

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: P1309138

Luminaire Tested: LDSQA3D09R559030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309138
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: LDSQA3D09R559030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

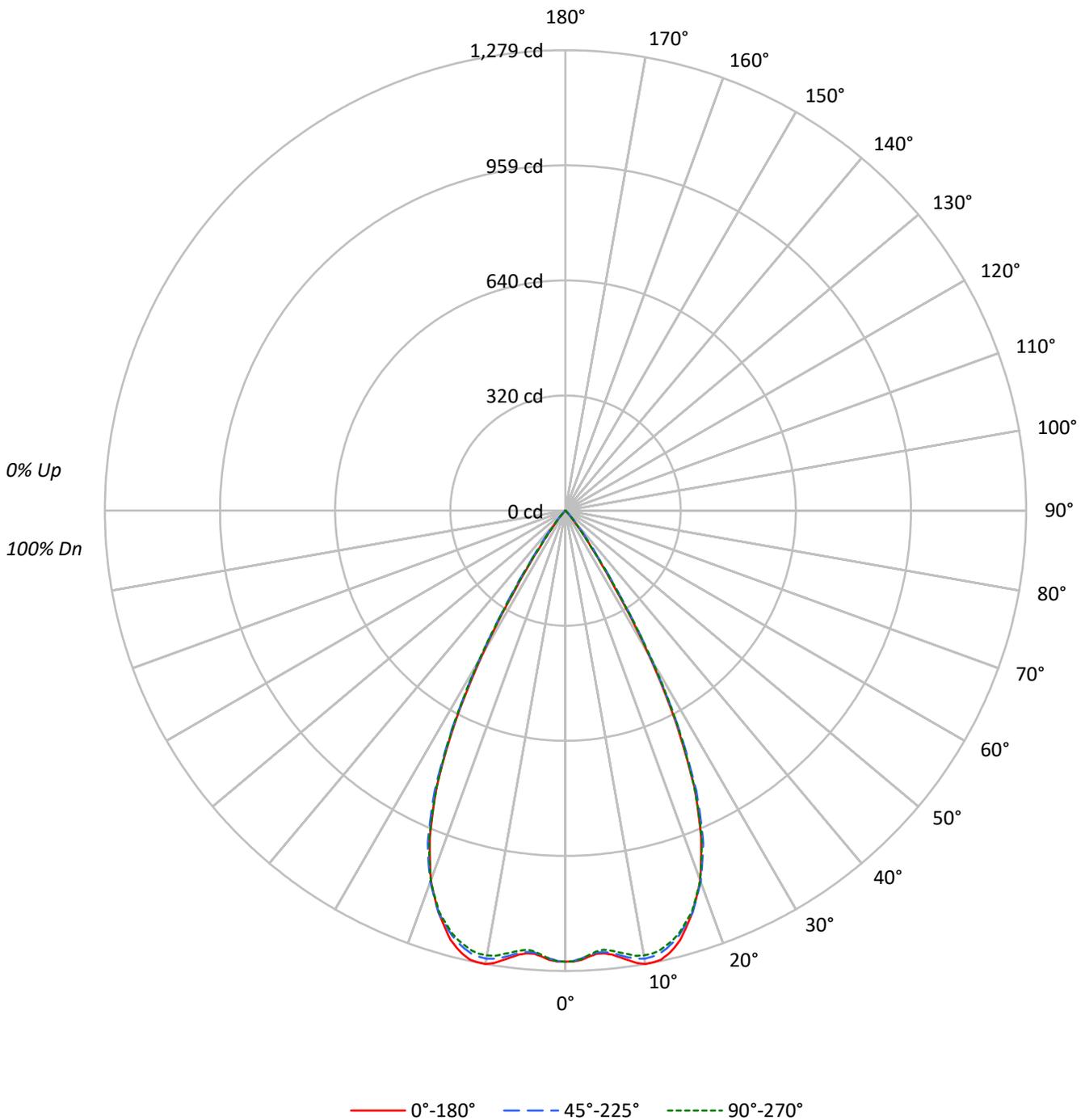
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 953.0 lumens
Efficiency: N/A
Efficacy: 85.9 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			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	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	215881	215881	215881
5°	213421	212781	211658
10°	223688	221013	219474
15°	219984	217631	216846
20°	200375	201182	200503
25°	160744	163252	160744
30°	92254	94600	95316
35°	26302	31684	27080
40°	6745	9712	6902
45°	706	3385	536
50°	0	589	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: 3385 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	12.5
10°-20°	339.6	35.6
20°-30°	374.1	39.3
30°-40°	111.7	11.7
40°-50°	8.6	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°	832.7	87.4
0°-40°	944.4	99.1
0°-60°	953.0	100.0
0°-90°	953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1234	1232	1231	1226	1224	120
15°	1234	1225	1221	1216	1216	342
25°	846	846	859	858	846	370
35°	125	133	151	138	129	103
45°	3	7	14	7	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1253.5	1253.5	1253.5	1253.5	1253.5
1°	1252.8	1252.8	1251.3	1250.6	1252.8
2°	1249.1	1249.1	1245.5	1244.7	1246.9
3°	1241.1	1240.4	1237.4	1235.2	1236.7
4°	1234.5	1233.0	1230.8	1227.2	1227.9
5°	1234.5	1232.3	1230.8	1225.7	1224.3
6°	1240.4	1238.9	1236.0	1230.8	1229.4
7°	1250.6	1247.7	1244.7	1238.2	1236.7
8°	1261.6	1259.4	1253.5	1246.9	1244.0
9°	1272.6	1267.4	1260.1	1253.5	1252.8
10°	1279.1	1271.8	1263.8	1255.7	1255.0
11°	1278.4	1271.8	1262.3	1255.0	1254.3
12°	1275.5	1266.0	1257.9	1249.1	1249.9
13°	1265.2	1256.5	1248.4	1241.8	1240.4
14°	1251.3	1243.3	1236.0	1229.4	1230.1
15°	1233.8	1225.0	1220.6	1215.5	1216.2
17.5°	1171.6	1169.4	1171.6	1165.7	1167.9
20°	1093.3	1091.1	1097.7	1094.7	1094.0
22.5°	984.2	987.2	999.6	995.9	989.4
25°	845.9	845.9	859.1	857.6	845.9
27.5°	665.9	671.0	679.1	682.7	674.0
30°	463.9	475.7	475.7	483.0	479.3
32.5°	259.0	283.9	289.8	293.4	278.8
35°	125.1	133.2	150.7	137.6	128.8
37.5°	60.0	63.7	81.2	65.9	61.5
40°	30.0	34.4	43.2	35.9	30.7
42.5°	12.4	18.3	22.7	18.3	12.4
45°	2.9	7.3	13.9	7.3	2.2
47.5°	0.0	0.7	6.6	1.5	0.0
50°	0.0	0.0	2.2	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)