

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: P1317530

Luminaire Tested: LDSQA3D13R509827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509827DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

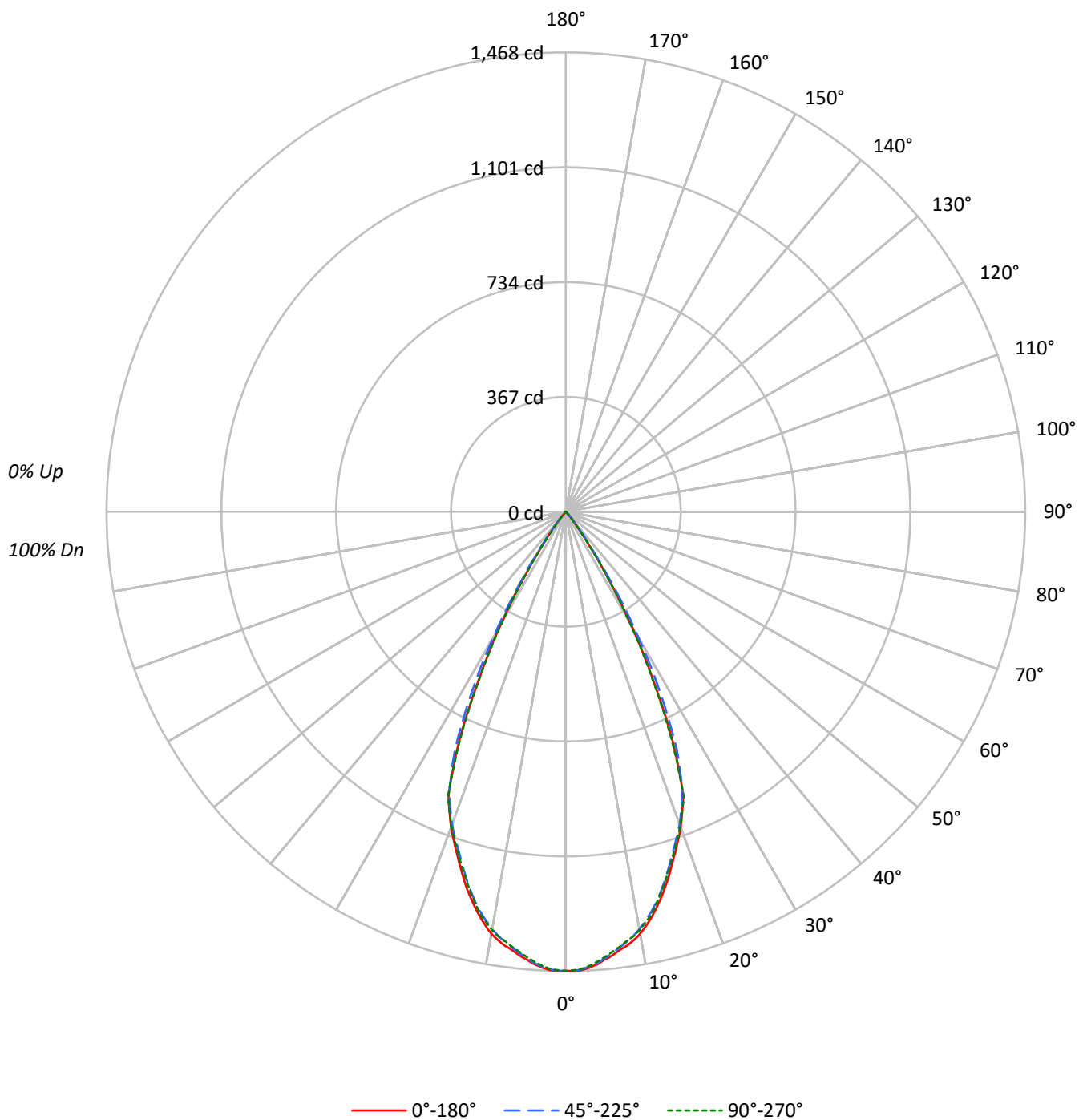
Lumens per Lamp: N/A
Luminaire Lumens: 945.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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					0
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	252737	252737	252737
5°	248326	247634	246925
10°	239497	236892	237364
15°	220305	217541	218148
20°	196728	194877	195995
25°	153104	159527	151451
30°	82947	92612	81455
35°	26154	31116	25587
40°	5778	8049	5463
45°	170	2460	170
50°	0	375	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: 2460 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	14.2
10°-20°	341.6	36.1
20°-30°	359.8	38.1
30°-40°	102.8	10.9
40°-50°	6.4	0.7
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°	835.8	88.4
0°-40°	938.6	99.3
0°-60°	945.0	100.0
0°-90°	945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1436	1435	1432	1431	1428	135
15°	1236	1228	1220	1222	1224	344
25°	806	836	840	830	797	352
35°	124	133	148	126	122	97
45°	1	3	10	3	1	4
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°	1467.5	1467.5	1467.5	1467.5	1467.5
1°	1468.2	1468.9	1467.5	1468.9	1465.5
2°	1466.2	1464.8	1463.4	1464.1	1462.1
3°	1458.7	1458.0	1455.3	1456.0	1453.3
4°	1449.3	1447.2	1445.2	1443.8	1441.1
5°	1436.4	1435.1	1432.4	1431.0	1428.3
6°	1425.6	1422.9	1418.2	1416.8	1414.1
7°	1411.4	1410.0	1404.0	1402.6	1401.3
8°	1400.6	1396.5	1389.1	1389.8	1386.4
9°	1386.4	1381.0	1373.5	1373.5	1374.2
10°	1369.5	1361.4	1354.6	1356.6	1357.3
11°	1347.2	1341.8	1331.6	1336.4	1336.4
12°	1322.8	1316.1	1308.7	1312.7	1315.4
13°	1294.5	1289.0	1282.3	1286.3	1285.0
14°	1266.7	1256.6	1251.9	1257.3	1255.3
15°	1235.6	1227.5	1220.1	1222.1	1223.5
17.5°	1152.5	1143.7	1138.3	1139.0	1145.1
20°	1073.4	1070.0	1063.3	1066.0	1069.4
22.5°	980.1	981.5	973.4	975.4	983.5
25°	805.7	835.5	839.5	830.1	797.0
27.5°	596.9	641.5	655.0	633.4	592.8
30°	417.1	429.2	465.7	424.5	409.6
32.5°	244.7	262.9	282.5	254.2	244.0
35°	124.4	133.2	148.0	125.7	121.7
37.5°	57.5	61.5	67.6	57.5	54.1
40°	25.7	30.4	35.8	29.1	24.3
42.5°	8.1	14.2	18.9	12.8	7.4
45°	0.7	3.4	10.1	3.4	0.7
47.5°	0.0	0.7	4.1	0.7	0.0
50°	0.0	0.0	1.4	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)