

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: P1312451

Luminaire Tested: LDSQA3D09R559050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

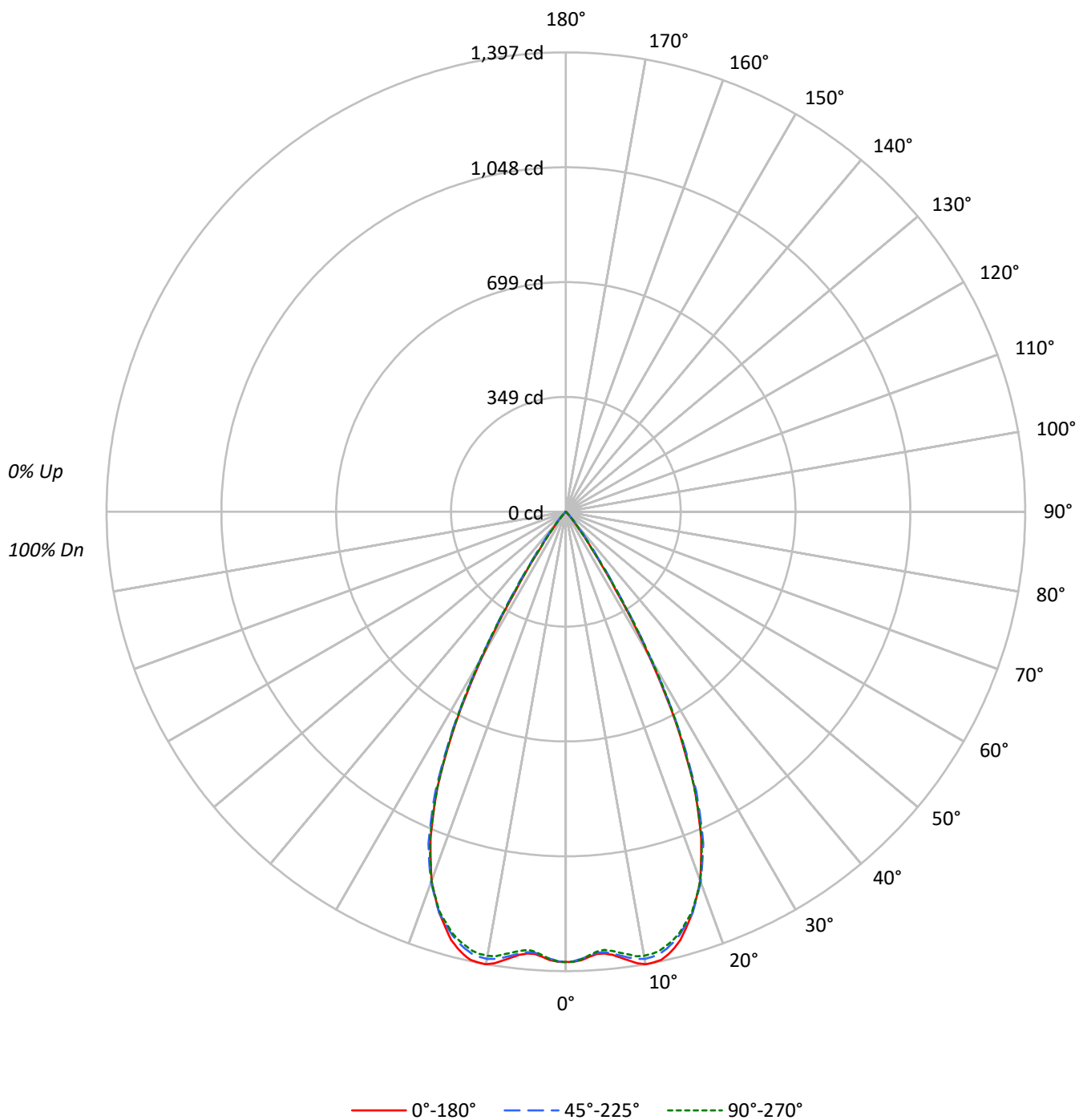
Lumens per Lamp: N/A
Luminaire Lumens: 1041.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	235824	235824	235824
5°	233129	232438	231193
10°	244359	241421	239742
15°	240292	237725	236869
20°	218868	219747	219014
25°	175585	178321	175585
30°	100785	103331	104126
35°	28740	34627	29581
40°	7374	10612	7554
45°	779	3702	585
50°	0	643	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: 3702 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	12.5
10°-20°	371.0	35.6
20°-30°	408.6	39.3
30°-40°	122.0	11.7
40°-50°	9.4	0.9
50°-60°	0.1	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°	909.6	87.4
0°-40°	1031.6	99.1
0°-60°	1041.0	100.0
0°-90°	1041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1041.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1369	1369	1369	1369	1369	
5°	1348	1346	1344	1339	1337	131
15°	1348	1338	1333	1328	1328	374
25°	924	924	938	937	924	405
35°	137	146	165	150	141	113
45°	3	8	15	8	2	6
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°	1369.3	1369.3	1369.3	1369.3	1369.3
1°	1368.5	1368.5	1366.9	1366.1	1368.5
2°	1364.5	1364.5	1360.5	1359.7	1362.1
3°	1355.7	1354.9	1351.7	1349.3	1350.9
4°	1348.5	1346.9	1344.5	1340.5	1341.3
5°	1348.5	1346.1	1344.5	1338.9	1337.3
6°	1354.9	1353.3	1350.1	1344.5	1342.9
7°	1366.1	1362.9	1359.7	1352.5	1350.9
8°	1378.1	1375.7	1369.3	1362.1	1358.9
9°	1390.1	1384.5	1376.5	1369.3	1368.5
10°	1397.3	1389.3	1380.5	1371.7	1370.9
11°	1396.5	1389.3	1378.9	1370.9	1370.1
12°	1393.3	1382.9	1374.1	1364.5	1365.3
13°	1382.1	1372.5	1363.7	1356.5	1354.9
14°	1366.9	1358.1	1350.1	1342.9	1343.7
15°	1347.7	1338.1	1333.3	1327.7	1328.5
17.5°	1279.7	1277.3	1279.7	1273.4	1275.8
20°	1194.2	1191.8	1199.0	1195.8	1195.0
22.5°	1075.1	1078.3	1091.9	1087.9	1080.7
25°	924.0	924.0	938.4	936.8	924.0
27.5°	727.4	733.0	741.8	745.8	736.2
30°	506.8	519.6	519.6	527.6	523.6
32.5°	283.0	310.1	316.5	320.5	304.5
35°	136.7	145.5	164.7	150.3	140.7
37.5°	65.5	69.5	88.7	71.9	67.1
40°	32.8	37.6	47.2	39.2	33.6
42.5°	13.6	20.0	24.8	20.0	13.6
45°	3.2	8.0	15.2	8.0	2.4
47.5°	0.0	0.8	7.2	1.6	0.0
50°	0.0	0.0	2.4	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)