

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: P1313386

Luminaire Tested: LDSQA3D05R409727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313386
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: LDSQA3D05R409727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

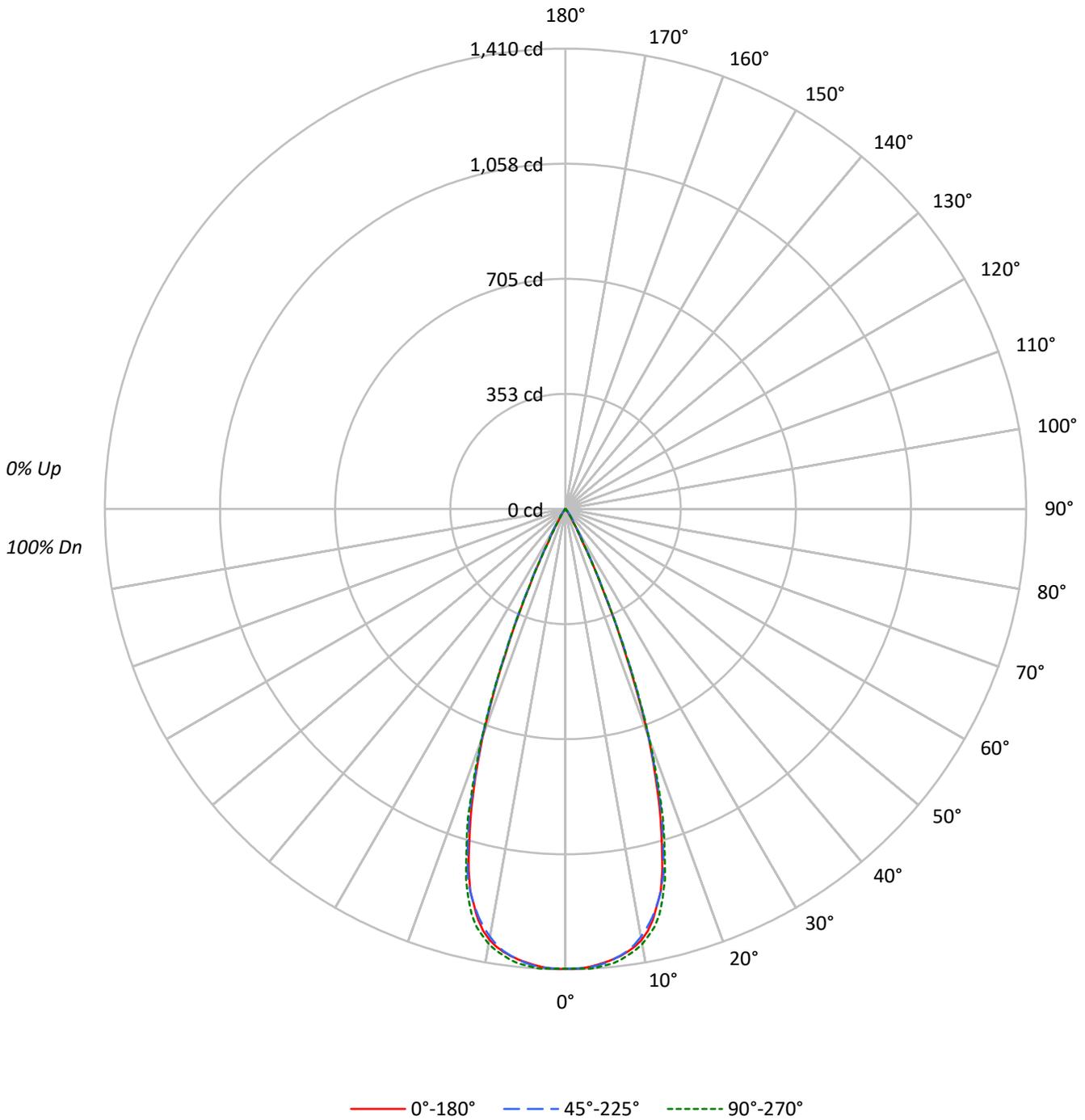
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 595.9 lumens
Efficiency: N/A
Efficacy: 82.8 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





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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°	242524	242524	242524
5°	240926	241289	242586
10°	234391	232642	236524
15°	204223	206326	209536
20°	136045	136724	138025
25°	49464	50965	49692
30°	10500	14080	10500
35°	3700	6265	3532
40°	1326	1978	1326
45°	317	828	317
50°	214	348	214
55°	240	240	240
60°	276	276	276
65°	163	326	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: 828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	22.1
10°-20°	306.7	51.5
20°-30°	138.0	23.2
30°-40°	15.7	2.6
40°-50°	2.3	0.4
50°-60°	0.7	0.1
60°-70°	0.6	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°	576.2	96.7
0°-40°	592.0	99.3
0°-60°	594.9	99.8
0°-90°	595.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1394	1392	1396	1402	1403	131
15°	1145	1148	1157	1166	1175	304
25°	260	262	268	268	262	135
35°	18	20	30	19	17	13
45°	1	2	3	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°	1408.2	1408.2	1408.2	1408.2	1408.2
1°	1409.1	1407.8	1407.4	1409.9	1407.8
2°	1407.8	1407.0	1407.4	1409.9	1408.2
3°	1404.0	1404.5	1405.7	1410.3	1409.9
4°	1399.4	1399.0	1401.5	1407.4	1407.4
5°	1393.6	1391.9	1395.7	1401.9	1403.2
6°	1386.9	1384.8	1387.7	1395.7	1398.6
7°	1379.3	1375.1	1377.6	1387.3	1391.0
8°	1369.2	1363.8	1366.7	1376.4	1379.3
9°	1356.7	1348.3	1350.8	1362.5	1368.4
10°	1340.3	1329.9	1330.3	1343.3	1352.5
11°	1317.3	1305.5	1306.0	1322.3	1331.9
12°	1286.7	1276.2	1278.3	1293.4	1308.9
13°	1245.2	1242.3	1244.8	1261.1	1275.4
14°	1205.0	1202.0	1206.6	1221.7	1228.4
15°	1145.4	1148.4	1157.2	1166.4	1175.2
17.5°	956.8	968.2	978.6	984.9	992.5
20°	742.3	729.3	746.0	738.5	753.1
22.5°	479.0	488.7	492.9	488.7	490.4
25°	260.3	261.9	268.2	268.2	261.5
27.5°	110.6	119.4	127.4	124.5	110.6
30°	52.8	60.8	70.8	61.2	52.8
32.5°	29.8	35.2	45.7	34.4	28.9
35°	17.6	19.7	29.8	18.9	16.8
37.5°	10.5	10.9	16.3	11.3	10.1
40°	5.9	7.1	8.8	7.1	5.9
42.5°	2.9	4.2	5.4	4.2	2.9
45°	1.3	2.1	3.4	2.1	1.3
47.5°	1.3	1.3	2.1	1.3	1.3
50°	0.8	0.8	1.3	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.4	0.8	0.8	0.8	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)