

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: P1316822

Luminaire Tested: LDSQA3D17R709740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

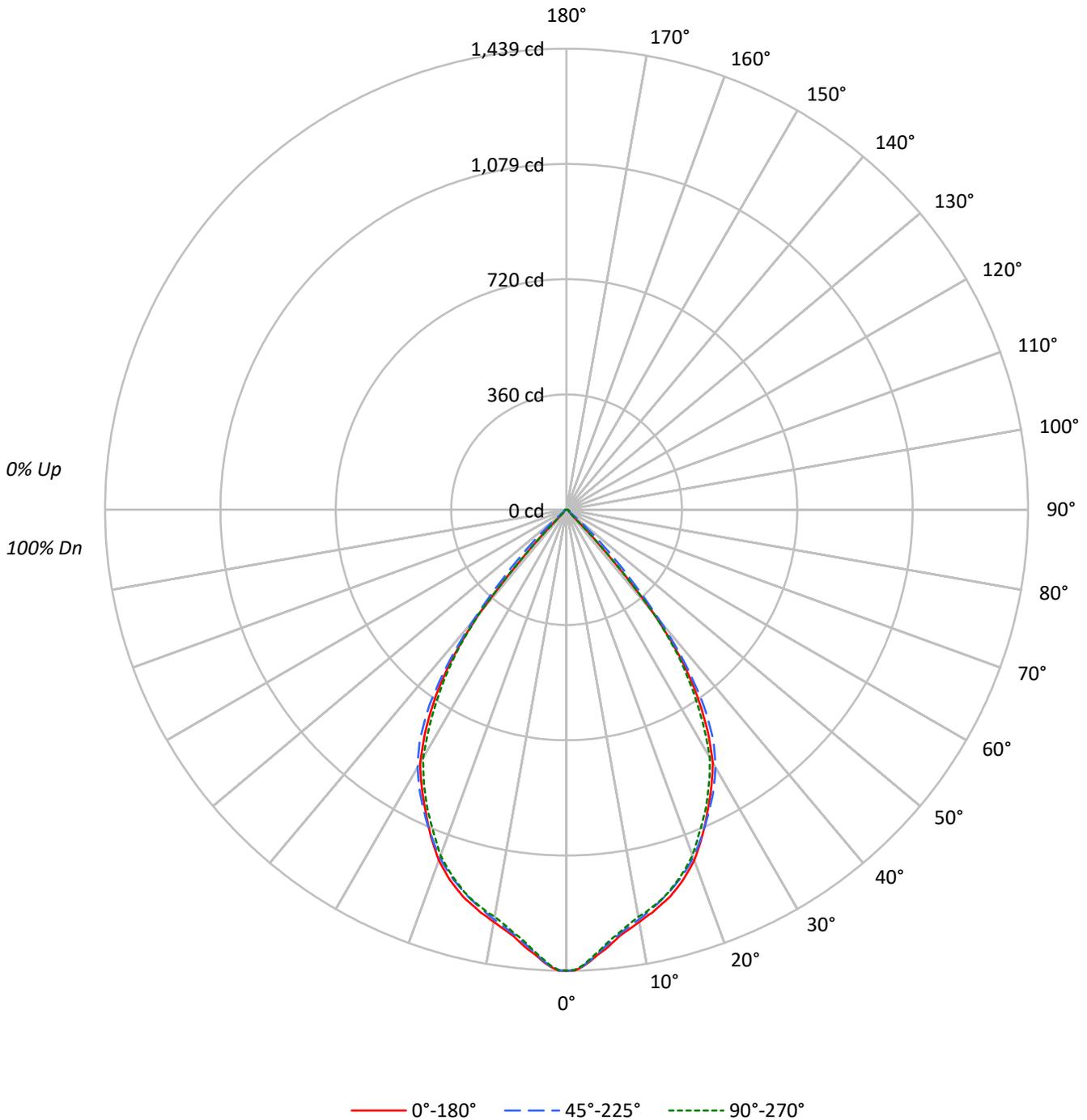
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1534.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	247777	247777	247777
5°	238160	236864	235999
10°	228480	227168	225647
15°	222730	220287	220055
20°	213406	211812	210437
25°	197571	198996	195214
30°	181485	184706	177766
35°	149673	156738	143892
40°	95301	102586	95301
45°	6674	44328	7282
50°	3001	9029	3001
55°	3363	3363	3363
60°	3444	3444	3444
65°	3056	3545	3056
70°	3122	3777	3122
75°	3327	3327	3327
80°	3670	3670	3670
85°	2371	4940	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 44328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	8.4
10°-20°	347.6	22.7
20°-30°	477.7	31.1
30°-40°	437.6	28.5
40°-50°	116.1	7.6
50°-60°	10.4	0.7
60°-70°	8.5	0.6
70°-80°	5.6	0.4
80°-90°	2.1	0.1
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°	953.7	62.2
0°-40°	1391.3	90.7
0°-60°	1517.8	98.9
0°-90°	1534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1439	1439	1439	1439	1439	
5°	1378	1371	1370	1368	1365	129
15°	1249	1238	1236	1236	1234	350
25°	1040	1044	1047	1035	1027	478
35°	712	723	746	712	684	432
45°	27	94	182	95	30	82
55°	11	11	11	11	11	10
65°	8	9	9	9	8	8
75°	5	5	5	5	5	5
85°	1	2	2	2	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1438.7	1438.7	1438.7	1438.7	1438.7
1°	1438.7	1436.2	1438.7	1438.7	1436.2
2°	1427.5	1425.0	1426.2	1425.0	1423.7
