

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: P1308012

Luminaire Tested: LDSQA3D09R509027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

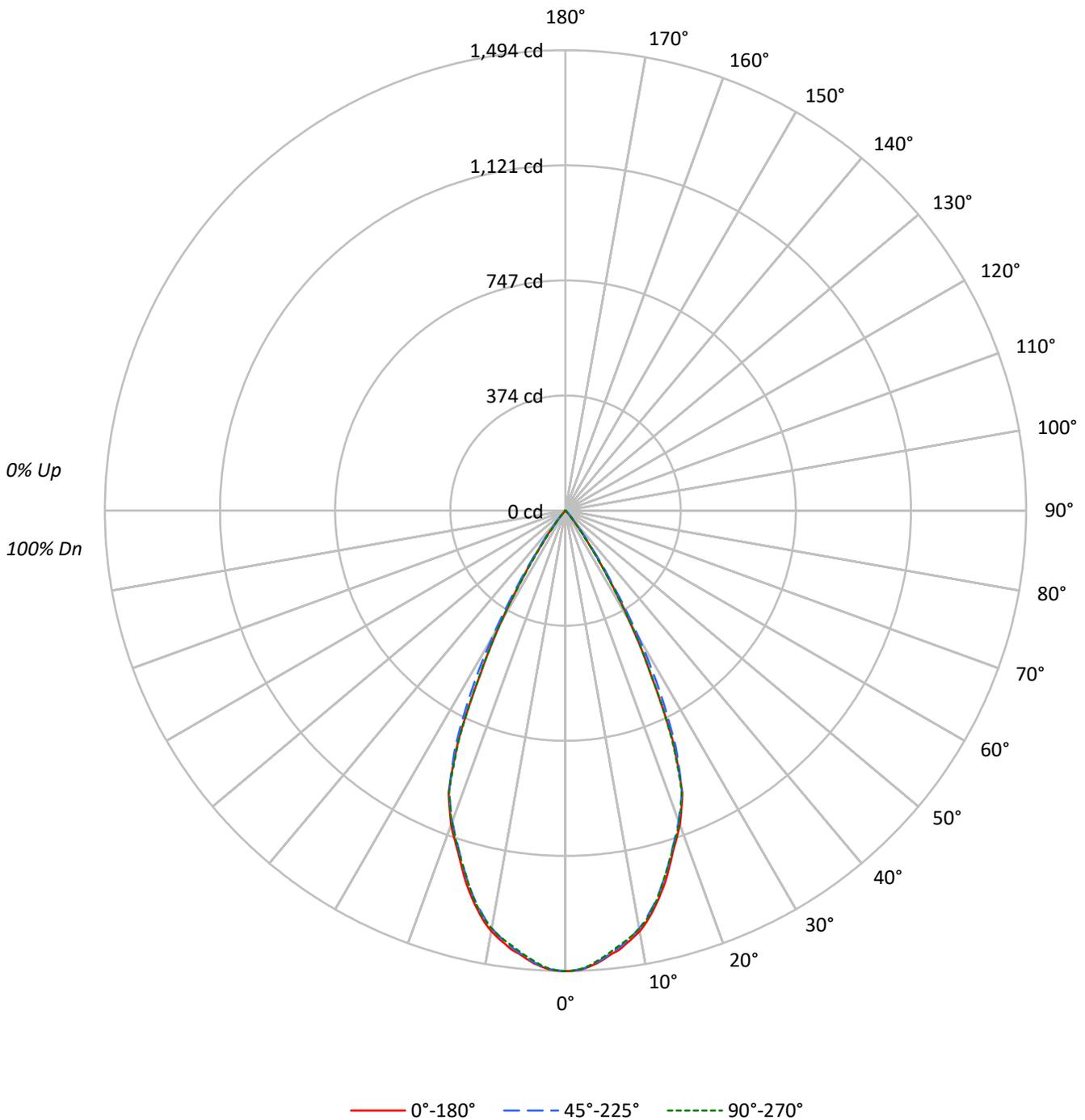
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 963.1 lumens
Efficiency: N/A
Efficacy: 86.8 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): 11.1
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				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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	257352	257352	257352
5°	252302	251835	251126
10°	242435	240757	240879
15°	222552	220483	220234
20°	198817	196691	197699
25°	156259	160820	154967
30°	83603	93666	83881
35°	27311	31915	25734
40°	6767	8453	6452
45°	828	2996	828
50°	563	911	563
55°	631	631	631
60°	482	482	482
65°	571	571	571
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2996 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	14.2
10°-20°	345.6	35.9
20°-30°	363.5	37.7
30°-40°	104.7	10.9
40°-50°	8.5	0.9
50°-60°	1.9	0.2
60°-70°	1.3	0.1
70°-80°	0.7	0.1
80°-90°	0.2	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°	845.7	87.8
0°-40°	950.4	98.7
0°-60°	960.8	99.8
0°-90°	963.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	963.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1494	1494	1494	1494	1494	
5°	1459	1459	1457	1458	1453	137
15°	1248	1240	1237	1237	1235	348
25°	822	843	846	837	816	356
35°	130	135	152	130	122	100
45°	3	7	12	7	3	6
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	1494.3	1494.3	1494.3	1494.3	1494.3
1°	1493.6	1495.0	1492.3	1497.0	1492.9
2°	1490.2	1490.9	1489.5	1492.9	1487.5
3°	1482.0	1483.4	1480.6	1483.4	1478.6
4°	1472.4	1472.4	1469.7	1471.8	1465.6
5°	1459.4	1458.8	1456.7	1458.1	1452.6
6°	1445.8	1445.1	1441.7	1441.7	1437.6
7°	1435.5	1430.7	1428.0	1427.3	1423.2
8°	1419.1	1417.8	1412.3	1412.3	1409.5
9°	1402.7	1401.3	1395.2	1396.6	1394.5
10°	1386.3	1381.5	1376.7	1377.4	1377.4
11°	1364.4	1360.3	1353.5	1356.2	1357.6
12°	1338.5	1333.7	1327.5	1333.0	1332.3
13°	1309.7	1305.6	1300.9	1305.0	1303.6
14°	1279.7	1273.5	1269.4	1272.1	1270.8
15°	1248.2	1240.0	1236.6	1236.6	1235.2
17.5°	1160.0	1155.3	1151.8	1149.8	1154.6
20°	1084.8	1080.7	1073.2	1075.3	1078.7
22.5°	990.5	989.8	985.7	982.3	986.4
25°	822.3	842.9	846.3	836.7	815.5
27.5°	597.5	645.3	662.4	639.8	600.9
30°	420.4	443.0	471.0	426.6	421.8
32.5°	253.6	259.8	285.7	255.0	248.1
35°	129.9	134.7	151.8	129.9	122.4
37.5°	60.8	63.6	70.4	60.8	56.7
40°	30.1	33.5	37.6	31.4	28.7
42.5°	13.0	17.1	21.9	16.4	11.6
45°	3.4	6.8	12.3	6.8	3.4
47.5°	2.1	2.7	6.8	2.7	2.1
50°	2.1	2.1	3.4	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	1.4	2.1	1.4	2.1	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.0	0.7	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)