

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: P1312799

Luminaire Tested: LDSQA3D17R709050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312799
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: LDSQA3D17R709050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

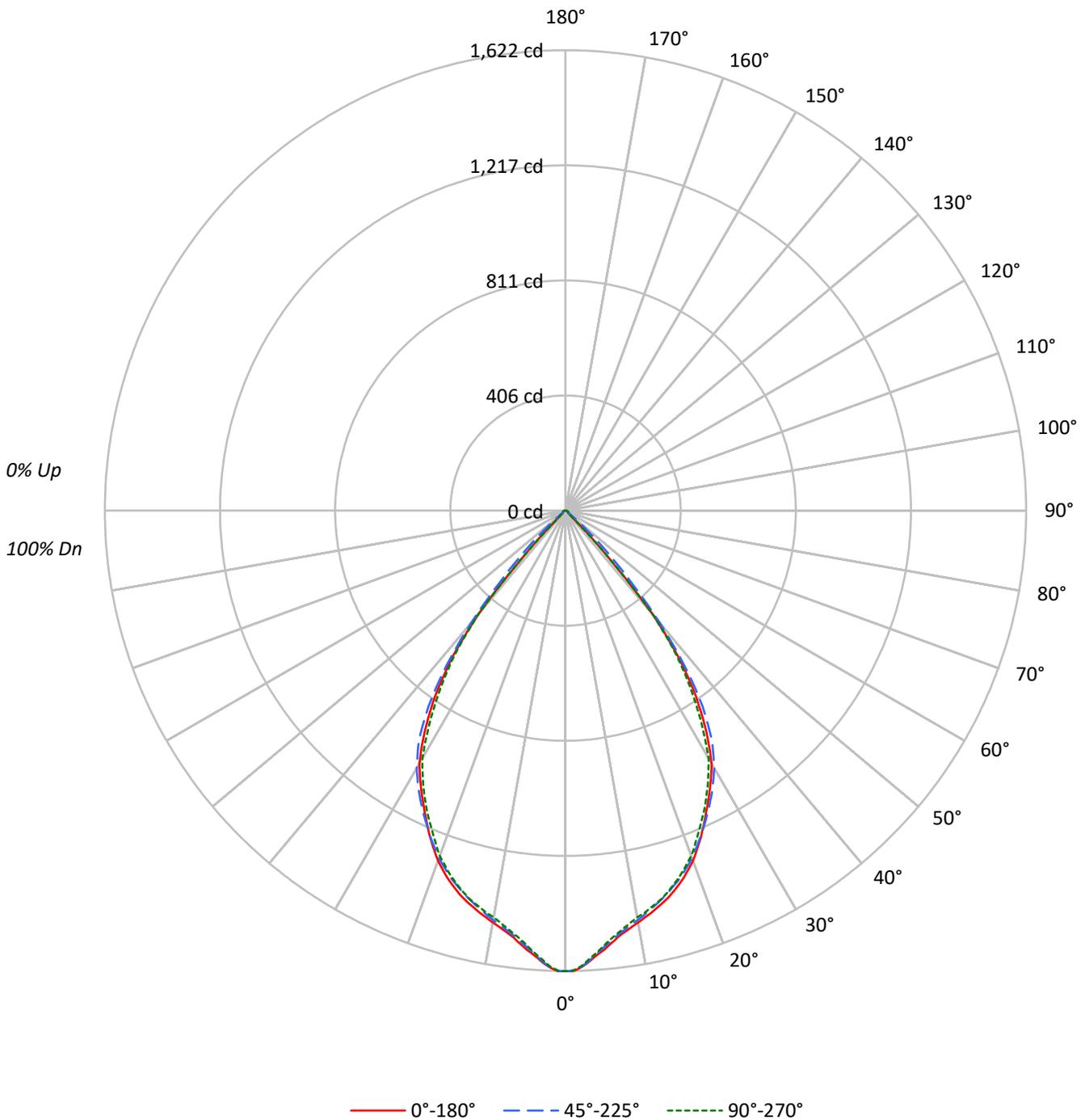
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1729.9 lumens
Efficiency: N/A
Efficacy: 81.6 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	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79	79	79	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	279431	279431	279431
5°	268587	267135	266150
10°	257685	256198	254485
15°	251186	248423	248173
20°	240677	238863	237323
25°	222825	224421	220146
30°	204672	208312	200476
35°	168785	176774	162288
40°	107464	115693	107464
45°	7526	50003	8208
50°	3403	10181	3403
55°	3813	3813	3813
60°	3858	3858	3858
65°	3423	3994	3423
70°	3525	4230	3525
75°	3726	3726	3726
80°	4166	4166	4166
85°	2766	5533	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 50003 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	8.4
10°-20°	392.0	22.7
20°-30°	538.8	31.1
30°-40°	493.5	28.5
40°-50°	131.0	7.6
50°-60°	11.7	0.7
60°-70°	9.5	0.5
70°-80°	6.3	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°	1075.6	62.2
0°-40°	1569.1	90.7
0°-60°	1711.8	98.9
0°-90°	1729.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1729.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1622	1622	1622	1622	1622	
5°	1554	1547	1545	1542	1540	146
15°	1409	1396	1393	1393	1392	395
25°	1173	1177	1181	1167	1158	539
35°	803	816	841	803	772	487
45°	31	105	205	107	34	93
