

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: P1320004

Luminaire Tested: LDSQA3D09R459840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320004
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: LDSQA3D09R459840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

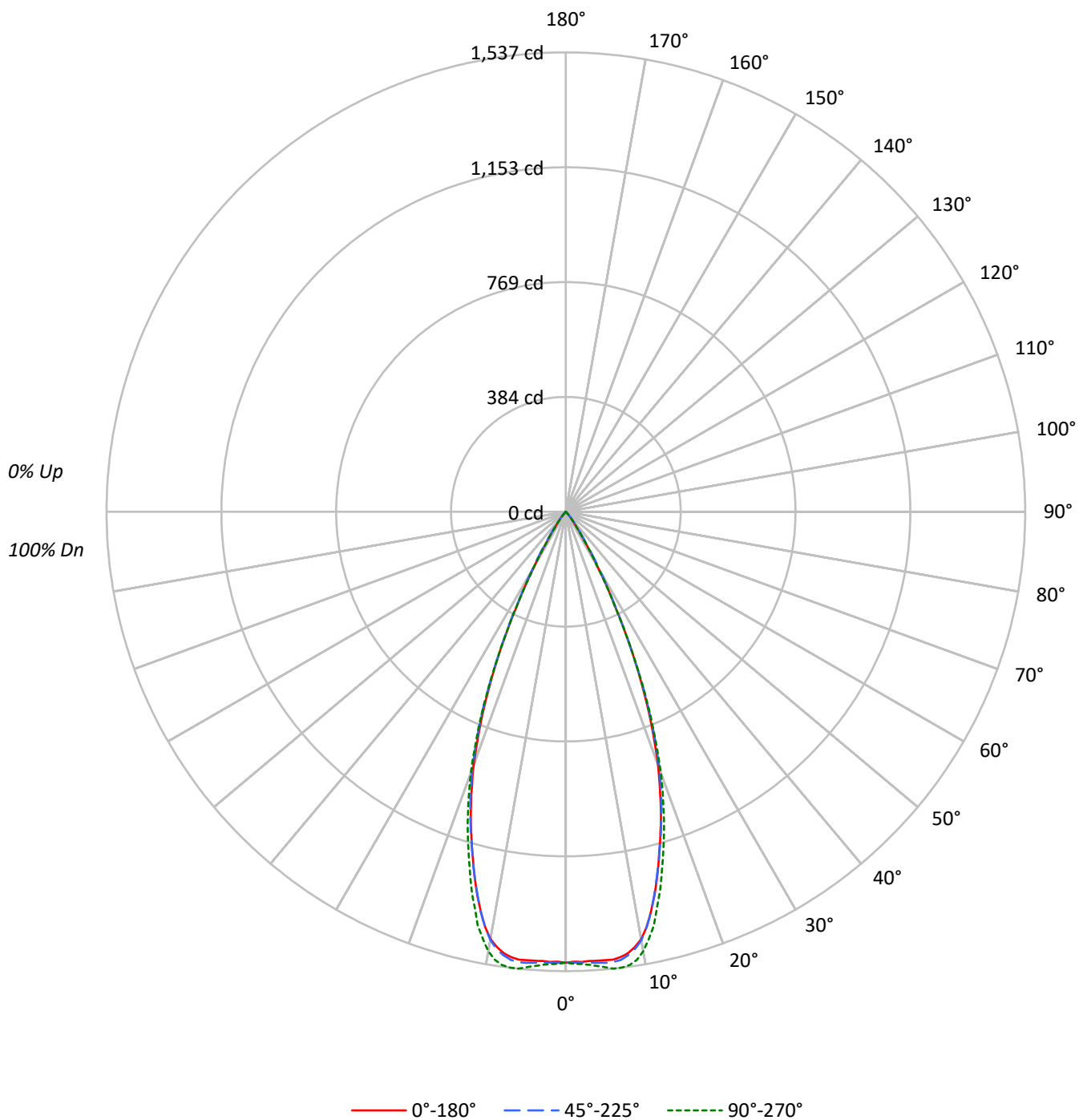
Lumens per Lamp: N/A
Luminaire Lumens: 780.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	259832	259832	259832
5°	260410	261914	264524
10°	253890	254397	261095
15°	214207	214296	221339
20°	165351	167679	170446
25°	102576	102690	103355
30°	42319	44964	41623
35°	13161	16084	12678
40°	4047	5598	3777
45°	292	2119	292
50°	0	322	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: 2119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	18.4
10°-20°	333.9	42.8
20°-30°	244.9	31.4
30°-40°	52.6	6.7
40°-50°	5.0	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°	722.3	92.6
0°-40°	775.0	99.4
0°-60°	780.0	100.0
0°-90°	780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1509	1509	1509	1509	1509	
5°	1506	1510	1515	1526	1530	142
15°	1201	1199	1202	1221	1241	331
25°	540	538	540	540	544	242
35°	63	67	76	66	60	49
45°	1	4	9	4	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°	1508.7	1508.7	1508.7	1508.7	1508.7
1°	1505.8	1509.2	1509.2	1511.6	1512.7
2°	1506.9	1509.2	1508.7	1512.7	1514.5
3°	1505.2	1509.2	1510.4	1515.0	1517.9
4°	1505.8	1509.2	1512.7	1519.7	1523.7
5°	1506.3	1510.4	1515.0	1525.5	1530.1
6°	1506.9	1509.8	1515.0	1528.4	1537.1
7°	1501.1	1505.2	1511.0	1527.8	1537.1
8°	1491.8	1494.2	1498.8	1520.8	1531.8
9°	1474.4	1473.9	1480.8	1505.2	1517.9
10°	1451.8	1444.9	1454.7	1479.1	1493.0
11°	1415.3	1407.8	1416.5	1442.6	1455.9
12°	1367.8	1367.8	1369.5	1392.7	1415.9
13°	1317.3	1311.5	1315.0	1341.1	1357.3
14°	1261.7	1255.9	1259.3	1279.1	1304.6
15°	1201.4	1199.0	1201.9	1221.1	1241.4
17.5°	1058.1	1052.9	1063.4	1082.5	1092.9
20°	902.2	910.9	914.9	927.1	930.0
22.5°	723.0	732.3	738.1	739.8	741.6
25°	539.8	538.1	540.4	540.4	543.9
27.5°	354.8	354.8	361.2	357.2	353.1
30°	212.8	221.5	226.1	218.6	209.3
32.5°	116.0	124.7	132.2	121.2	113.1
35°	62.6	67.3	76.5	65.5	60.3
37.5°	34.2	38.3	44.1	37.1	34.2
40°	18.0	22.0	24.9	22.0	16.8
42.5°	5.8	11.0	14.5	11.0	5.2
45°	1.2	3.5	8.7	3.5	1.2
47.5°	0.0	0.6	4.1	0.6	0.0
50°	0.0	0.0	1.2	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)