

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: P1317376

Luminaire Tested: LDSQA3D09R459827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

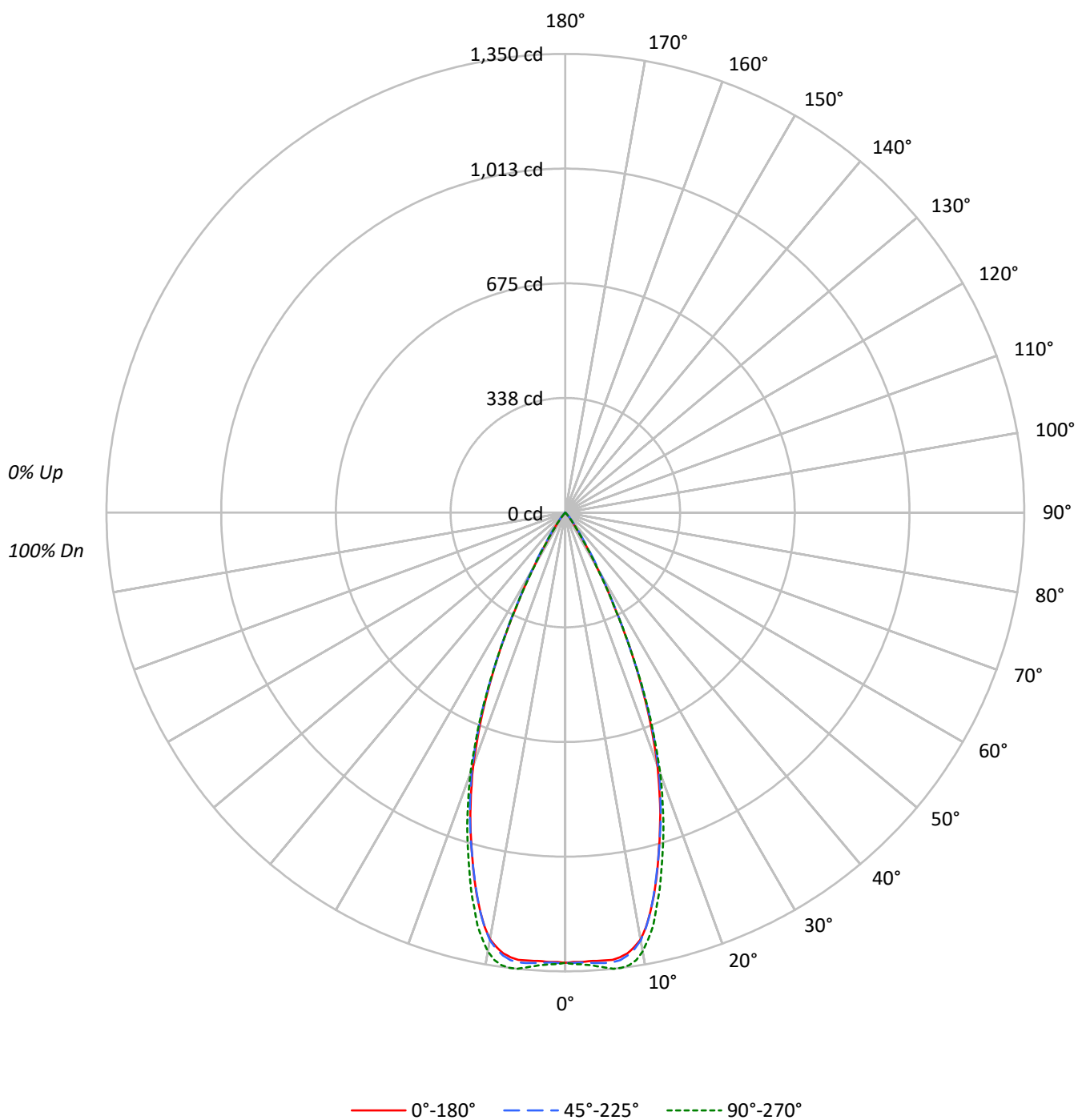
Lumens per Lamp: N/A
Luminaire Lumens: 685.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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					10
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	228178	228178	228178
5°	228704	230018	232300
10°	222971	223426	229302
15°	188104	188194	194380
20°	145209	147262	149681
25°	90092	90187	90757
30°	37168	39495	36551
35°	11563	14128	11143
40°	3552	4924	3327
45°	244	1851	244
50°	0	268	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: 1851 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	18.4
10°-20°	293.2	42.8
20°-30°	215.1	31.4
30°-40°	46.2	6.7
40°-50°	4.4	0.6
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°	634.4	92.6
0°-40°	680.6	99.4
0°-60°	685.0	100.0
0°-90°	685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1325	1325	1325	1325	1325	
5°	1323	1326	1330	1340	1344	125
15°	1055	1053	1056	1072	1090	291
25°	474	472	475	475	478	213
35°	55	59	67	58	53	43
45°	1	3	8	3	1	3
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°	22.5°	45°	67.5°	90°
0°	1324.9	1324.9	1324.9	1324.9	1324.9
1°	1322.4	1325.4	1325.4	1327.5	1328.5
2°	1323.4	1325.4	1324.9	1328.5	1330.0
3°	1321.9	1325.4	1326.4	1330.5	1333.1
4°	1322.4	1325.4	1328.5	1334.6	1338.1
5°	1322.9	1326.4	1330.5	1339.7	1343.7
6°	1323.4	1325.9	1330.5	1342.2	1349.9
7°	1318.3	1321.9	1326.9	1341.7	1349.9
8°	1310.1	1312.2	1316.3	1335.6	1345.3
9°	1294.9	1294.4	1300.5	1321.9	1333.1
10°	1275.0	1268.9	1277.6	1298.9	1311.2
11°	1242.9	1236.3	1243.9	1266.9	1278.6
12°	1201.2	1201.2	1202.7	1223.1	1243.4
13°	1156.9	1151.8	1154.8	1177.8	1192.0
14°	1108.0	1102.9	1106.0	1123.3	1145.7
15°	1055.0	1053.0	1055.5	1072.4	1090.2
17.5°	929.3	924.7	933.9	950.7	959.8
20°	792.3	799.9	803.5	814.2	816.7
22.5°	635.0	643.1	648.2	649.7	651.3
25°	474.1	472.5	474.6	474.6	477.6
27.5°	311.6	311.6	317.2	313.7	310.1
30°	186.9	194.5	198.6	192.0	183.8
32.5°	101.8	109.5	116.1	106.4	99.3
35°	55.0	59.1	67.2	57.5	53.0
37.5°	30.0	33.6	38.7	32.6	30.0
40°	15.8	19.3	21.9	19.3	14.8
42.5°	5.1	9.7	12.7	9.7	4.6
45°	1.0	3.1	7.6	3.1	1.0
47.5°	0.0	0.5	3.6	0.5	0.0
50°	0.0	0.0	1.0	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)