55°	13	13	13	13	13	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1622.5	1622.5	1622.5	1622.5	1622.5
1°	1622.5	1619.7	1622.5	1622.5	1619.7
2°	1609.8	1607.0	1608.4	1607.0	1605.6
3°	1591.6	1587.3	1588.8	1585.9	1583.1
4°	1570.5	1566.3	1566.3	1564.9	1562.0
5°	1553.6	1546.6	1545.2	1542.4	1539.5
6°	1533.9	1526.9	1525.5	1521.3	1518.5
7°	1514.2	1508.6	1507.2	1501.6	1501.6
8°	1498.8	1491.7	1491.7	1484.7	1484.7
9°	1486.1	1477.7	1477.7	1472.1	1469.2
10°	1473.5	1465.0	1465.0	1458.0	1455.2
11°	1460.8	1453.8	1451.0	1446.7	1445.3
12°	1449.6	1439.7	1436.9	1435.5	1432.7
13°	1435.5	1425.7	1422.8	1421.4	1420.0
14°	1422.8	1410.2	1408.8	1406.0	1407.4
15°	1408.8	1396.1	1393.3	1393.3	1391.9
17.5°	1365.2	1356.8	1352.5	1349.7	1346.9
20°	1313.2	1306.2	1303.3	1297.7	1294.9
22.5°	1245.7	1244.3	1242.9	1235.9	1224.6
25°	1172.6	1176.8	1181.0	1167.0	1158.5
27.5°	1102.3	1113.5	1117.8	1103.7	1085.4
30°	1029.2	1039.0	1047.5	1027.8	1008.1
32.5°	923.7	947.6	960.3	937.8	892.8
35°	802.8	815.5	840.8	802.8	771.9
37.5°	662.2	669.2	688.9	663.6	642.5
40°	478.0	499.1	514.6	499.1	478.0
42.5°	215.1	300.9	340.2	317.8	225.0
45°	30.9	105.4	205.3	106.9	33.7
47.5°	12.7	16.9	106.9	15.5	12.7
50°	12.7	12.7	38.0	12.7	12.7
52.5°	12.7	12.7	14.1	12.7	12.7
55°	12.7	12.7	12.7	12.7	12.7
57.5°	11.2	11.2	12.7	11.2	11.2
60°	11.2	11.2	11.2	11.2	11.2
62.5°	9.8	11.2	11.2	11.2	9.8
65°	8.4	9.8	9.8	9.8	8.4
67.5°	8.4	8.4	8.4	8.4	8.4
70°	7.0	8.4	8.4	8.4	7.0
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.6	5.6	5.6	5.6	5.6
77.5°	4.2	5.6	5.6	5.6	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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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)