3°	1411.2	1407.5	1408.8	1406.3	1403.8
4°	1392.5	1388.8	1388.8	1387.6	1385.1
5°	1377.6	1371.4	1370.1	1367.6	1365.1
6°	1360.1	1353.9	1352.7	1348.9	1346.4
7°	1342.7	1337.7	1336.4	1331.5	1331.5
8°	1329.0	1322.7	1322.7	1316.5	1316.5
9°	1317.7	1310.3	1310.3	1305.3	1302.8
10°	1306.5	1299.0	1299.0	1292.8	1290.3
11°	1295.3	1289.1	1286.6	1282.8	1281.6
12°	1285.3	1276.6	1274.1	1272.9	1270.4
13°	1272.9	1264.1	1261.6	1260.4	1259.2
14°	1261.6	1250.4	1249.2	1246.7	1247.9
15°	1249.2	1238.0	1235.5	1235.5	1234.2
17.5°	1210.5	1203.1	1199.3	1196.8	1194.3
20°	1164.4	1158.2	1155.7	1150.7	1148.2
22.5°	1104.6	1103.3	1102.1	1095.8	1085.9
25°	1039.7	1043.5	1047.2	1034.7	1027.3
27.5°	977.4	987.4	991.1	978.6	962.4
30°	912.6	921.3	928.8	911.3	893.9
32.5°	819.1	840.3	851.5	831.5	791.6
35°	711.9	723.1	745.5	711.9	684.4
37.5°	587.2	593.4	610.9	588.4	569.7
40°	423.9	442.6	456.3	442.6	423.9
42.5°	190.7	266.8	301.7	281.8	199.5
45°	27.4	93.5	182.0	94.7	29.9
47.5°	11.2	15.0	94.7	13.7	11.2
50°	11.2	11.2	33.7	11.2	11.2
52.5°	11.2	11.2	12.5	11.2	11.2
55°	11.2	11.2	11.2	11.2	11.2
57.5°	10.0	10.0	11.2	10.0	10.0
60°	10.0	10.0	10.0	10.0	10.0
62.5°	8.7	10.0	10.0	10.0	8.7
65°	7.5	8.7	8.7	8.7	7.5
67.5°	7.5	7.5	7.5	7.5	7.5
70°	6.2	7.5	7.5	7.5	6.2
72.5°	6.2	6.2	6.2	6.2	6.2
75°	5.0	5.0	5.0	5.0	5.0
77.5°	3.7	5.0	5.0	5.0	3.7
80°	3.7	3.7	3.7	3.7	3.7
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	2.5	2.5	2.5	1.2
87.5°	1.2	1.2	1.2	1.2	1.2



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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)