

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: P1314531

Luminaire Tested: LDSQA3D09R509730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

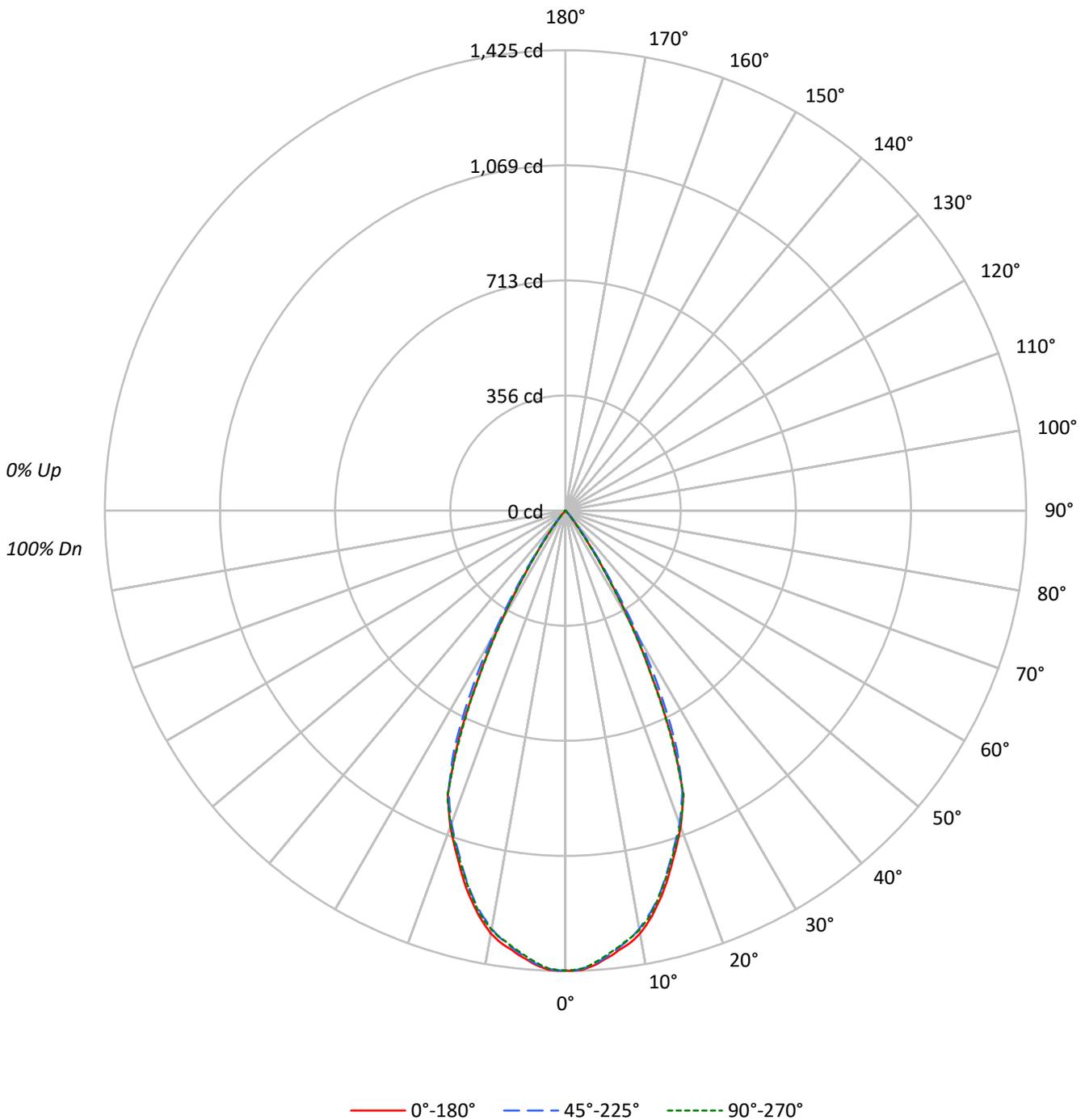
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 917.0 lumens
Efficiency: N/A
Efficacy: 82.6 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				
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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	245245	245245	245245
5°	240961	240287	239612
10°	232397	229879	230334
15°	213779	211105	211675
20°	190900	189104	190185
25°	148582	154815	146948
30°	80481	89867	79049
35°	25377	30191	24830
40°	5598	7824	5306
45°	170	2387	170
50°	0	348	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: 2387 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	14.2
10°-20°	331.5	36.1
20°-30°	349.1	38.1
30°-40°	99.7	10.9
40°-50°	6.2	0.7
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°	811.1	88.4
0°-40°	910.8	99.3
0°-60°	917.0	100.0
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1424	1424	1424	1424	1424	
5°	1394	1392	1390	1389	1386	131
15°	1199	1191	1184	1186	1187	334
25°	782	811	815	806	773	342
35°	121	129	144	122	118	94
45°	1	3	10	3	1	4
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°	1424.0	1424.0	1424.0	1424.0	1424.0
1°	1424.7	1425.3	1424.0	1425.3	1422.1
2°	1422.7	1421.4	1420.1	1420.7	1418.8
3°	1415.5	1414.8	1412.2	1412.9	1410.2
4°	1406.3	1404.3	1402.4	1401.1	1398.4
5°	1393.8	1392.5	1389.9	1388.6	1386.0
6°	1383.4	1380.7	1376.1	1374.8	1372.2
7°	1369.6	1368.3	1362.4	1361.1	1359.7
8°	1359.1	1355.1	1347.9	1348.6	1345.3
9°	1345.3	1340.1	1332.8	1332.8	1333.5
10°	1328.9	1321.0	1314.5	1316.4	1317.1
11°	1307.3	1302.0	1292.2	1296.8	1296.8
12°	1283.7	1277.1	1269.9	1273.8	1276.4
13°	1256.1	1250.9	1244.3	1248.2	1246.9
14°	1229.2	1219.4	1214.8	1220.0	1218.1
15°	1199.0	1191.2	1184.0	1185.9	1187.2
17.5°	1118.4	1109.8	1104.6	1105.2	1111.1
20°	1041.6	1038.3	1031.8	1034.4	1037.7
22.5°	951.1	952.4	944.5	946.5	954.4
25°	781.9	810.7	814.7	805.5	773.3
27.5°	579.2	622.5	635.6	614.6	575.2
30°	404.7	416.5	451.9	411.9	397.5
32.5°	237.4	255.2	274.2	246.6	236.8
35°	120.7	129.2	143.6	122.0	118.1
37.5°	55.8	59.7	65.6	55.8	52.5
40°	24.9	29.5	34.8	28.2	23.6
42.5°	7.9	13.8	18.4	12.5	7.2
45°	0.7	3.3	9.8	3.3	0.7
47.5°	0.0	0.7	3.9	0.7	0.0
50°	0.0	0.0	1.3	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)