

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: P1316285

Luminaire Tested: LDSQA3D05R359740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

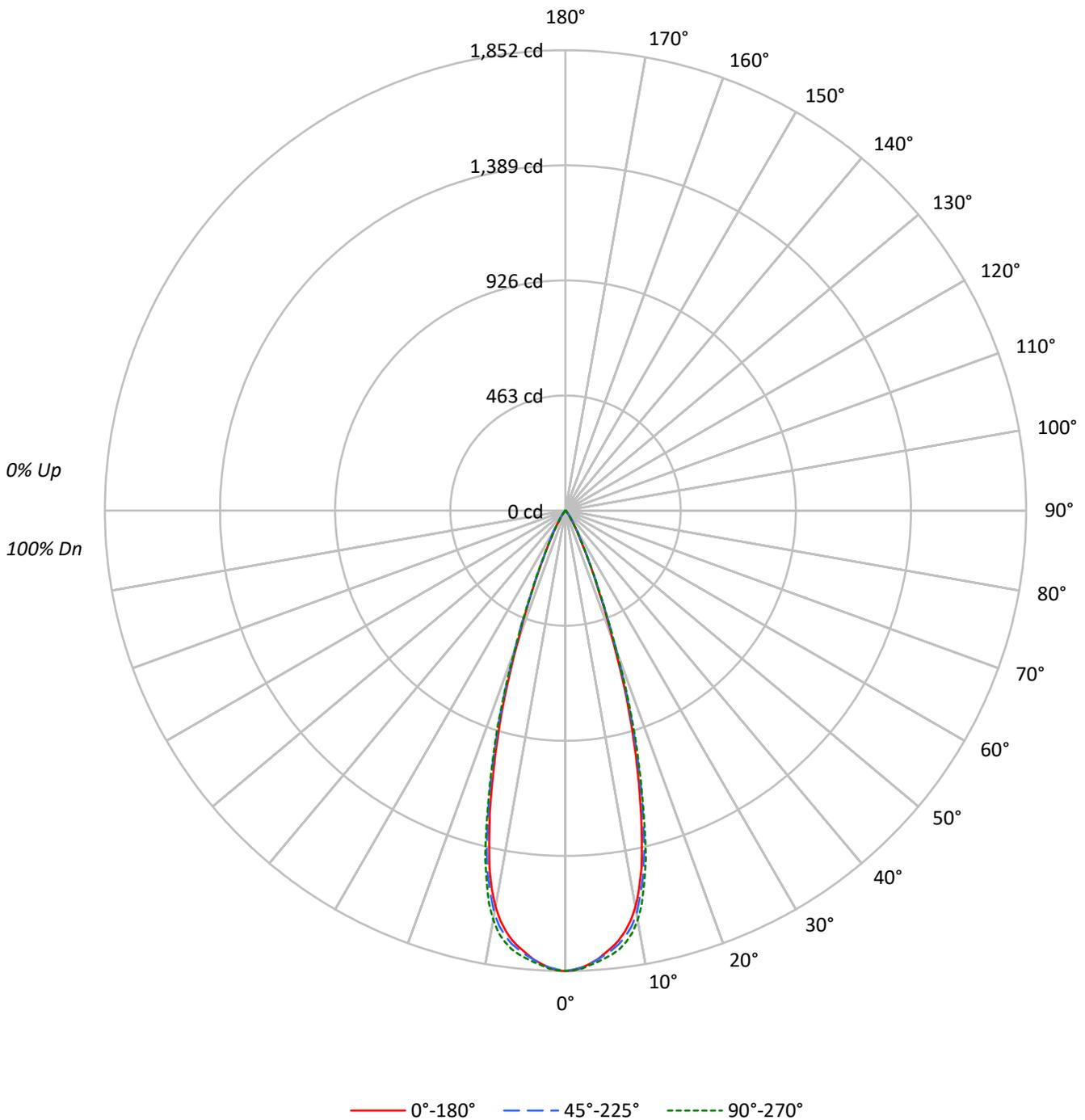
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 622.1 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	83	80	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	318905	318905	318905
5°	309473	310563	312654
10°	283077	288009	292416
15°	203206	210641	212799
20°	102213	108169	108444
25°	38746	39944	40115
30°	15730	18057	15452
35°	5719	8683	5508
40°	2406	3710	2293
45°	585	1534	585
50°	402	643	402
55°	450	450	450
60°	517	517	517
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1534 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	26.9
10°-20°	311.9	50.1
20°-30°	112.2	18.0
30°-40°	23.6	3.8
40°-50°	4.1	0.7
50°-60°	1.4	0.2
60°-70°	1.0	0.2
70°-80°	0.5	0.1
80°-90°	0.1	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°	591.5	95.1
0°-40°	615.1	98.9
0°-60°	620.5	99.7
0°-90°	622.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1852	1852	1852	1852	1852	
5°	1790	1794	1796	1808	1808	166
15°	1140	1160	1181	1194	1194	303
25°	204	207	210	212	211	108
35°	27	32	41	32	26	21
45°	2	4	6	4	2	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	1851.7	1851.7	1851.7	1851.7	1851.7
1°	1850.7	1850.7	1846.8	1851.2	1849.8
2°	1840.5	1841.5	1839.1	1844.4	1843.9
3°	1826.5	1828.9	1826.9	1834.7	1832.3
4°	1811.4	1813.4	1812.4	1822.1	1821.1
5°	1790.1	1793.5	1796.4	1808.5	1808.5
6°	1768.2	1771.6	1777.9	1791.0	1795.4
7°	1743.0	1747.3	1757.5	1775.0	1777.9
8°	1710.9	1715.8	1729.9	1748.8	1752.7
9°	1671.1	1678.4	1694.4	1717.3	1719.7
10°	1618.7	1624.5	1646.9	1665.8	1672.1
11°	1550.8	1555.6	1575.5	1606.1	1610.0
12°	1468.3	1474.1	1499.8	1519.7	1523.6
13°	1363.9	1375.1	1406.1	1425.5	1436.2
14°	1256.6	1271.7	1294.0	1321.7	1314.9
15°	1139.7	1159.6	1181.4	1194.0	1193.5
17.5°	852.8	864.5	883.9	891.1	900.9
20°	557.7	572.7	590.2	597.0	591.7
22.5°	346.1	350.0	355.3	358.2	357.2
25°	203.9	206.8	210.2	212.1	211.1
27.5°	122.8	129.6	134.4	128.6	125.2
30°	79.1	82.0	90.8	83.0	77.7
32.5°	47.1	53.9	61.2	51.9	45.1
35°	27.2	32.0	41.3	31.5	26.2
37.5°	17.5	19.9	26.7	19.4	17.0
40°	10.7	13.6	16.5	12.6	10.2
42.5°	5.3	8.3	9.7	7.3	5.3
45°	2.4	3.9	6.3	3.9	2.4
47.5°	1.5	1.9	3.9	1.9	1.5
50°	1.5	1.5	2.4	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
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°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	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)