

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: P1311189

Luminaire Tested: LDSQA3D05R409040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409040DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

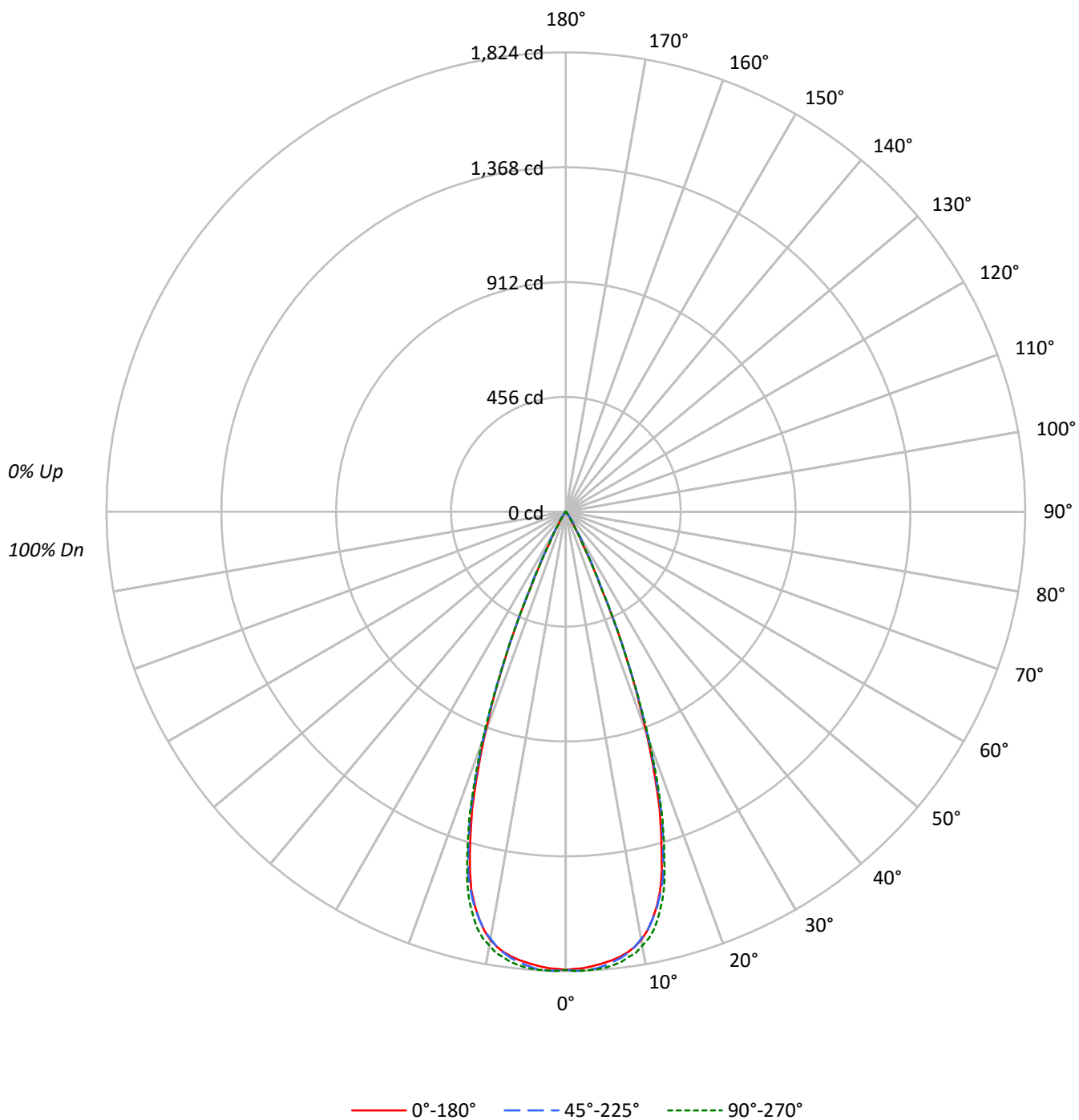
Lumens per Lamp: N/A
Luminaire Lumens: 765.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	313307	313307	313307
5°	310597	312551	314037
10°	301754	301177	305899
15°	262508	266734	269997
20°	172279	175633	177906
25°	61417	65008	61113
30°	13384	18097	13503
35°	4310	7485	4184
40°	1326	2293	1214
45°	122	779	122
50°	0	134	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: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	22.2
10°-20°	396.2	51.8
20°-30°	177.7	23.2
30°-40°	19.2	2.5
40°-50°	1.8	0.2
50°-60°	0.0	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°	744.0	97.3
0°-40°	763.2	99.8
0°-60°	765.0	100.0
0°-90°	765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1819	1819	1819	1819	1819	
5°	1797	1801	1808	1811	1816	169
15°	1472	1483	1496	1505	1514	391
25°	323	333	342	348	322	172
35°	20	24	36	23	20	16
45°	0	1	3	1	0	1
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°	1819.2	1819.2	1819.2	1819.2	1819.2
1°	1815.4	1819.2	1822.4	1819.7	1823.5
2°	1813.8	1818.1	1823.0	1820.3	1823.5
3°	1809.5	1814.9	1820.3	1818.7	1821.9
4°	1803.6	1807.9	1816.0	1816.0	1820.8
5°	1796.6	1801.4	1807.9	1810.6	1816.5
6°	1789.0	1791.7	1796.6	1802.0	1810.0
7°	1779.3	1779.3	1785.3	1790.6	1801.4
8°	1765.9	1764.8	1769.1	1776.1	1785.8
9°	1749.2	1745.4	1748.6	1758.9	1773.4
10°	1725.5	1722.2	1722.2	1735.2	1749.2
11°	1694.8	1693.7	1694.2	1706.6	1725.5
12°	1653.3	1654.3	1654.3	1668.4	1691.5
13°	1606.4	1605.9	1610.7	1626.3	1642.0
14°	1549.3	1552.5	1557.4	1571.4	1587.5
15°	1472.3	1483.0	1496.0	1504.6	1514.3
17.5°	1237.9	1248.7	1266.5	1273.5	1275.6
20°	940.0	955.7	958.3	972.4	970.7
22.5°	630.3	629.2	631.4	633.0	633.5
25°	323.2	332.9	342.1	348.0	321.6
27.5°	140.6	157.3	169.2	153.5	142.2
30°	67.3	76.5	91.0	77.0	67.9
32.5°	36.6	42.6	57.6	42.0	36.1
35°	20.5	23.7	35.6	23.2	19.9
37.5°	11.9	12.9	19.4	12.9	11.3
40°	5.9	7.5	10.2	7.5	5.4
42.5°	2.2	3.8	5.4	3.8	2.2
45°	0.5	1.1	3.2	1.1	0.5
47.5°	0.0	0.0	1.6	0.0	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	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)