

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: P1312452

Luminaire Tested: LDSQA3D09R559050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

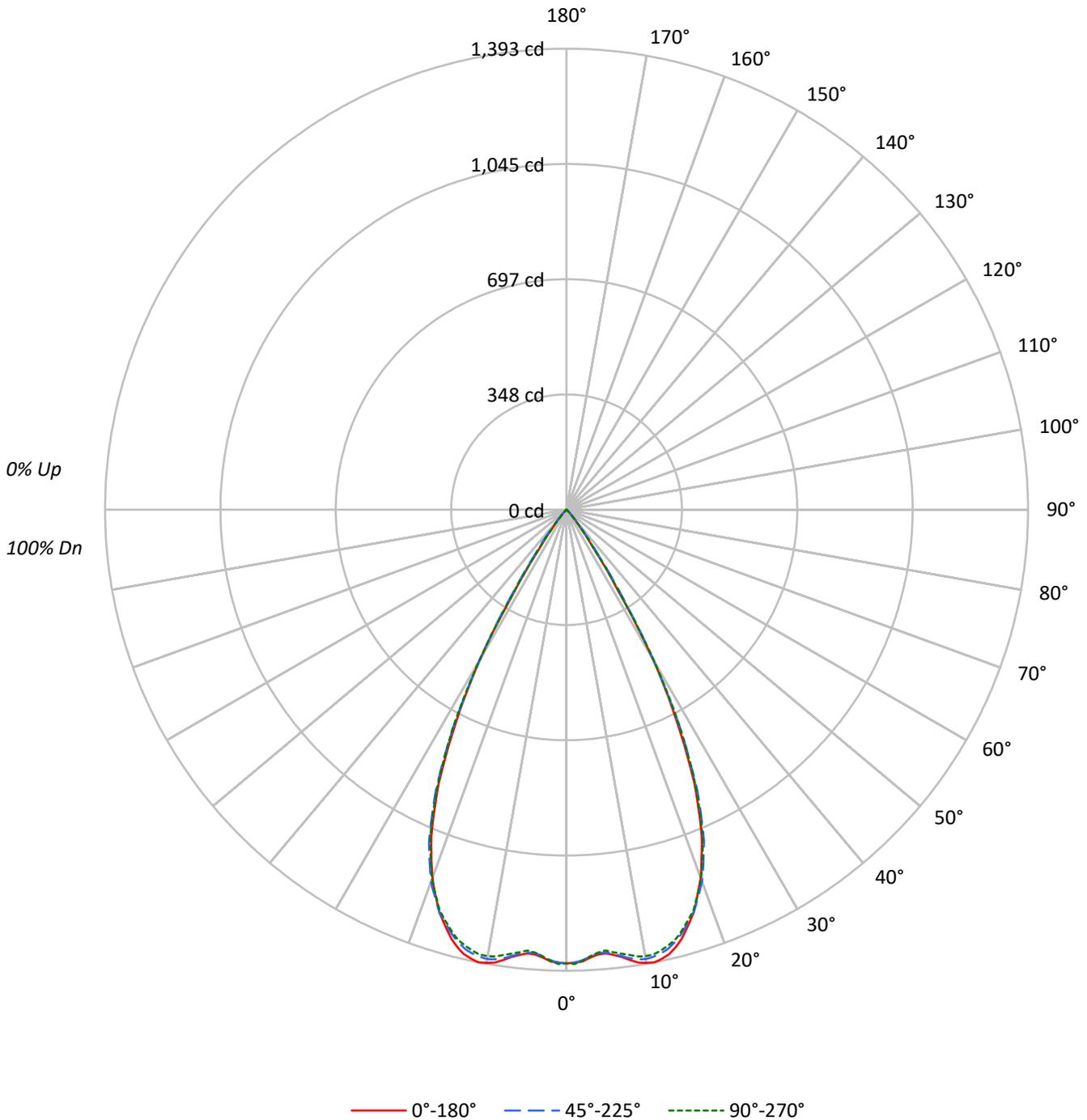
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1051.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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				
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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	236031	236031	236031
5°	232663	232248	231141
10°	243170	241071	239532
15°	239383	237243	236245
20°	217053	219252	217640
25°	173570	177219	175547
30°	104086	104086	105359
35°	30065	35616	31074
40°	8633	11668	8633
45°	1948	4481	1948
50°	857	1500	643
55°	721	721	721
60°	827	827	827
65°	652	652	652
70°	806	806	806
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4481 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	12.4
10°-20°	370.4	35.2
20°-30°	408.1	38.8
30°-40°	124.8	11.9
40°-50°	12.4	1.2
50°-60°	2.3	0.2
60°-70°	1.8	0.2
70°-80°	1.0	0.1
80°-90°	0.3	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°	908.4	86.4
0°-40°	1033.2	98.3
0°-60°	1047.8	99.7
0°-90°	1051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1051.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1370	1370	1370	1370	1370	
5°	1346	1346	1343	1339	1337	130
15°	1343	1340	1331	1325	1325	372
25°	913	922	933	941	924	402
35°	143	150	169	156	148	117
45°	8	12	18	12	8	9
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
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°	1370.5	1370.5	1370.5	1370.5	1370.5
1°	1368.9	1369.7	1368.9	1367.3	1372.9
2°	1365.7	1364.9	1362.5	1361.7	1364.1
3°	1355.3	1355.3	1352.2	1350.6	1351.4
4°	1347.4	1347.4	1342.6	1341.0	1341.8
5°	1345.8	1345.8	1343.4	1339.4	1337.0
6°	1352.2	1353.7	1348.2	1344.2	1344.2
7°	1361.7	1362.5	1358.5	1352.9	1351.4
8°	1373.7	1374.5	1368.1	1361.7	1358.5
9°	1385.7	1384.1	1375.3	1368.9	1366.5
10°	1390.5	1389.7	1378.5	1372.1	1369.7
11°	1392.9	1388.9	1376.1	1370.5	1369.7
12°	1387.3	1384.1	1370.5	1364.9	1362.5
13°	1377.7	1372.9	1361.7	1356.1	1352.9
14°	1362.5	1357.7	1347.4	1341.0	1341.8
15°	1342.6	1340.2	1330.6	1325.0	1325.0
17.5°	1276.2	1277.8	1275.4	1273.0	1271.4
20°	1184.3	1190.7	1196.3	1193.1	1187.5
22.5°	1066.9	1078.0	1084.4	1086.0	1075.6
25°	913.4	922.2	932.6	941.4	923.8
27.5°	722.4	730.4	740.0	745.6	743.2
30°	523.4	524.2	523.4	533.8	529.8
32.5°	290.9	314.9	318.9	326.1	300.5
35°	143.0	150.2	169.4	155.8	147.8
37.5°	68.7	73.5	91.9	75.1	71.9
40°	38.4	41.6	51.9	43.2	38.4
42.5°	18.4	24.0	28.0	24.8	18.4
45°	8.0	12.0	18.4	12.0	8.0
47.5°	3.2	4.8	11.2	4.8	3.2
50°	3.2	2.4	5.6	2.4	2.4
52.5°	2.4	2.4	3.2	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	1.6	2.4	2.4	2.4	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	0.8	1.6	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
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)