

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: P1317871

Luminaire Tested: LDSQA3D02R159830DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159830DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

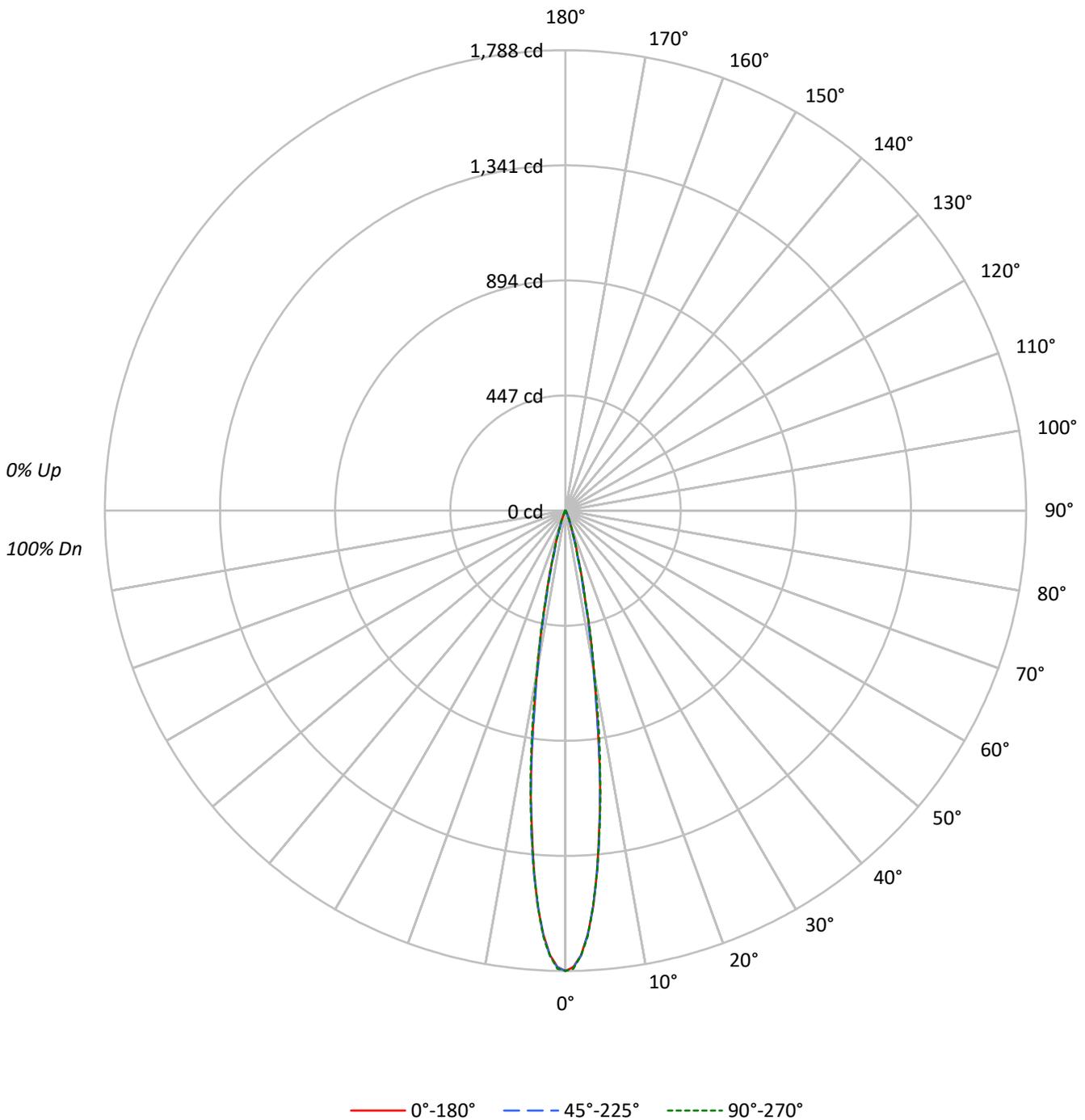
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 179.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	95	93	91	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	90	88	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	307882	307882	307882
5°	242845	243502	242638
10°	111101	108198	113462
15°	33039	29490	32361
20°	9805	9512	10300
25°	2793	3611	3230
30°	994	1074	955
35°	378	336	336
40°	157	90	112
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 0°
 Vertical Angle: 47.5°
 Luminance: 102 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	60.3
10°-20°	60.0	33.5
20°-30°	9.5	5.3
30°-40°	1.2	0.7
40°-50°	0.2	0.1
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°	177.5	99.2
0°-40°	178.8	99.9
0°-60°	179.0	100.0
0°-90°	179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	179.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1788	1788	1788	1788	1788	
5°	1405	1416	1408	1403	1404	108
15°	185	183	165	176	182	61
25°	15	16	19	19	17	9
35°	2	2	2	2	2	1
45°	0	0	0	0	0	0
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7
1°	1772.3	1774.2	1776.7	1774.4	1772.3	1774.2	1771.6	1771.9	1769.8	1774.4	1779.6
2°	1727.2	1729.7	1728.2	1725.0	1730.0	1730.4	1724.8	1722.1	1721.8	1726.4	1728.2
3°	1647.3	1653.0	1653.2	1652.1	1650.5	1647.3	1641.6	1645.3	1640.2	1636.9	1655.2
4°	1541.2	1546.2	1552.1	1548.1	1536.3	1537.4	1541.2	1528.4	1529.2	1536.5	1537.0
5°	1404.7	1420.0	1420.7	1415.1	1405.8	1408.5	1405.8	1402.2	1403.5	1408.1	1403.5
6°	1244.2	1261.4	1248.6	1260.8	1258.1	1261.5	1262.4	1258.7	1261.4	1258.5	1257.6
7°	1105.4	1092.4	1094.2	1089.1	1094.5	1098.1	1100.2	1093.8	1099.0	1107.2	1109.5
8°	933.4	929.6	925.9	934.8	932.3	936.6	939.3	946.5	946.1	948.6	956.8
9°	769.6	775.1	778.5	770.7	777.5	764.2	768.9	788.0	783.0	788.0	802.7
10°	635.3	639.8	634.8	634.6	627.5	618.7	618.1	625.3	640.3	652.2	648.8
12.5°	350.5	354.5	355.0	354.6	341.7	327.2	329.9	335.7	345.0	348.9	355.3
15°	185.3	185.1	187.1	181.5	174.7	165.4	166.1	174.0	181.0	182.8	181.5
17.5°	95.1	95.4	96.8	95.4	88.3	89.2	91.1	92.0	96.1	97.7	96.8
20°	53.5	53.7	53.5	54.1	51.2	51.9	54.4	54.6	55.5	56.4	56.2
22.5°	30.6	30.8	31.9	31.5	30.8	31.7	32.2	33.1	33.5	33.1	34.2
25°	14.7	14.9	14.9	17.0	18.1	19.0	19.3	19.0	18.6	17.2	17.0
27.5°	8.4	8.4	8.8	9.0	9.3	10.9	10.7	9.0	7.5	7.5	7.7
30°	5.0	4.8	4.8	5.0	5.2	5.4	5.0	4.8	4.8	5.0	4.8
32.5°	3.0	3.0	3.0	2.9	2.9	2.7	2.7	3.0	3.0	3.0	3.0
35°	1.8	1.8	1.8	1.8	1.6	1.6	1.6	1.8	1.8	1.6	1.6
37.5°	1.1	1.1	1.1	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.9
40°	0.7	0.7	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5
42.5°	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.4
45°	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
47.5°	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)