

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: P1311722

Luminaire Tested: LDSQA3D17R709040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311722
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: LDSQA3D17R709040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

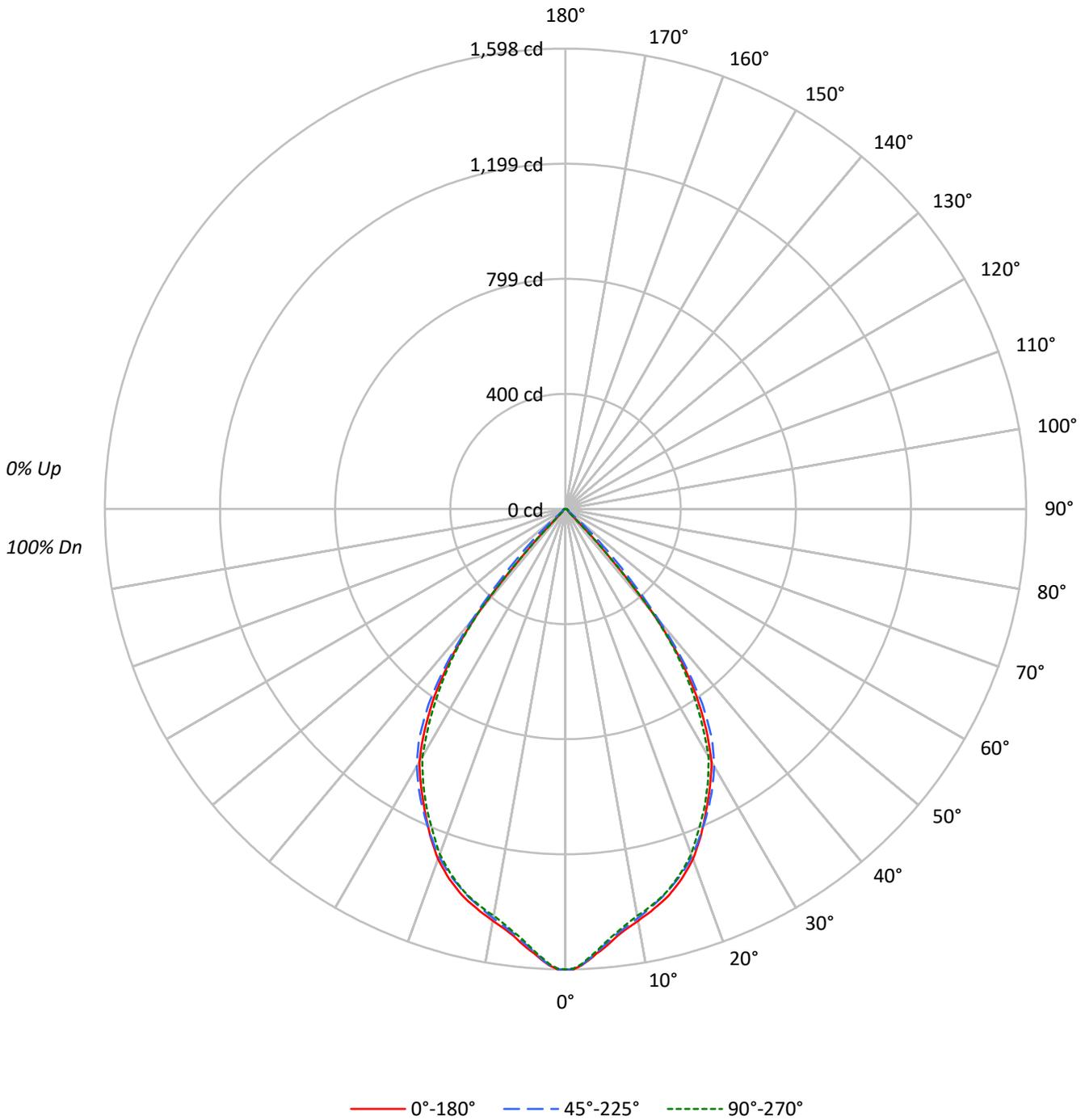
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1704.0 lumens
Efficiency: N/A
Efficacy: 80.4 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

