

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: P1312279

Luminaire Tested: LDSQA3D05R409050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

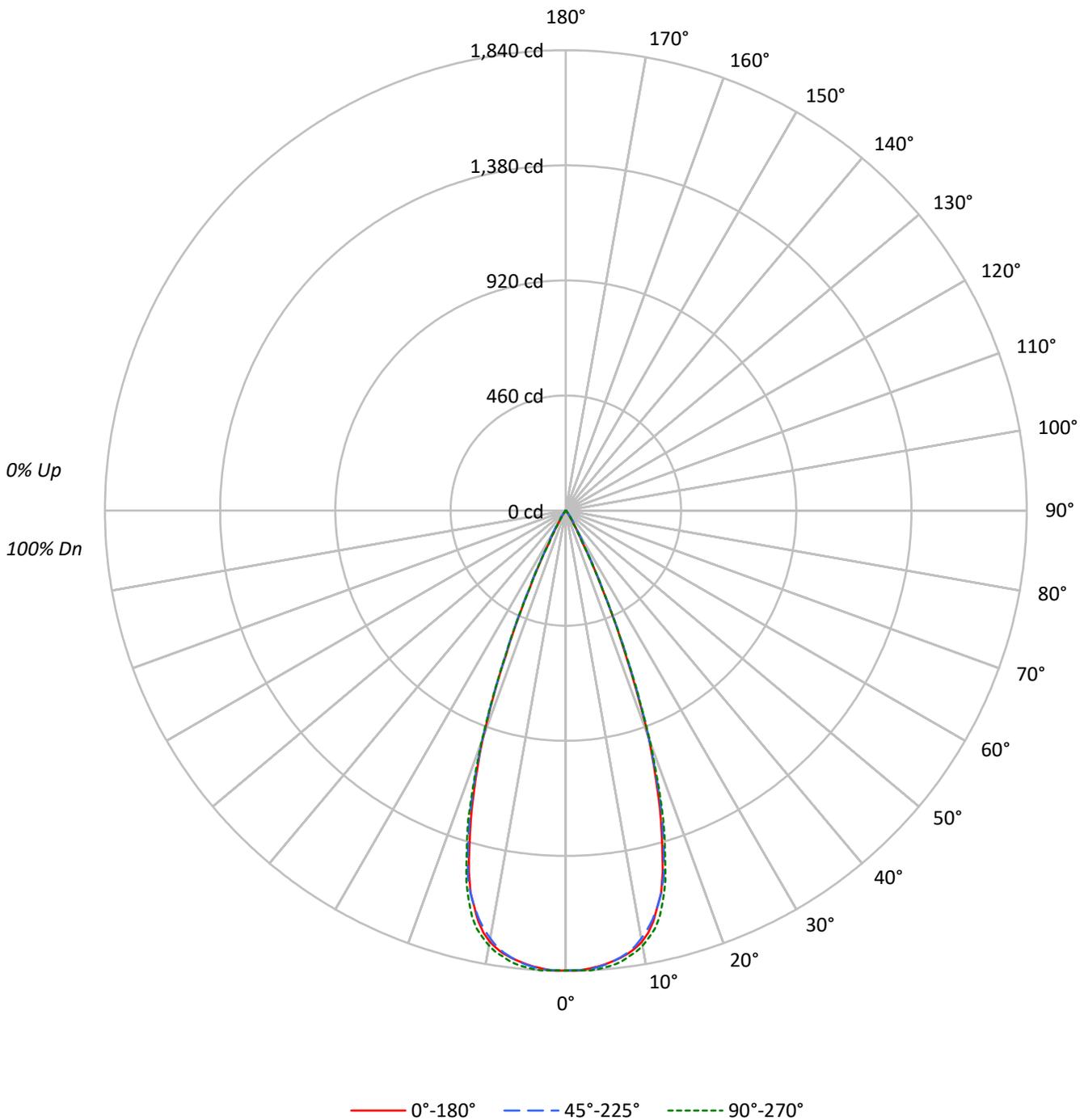
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 777.9 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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





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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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	72	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	316597	316597	316597
5°	314487	314954	316665
10°	305969	303678	308750
15°	266591	269319	273527
20°	177576	178474	180178
25°	64552	66528	64875
30°	13702	18395	13702
35°	4836	8158	4604
40°	1731	2585	1731
45°	390	1072	390
50°	295	429	295
55°	330	330	330
60°	379	379	379
65°	204	448	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1072 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	22.1
10°-20°	400.3	51.5
20°-30°	180.1	23.2
30°-40°	20.5	2.6
40°-50°	2.9	0.4
50°-60°	1.0	0.1
60°-70°	0.8	0.1
70°-80°	0.5	0.1
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°	752.2	96.7
0°-40°	772.7	99.3
0°-60°	776.6	99.8
0°-90°	777.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1838	1838	1838	1838	1838	
5°	1819	1817	1822	1830	1832	172
15°	1495	1499	1510	1523	1534	397
25°	340	342	350	350	341	176
35°	23	26	39	25	22	17
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
75°	0	0	0	0	0	0
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°	1838.3	1838.3	1838.3	1838.3	1838.3
1°	1839.3	1837.7	1837.2	1840.4	1837.7
2°	1837.7	1836.6	1837.2	1840.4	1838.3
3°	1832.8	1833.3	1835.0	1841.0	1840.4
4°	1826.8	1826.2	1829.5	1837.2	1837.2
5°	1819.1	1816.9	1821.8	1830.0	1831.7
6°	1810.4	1807.6	1811.4	1821.8	1825.7
7°	1800.5	1795.0	1798.3	1810.9	1815.8
8°	1787.4	1780.3	1784.1	1796.7	1800.5
9°	1771.0	1760.0	1763.3	1778.6	1786.3
10°	1749.6	1735.9	1736.5	1753.5	1765.5
11°	1719.5	1704.2	1704.8	1726.1	1738.7
12°	1679.6	1665.9	1668.7	1688.3	1708.6
13°	1625.4	1621.6	1624.9	1646.2	1664.8
14°	1572.9	1569.1	1575.1	1594.8	1603.5
15°	1495.2	1499.1	1510.5	1522.6	1534.1
17.5°	1249.0	1263.8	1277.5	1285.7	1295.5
20°	968.9	952.0	973.8	964.0	983.1
22.5°	625.3	637.9	643.4	637.9	640.1
25°	339.7	341.9	350.1	350.1	341.4
27.5°	144.4	155.9	166.3	162.5	144.4
30°	68.9	79.3	92.5	79.9	68.9
32.5°	38.8	46.0	59.6	44.9	37.7
35°	23.0	25.7	38.8	24.6	21.9
37.5°	13.7	14.2	21.3	14.8	13.1
40°	7.7	9.3	11.5	9.3	7.7
42.5°	3.8	5.5	7.1	5.5	3.8
45°	1.6	2.7	4.4	2.7	1.6
47.5°	1.6	1.6	2.7	1.6	1.6
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.5	1.1	1.1	1.1	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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)