

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: P1310073

Luminaire Tested: LDSQA3D05R409035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310073
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: LDSQA3D05R409035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

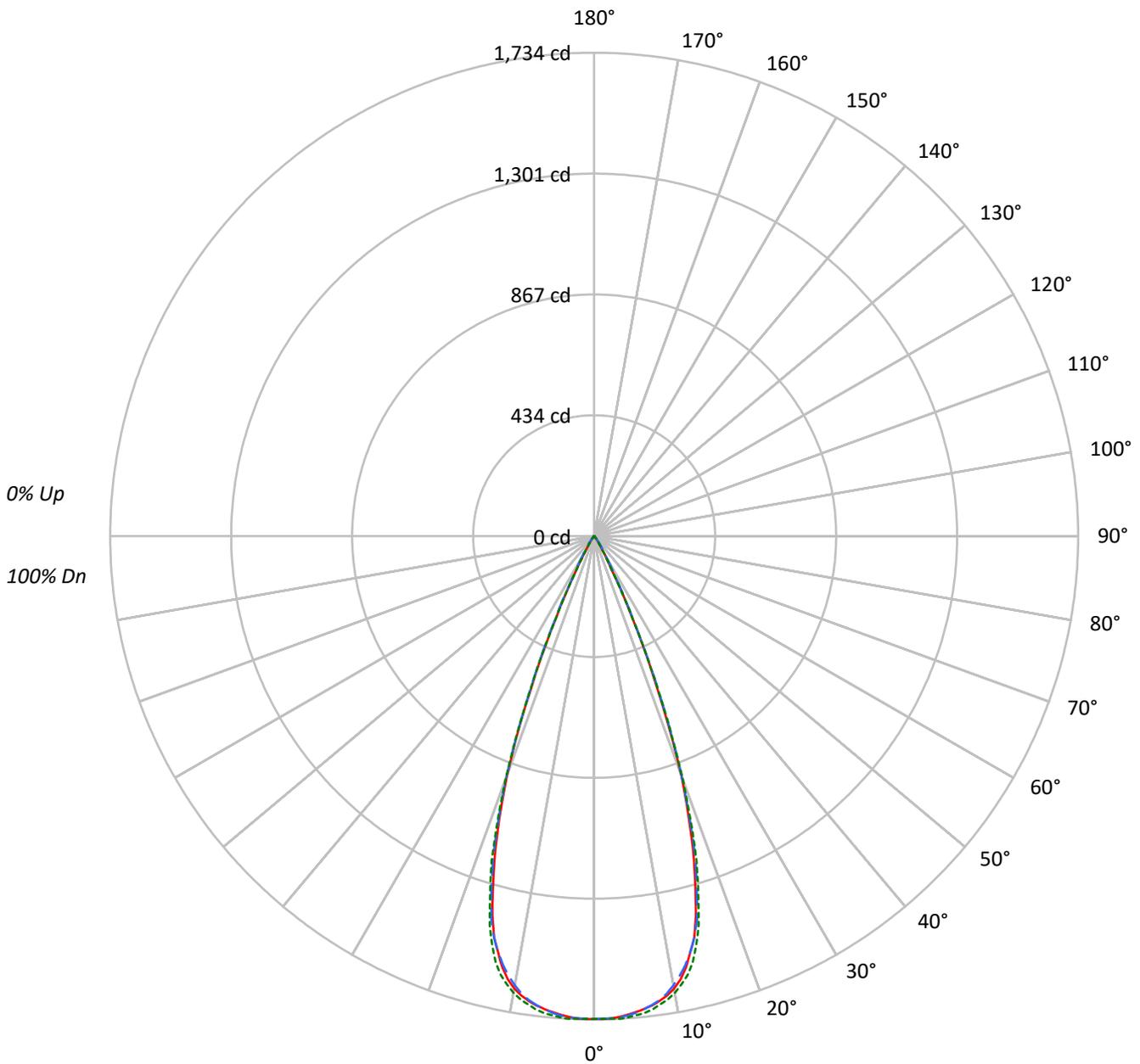
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 732.9 lumens
Efficiency: N/A
Efficacy: 101.8 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



— 0°-180° - - 45°-225° ··· 90°-270°



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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°	298272	298272	298272
5°	296300	296749	298340
10°	288271	286120	290894
15°	251168	253754	257694
20°	167312	168155	169768
25°	60828	62690	61113
30°	12906	17321	12906
35°	4541	7695	4331
40°	1619	2428	1619
45°	365	999	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	408	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: 999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.8	22.1
10°-20°	377.1	51.5
20°-30°	169.7	23.2
30°-40°	19.3	2.6
40°-50°	2.8	0.4
50°-60°	0.9	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°	708.7	96.7
0°-40°	728.0	99.3
0°-60°	731.7	99.8
0°-90°	732.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1732	1732	1732	1732	1732	
5°	1714	1712	1716	1724	1726	162
15°	1409	1412	1423	1434	1445	374
25°	320	322	330	330	322	166
35°	22	24	37	23	21	16
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°	1731.9	1731.9	1731.9	1731.9	1731.9
1°	1733.0	1731.4	1730.9	1734.0	1731.4
2°	1731.4	1730.4	1730.9	1734.0	1731.9
3°	1726.8	1727.3	1728.8	1734.5	1734.0
4°	1721.1	1720.6	1723.7	1730.9	1730.9
5°	1713.9	1711.8	1716.5	1724.2	1725.7
6°	1705.6	1703.1	1706.7	1716.5	1720.1
7°	1696.4	1691.2	1694.3	1706.2	1710.8
8°	1684.0	1677.3	1680.9	1692.8	1696.4
9°	1668.5	1658.2	1661.3	1675.7	1683.0
10°	1648.4	1635.5	1636.1	1652.0	1663.4
11°	1620.1	1605.6	1606.2	1626.3	1638.1
12°	1582.4	1569.6	1572.1	1590.7	1609.8
13°	1531.4	1527.8	1530.9	1551.0	1568.5
14°	1481.9	1478.3	1484.0	1502.6	1510.8
15°	1408.7	1412.3	1423.2	1434.5	1445.3
17.5°	1176.8	1190.7	1203.6	1211.3	1220.6
20°	912.9	896.9	917.5	908.2	926.3
22.5°	589.2	601.0	606.2	601.0	603.1
25°	320.1	322.2	329.9	329.9	321.6
27.5°	136.1	146.9	156.7	153.1	136.1
30°	64.9	74.7	87.1	75.3	64.9
32.5°	36.6	43.3	56.2	42.3	35.6
35°	21.6	24.2	36.6	23.2	20.6
37.5°	12.9	13.4	20.1	13.9	12.4
40°	7.2	8.8	10.8	8.8	7.2
42.5°	3.6	5.2	6.7	5.2	3.6
45°	1.5	2.6	4.1	2.6	1.5
47.5°	1.5	1.5	2.6	1.5	1.5
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	1.0	1.0	1.0	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)