TEST NUMBER: P1311722
CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MW

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	75	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°	275229	275229	275229
5°	264559	263107	262156
10°	253803	252351	250655
15°	247406	244696	244447
20°	237049	235289	233750
25°	219481	221058	216839
30°	201590	205170	197454
35°	166241	174104	159849
40°	105846	113962	105846
45°	7429	49248	8086
50°	3349	10021	3349
55°	3753	3753	3753
60°	3823	3823	3823
65°	3382	3953	3382
70°	3474	4179	3474
75°	3660	3660	3660
80°	4166	4166	4166
85°	2766	5533	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 49248 cd/sqm



TEST NUMBER: P1311722

CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	8.4
10°-20°	386.1	22.7
20°-30°	530.7	31.1
30°-40°	486.1	28.5
40°-50°	129.0	7.6
50°-60°	11.5	0.7
60°-70°	9.4	0.6
70°-80°	6.2	0.4
80°-90°	2.4	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°	1059.4	62.2
0°-40°	1545.5	90.7
0°-60°	1686.0	98.9
0°-90°	1704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1598	1598	1598	1598	1598	
5°	1530	1523	1522	1519	1516	143
15°	1388	1375	1372	1372	1371	389
25°	1155	1159	1163	1149	1141	531
35°	791	803	828	791	760	480
45°	30	104	202	105	33	92
55°	12	12	12	12	12	11
65°	8	10	10	10	8	9
75°	6	6	6	6	6	6
85°	1	3	3	3	1	2
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1598.1	1598.1	1598.1	1598.1	1598.1
1°	1598.1	1595.3	1598.1	1598.1	1595.3
2°	1585.6	1582.9	1584.3	1582.9	1581.5
3°	1567.6	1563.5	1564.9	1562.1	1559.3
4°	1546.9	1542.7	1542.7	1541.3	1538.6
5°	1530.3	1523.3	1521.9	1519.2	1516.4
6°	1510.9	1503.9	1502.6	1498.4	1495.6
7°	1491.5	1485.9	1484.6	1479.0	1479.0
8°	1476.2	1469.3	1469.3	1462.4	1462.4
9°	1463.8	1455.5	1455.5	1449.9	1447.2
10°	1451.3	1443.0	1443.0	1436.1	1433.3
11°	1438.9	1431.9	1429.2	1425.0	1423.6
12°	1427.8	1418.1	1415.3	1413.9	1411.2
13°	1413.9	1404.2	1401.5	1400.1	1398.7
14°	1401.5	1389.0	1387.6	1384.8	1386.2
15°	1387.6	1375.2	1372.4	1372.4	1371.0
17.5°	1344.7	1336.4	1332.2	1329.5	1326.7
20°	1293.4	1286.5	1283.8	1278.2	1275.4
22.5°	1227.0	1225.6	1224.2	1217.3	1206.2
25°	1155.0	1159.1	1163.3	1149.4	1141.1
27.5°	1085.7	1096.8	1101.0	1087.1	1069.1
30°	1013.7	1023.4	1031.7	1012.3	992.9
32.5°	909.8	933.4	945.8	923.7	879.4
35°	790.7	803.2	828.1	790.7	760.3
37.5°	652.3	659.2	678.6	653.6	632.9
40°	470.8	491.6	506.9	491.6	470.8
42.5°	211.9	296.4	335.1	313.0	221.6
45°	30.5	103.9	202.2	105.2	33.2
47.5°	12.5	16.6	105.2	15.2	12.5
50°	12.5	12.5	37.4	12.5	12.5
52.5°	12.5	12.5	13.8	12.5	12.5
55°	12.5	12.5	12.5	12.5	12.5
57.5°	11.1	11.1	12.5	11.1	11.1
60°	11.1	11.1	11.1	11.1	11.1
62.5°	9.7	11.1	11.1	11.1	9.7
65°	8.3	9.7	9.7	9.7	8.3
67.5°	8.3	8.3	8.3	8.3	8.3
70°	6.9	8.3	8.3	8.3	6.9
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.5	5.5	5.5	5.5	5.5
77.5°	4.2	5.5	5.5	5.5	4.2
80°	4.2	4.2	4.2	4.2	4.2
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	2.8	2.8	2.8	1.4
87.5°	1.4	1.4	1.4	1.4	1.4



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CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)