

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: P1319128

Luminaire Tested: LDSQA3D09R459835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319128
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: LDSQA3D09R459835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

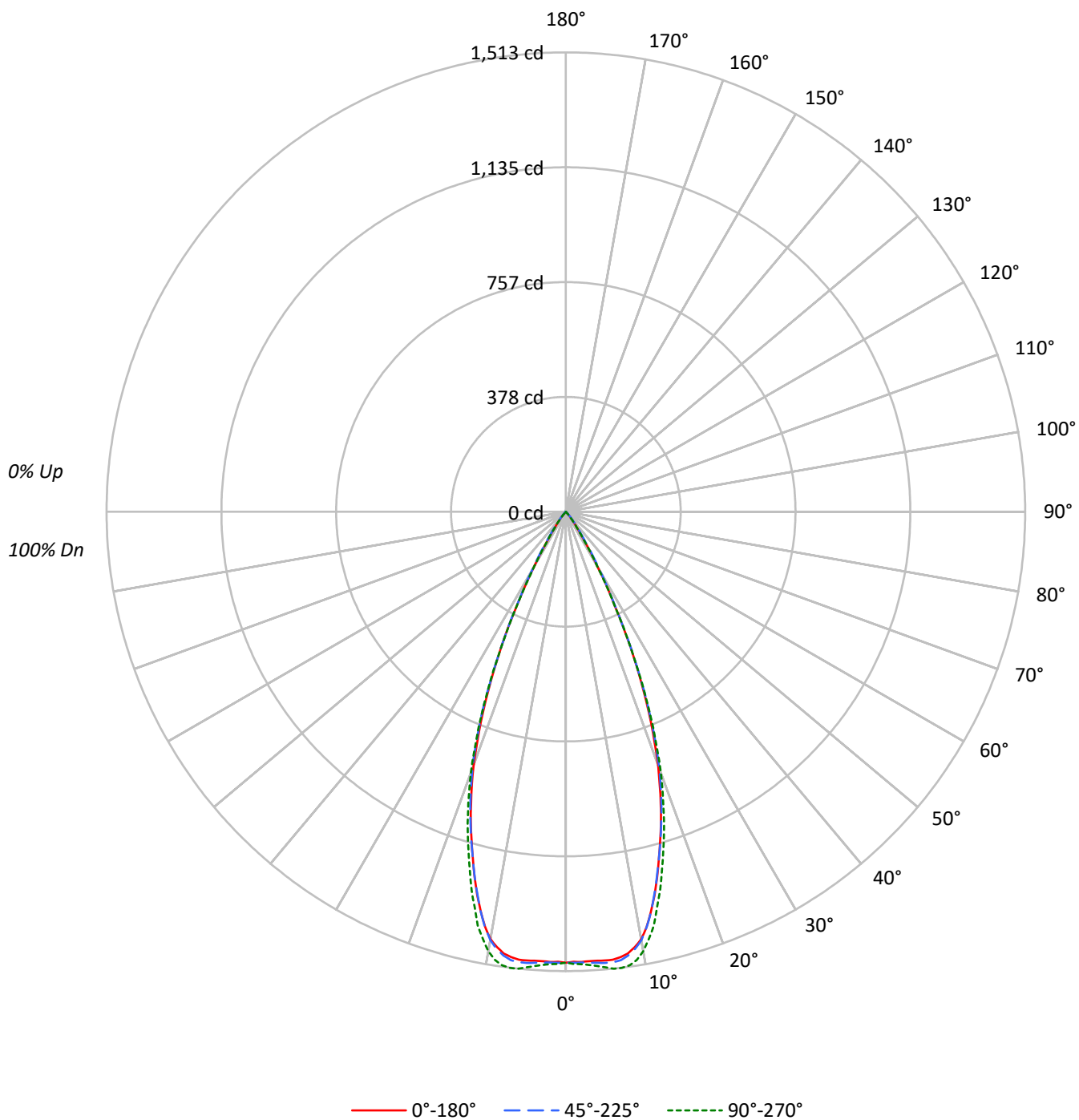
Lumens per Lamp: N/A
Luminaire Lumens: 768.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	255820	255820	255820
5°	256416	257886	260462
10°	249990	250497	257073
15°	210909	210998	217934
20°	162804	165113	167825
25°	100999	101113	101759
30°	41662	44267	40986
35°	12972	15852	12489
40°	3979	5508	3732
45°	268	2095	268
50°	0	295	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: 2095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	18.4
10°-20°	328.7	42.8
20°-30°	241.1	31.4
30°-40°	51.8	6.7
40°-50°	4.9	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°	711.2	92.6
0°-40°	763.0	99.4
0°-60°	768.0	100.0
0°-90°	768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1485	1485	1485	1485	1485	
5°	1483	1487	1492	1502	1507	140
15°	1183	1181	1183	1202	1222	326
25°	532	530	532	532	536	238
35°	62	66	75	64	59	49
45°	1	3	9	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1485.4	1485.4	1485.4	1485.4	1485.4
1°	1482.6	1486.0	1486.0	1488.3	1489.4
2°	1483.7	1486.0	1485.4	1489.4	1491.2
3°	1482.0	1486.0	1487.2	1491.7	1494.6
4°	1482.6	1486.0	1489.4	1496.3	1500.3
5°	1483.2	1487.2	1491.7	1502.0	1506.6
6°	1483.7	1486.6	1491.7	1504.9	1513.4
7°	1478.0	1482.0	1487.7	1504.3	1513.4
8°	1468.9	1471.2	1475.7	1497.4	1508.3
9°	1451.8	1451.2	1458.0	1482.0	1494.6
10°	1429.5	1422.6	1432.4	1456.3	1470.0
11°	1393.5	1386.1	1394.7	1420.4	1433.5
12°	1346.7	1346.7	1348.4	1371.3	1394.1
13°	1297.1	1291.3	1294.8	1320.5	1336.4
14°	1242.2	1236.5	1240.0	1259.4	1284.5
15°	1182.9	1180.6	1183.4	1202.3	1222.3
17.5°	1041.9	1036.7	1047.0	1065.8	1076.1
20°	888.3	896.9	900.9	912.8	915.7
22.5°	711.9	721.0	726.7	728.5	730.2
25°	531.5	529.8	532.1	532.1	535.5
27.5°	349.4	349.4	355.7	351.7	347.7
30°	209.5	218.1	222.6	215.2	206.1
32.5°	114.2	122.7	130.2	119.3	111.3
35°	61.7	66.2	75.4	64.5	59.4
37.5°	33.7	37.7	43.4	36.5	33.7
40°	17.7	21.7	24.5	21.7	16.6
42.5°	5.7	10.8	14.3	10.8	5.1
45°	1.1	3.4	8.6	3.4	1.1
47.5°	0.0	0.6	4.0	0.6	0.0
50°	0.0	0.0	1.1	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)