

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: P1314358

Luminaire Tested: LDSQA3D05R409730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314358
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: LDSQA3D05R409730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

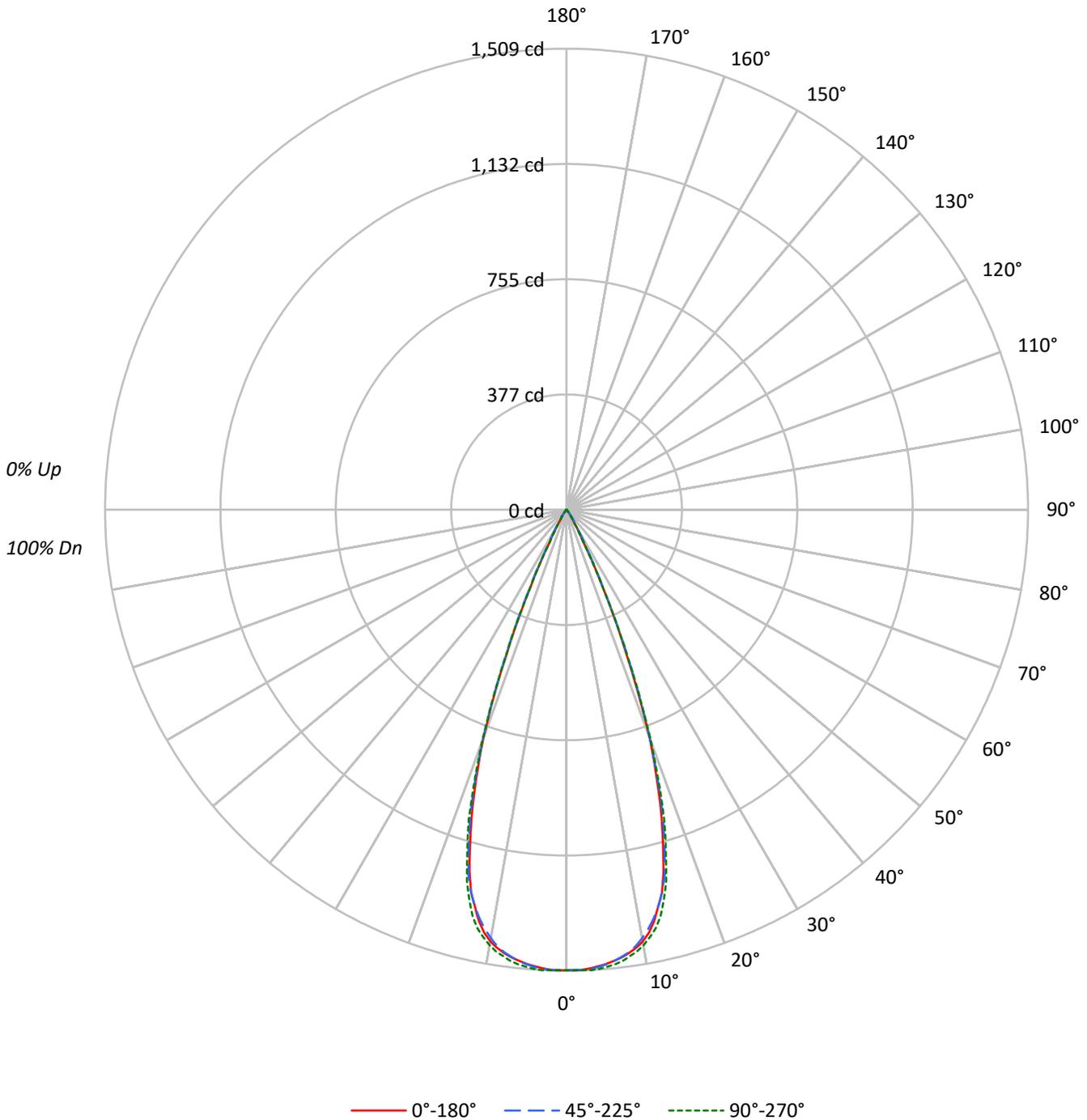
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 637.9 lumens
Efficiency: N/A
Efficacy: 88.6 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°	259626	259626	259626
5°	257903	258283	259684
10°	250917	249028	253190
15°	218629	220858	224299
20°	145631	146364	147757
25°	52941	54557	53207
30°	11236	15074	11236
35°	3953	6707	3763
40°	1416	2113	1416
45°	317	877	317
50°	241	348	241
55°	270	270	270
60°	310	310	310
65°	163	367	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	22.1
10°-20°	328.3	51.5
20°-30°	147.7	23.2
30°-40°	16.8	2.6
40°-50°	2.4	0.4
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.4	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°	616.9	96.7
0°-40°	633.7	99.3
0°-60°	636.9	99.8
0°-90°	637.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1508	1508	1508	1508	1508	
5°	1492	1490	1494	1501	1502	141
15°	1226	1229	1239	1249	1258	326
25°	279	280	287	287	280	144
35°	19	21	32	20	18	14
45°	1	2	4	2	1	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°	1507.5	1507.5	1507.5	1507.5	1507.5
1°	1508.4	1507.0	1506.6	1509.3	1507.0
2°	1507.0	1506.1	1506.6	1509.3	1507.5
3°	1503.0	1503.4	1504.8	1509.7	1509.3
4°	1498.0	1497.6	1500.3	1506.6	1506.6
5°	1491.8	1490.0	1494.0	1500.7	1502.1
6°	1484.6	1482.3	1485.5	1494.0	1497.1
7°	1476.5	1472.0	1474.7	1485.0	1489.1
8°	1465.7	1459.9	1463.0	1473.4	1476.5
9°	1452.3	1443.3	1446.0	1458.6	1464.8
10°	1434.8	1423.6	1424.0	1437.9	1447.8
11°	1410.1	1397.5	1398.0	1415.5	1425.8
12°	1377.4	1366.1	1368.4	1384.5	1401.1
13°	1332.9	1329.8	1332.5	1350.0	1365.2
14°	1289.9	1286.7	1291.7	1307.8	1315.0
15°	1226.2	1229.3	1238.7	1248.6	1258.0
17.5°	1024.3	1036.4	1047.6	1054.3	1062.4
20°	794.6	780.7	798.6	790.5	806.2
22.5°	512.8	523.1	527.6	523.1	524.9
25°	278.6	280.4	287.1	287.1	280.0
27.5°	118.4	127.9	136.4	133.2	118.4
30°	56.5	65.1	75.8	65.5	56.5
32.5°	31.9	37.7	48.9	36.8	31.0
35°	18.8	21.1	31.9	20.2	17.9
37.5°	11.2	11.7	17.5	12.1	10.8
40°	6.3	7.6	9.4	7.6	6.3
42.5°	3.1	4.5	5.8	4.5	3.1
45°	1.3	2.2	3.6	2.2	1.3
47.5°	1.3	1.3	2.2	1.3	1.3
50°	0.9	0.9	1.3	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.4	0.9	0.9	0.9	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)