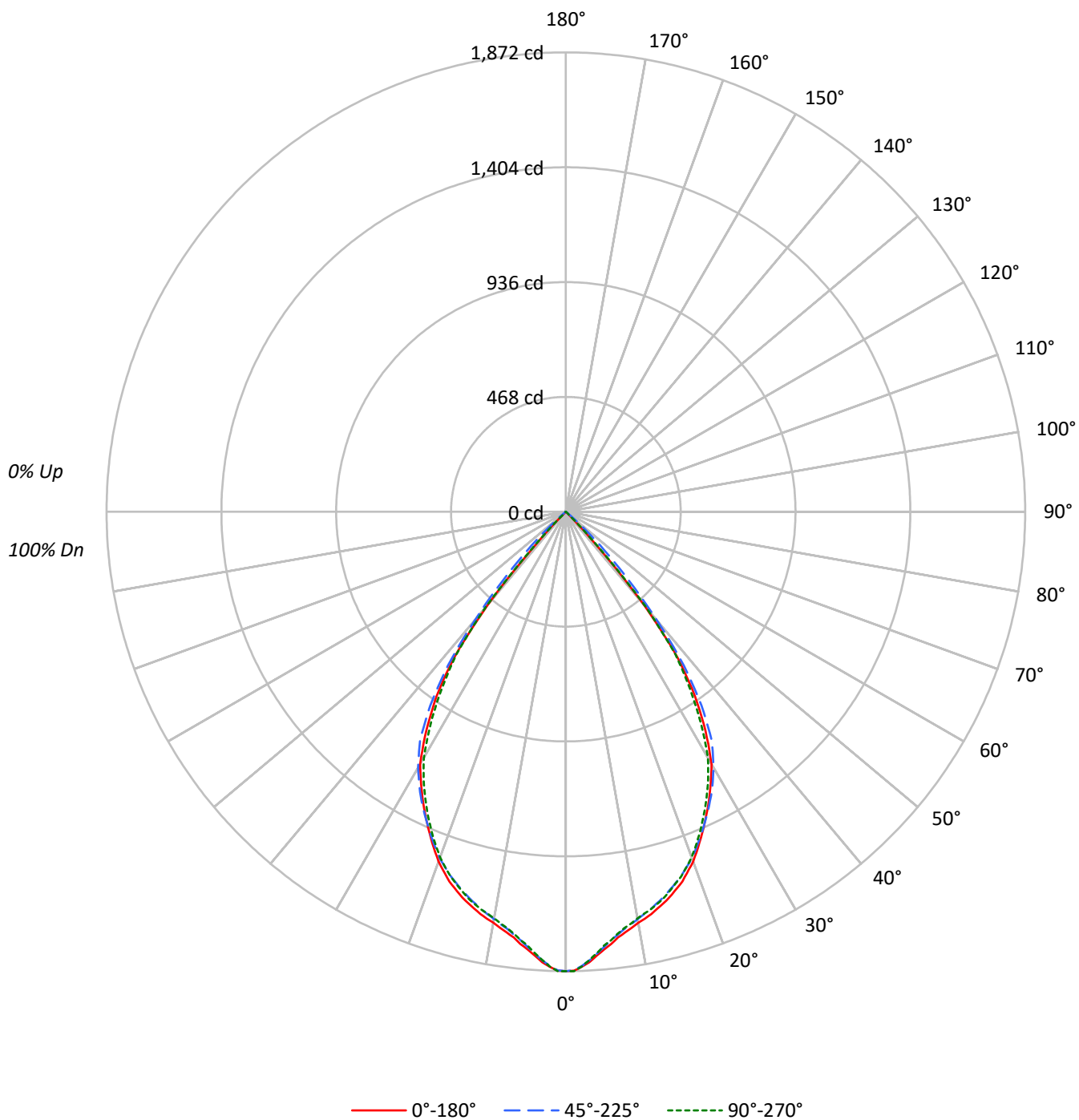
Lumens per Lamp: N/A
Luminaire Lumens: 1937.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	322452	322452	322452
5°	309525	307814	306967
10°	297348	294759	294200
15°	290305	286222	286810
20°	277992	275298	274693
25°	258037	258664	254617
30°	236173	239434	230306
35°	193194	202508	185625
40°	111219	129632	114164
45°	1607	53851	5578
50°	0	5707	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 53851 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	8.6
10°-20°	452.6	23.4
20°-30°	621.8	32.1
30°-40°	563.8	29.1
40°-50°	131.0	6.8
50°-60°	0.7	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1241.5	64.1
0°-40°	1805.3	93.2
0°-60°	1937.0	100.0
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1790	1786	1780	1777	1776	168
15°	1628	1617	1605	1605	1609	457
25°	1358	1364	1361	1348	1340	623
35°	919	932	963	922	883	552
45°	7	74	221	95	23	79
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1872.3	1872.3	1872.3	1872.3	1872.3
1°	1870.6	1867.4	1869.0	1870.6	1872.3
2°	1855.9	1852.6	1852.6	1854.3	1854.3
3°	1837.9	1831.3	1831.3	1829.7	1829.7
4°	1813.3	1808.4	1805.1	1803.5	1803.5
5°	1790.4	1785.5	1780.5	1777.3	1775.6
6°	1770.7	1762.5	1756.0	1754.3	1756.0
7°	1747.8	1742.9	1736.3	1731.4	1733.0
8°	1731.4	1724.9	1716.7	1713.4	1713.4
9°	1716.7	1710.1	1701.9	1695.4	1698.6
10°	1700.3	1693.7	1685.5	1680.6	1682.3
11°	1688.8	1680.6	1670.8	1667.5	1669.2
12°	1675.7	1665.9	1656.1	1654.4	1657.7
13°	1659.3	1649.5	1639.7	1639.7	1643.0
14°	1644.6	1633.1	1623.3	1623.3	1628.2
15°	1628.2	1616.7	1605.3	1605.3	1608.6
17.5°	1579.1	1569.2	1557.8	1557.8	1559.4
20°	1516.8	1511.9	1502.1	1497.2	1498.8
22.5°	1438.2	1438.2	1433.3	1425.1	1421.8
25°	1357.9	1364.5	1361.2	1348.1	1339.9
27.5°	1274.4	1285.9	1287.5	1267.8	1253.1
30°	1187.6	1197.4	1204.0	1181.0	1158.1
32.5°	1059.8	1089.3	1105.7	1074.6	1027.1
35°	918.9	932.0	963.2	922.2	882.9
37.5°	746.9	763.3	789.5	756.8	733.8
40°	494.7	560.2	576.6	560.2	507.8
42.5°	178.5	314.5	378.4	321.1	209.7
45°	6.6	73.7	221.1	95.0	22.9
47.5°	0.0	1.6	99.9	3.3	0.0
50°	0.0	0.0	21.3	0.0	0.0
52.5°	0.0	0.0	1.6	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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



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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)