

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: P1318729

Luminaire Tested: LDSQA3D20R709830D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709830D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

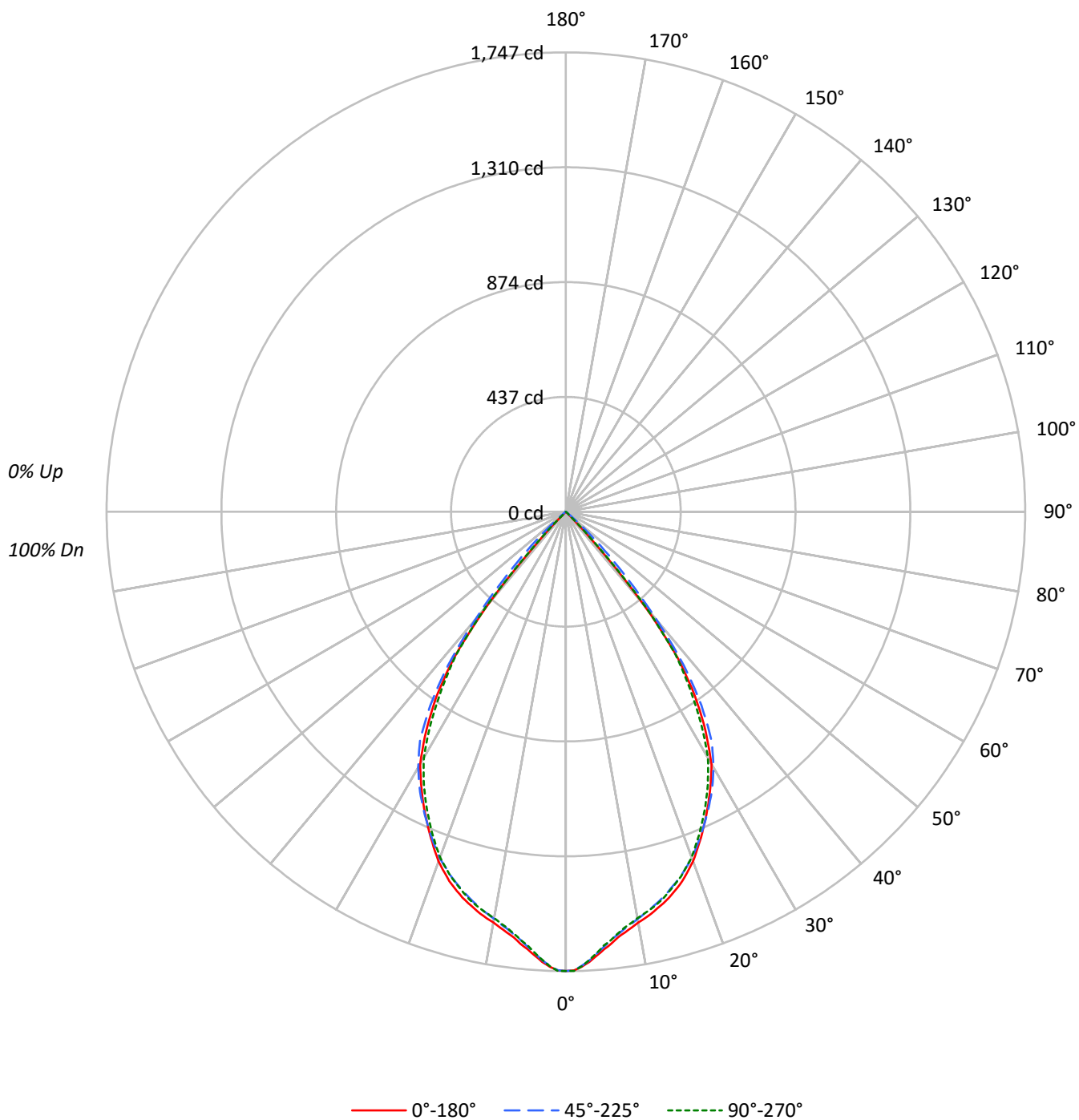
Lumens per Lamp: N/A
Luminaire Lumens: 1807.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	300804	300804	300804
5°	288745	287155	286377
10°	277394	274980	274456
15°	270817	267001	267554
20°	259335	256824	256256
25°	240726	241315	237533
30°	220323	223366	214854
35°	180243	188905	173158
40°	103755	120931	106498
45°	1486	50246	5212
50°	0	5332	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: 50246 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	8.6
10°-20°	422.3	23.4
20°-30°	580.1	32.1
30°-40°	526.0	29.1
40°-50°	122.2	6.8
50°-60°	0.6	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°	1158.2	64.1
0°-40°	1684.1	93.2
0°-60°	1807.0	100.0
0°-90°	1807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1807.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1747	1747	1747	1747	1747	
5°	1670	1666	1661	1658	1656	157
15°	1519	1508	1498	1498	1501	426
25°	1267	1273	1270	1258	1250	581
35°	857	870	898	860	824	515
45°	6	69	206	89	21	74
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1746.6	1746.6	1746.6	1746.6	1746.6
1°	1745.1	1742.0	1743.6	1745.1	1746.6
2°	1731.3	1728.3	1728.3	1729.8	1729.8
3°	1714.5	1708.4	1708.4	1706.9	1706.9
4°	1691.6	1687.0	1684.0	1682.4	1682.4
5°	1670.2	1665.6	1661.0	1658.0	1656.5
6°	1651.9	1644.2	1638.1	1636.6	1638.1
7°	1630.5	1625.9	1619.8	1615.2	1616.7
8°	1615.2	1609.1	1601.5	1598.4	1598.4
9°	1601.5	1595.3	1587.7	1581.6	1584.6
10°	1586.2	1580.1	1572.4	1567.8	1569.4
11°	1575.5	1567.8	1558.7	1555.6	1557.1
12°	1563.2	1554.1	1544.9	1543.4	1546.4
13°	1548.0	1538.8	1529.6	1529.6	1532.7
14°	1534.2	1523.5	1514.3	1514.3	1518.9
15°	1518.9	1508.2	1497.5	1497.5	1500.6
17.5°	1473.1	1463.9	1453.2	1453.2	1454.8
20°	1415.0	1410.4	1401.3	1396.7	1398.2
22.5°	1341.7	1341.7	1337.1	1329.4	1326.4
25°	1266.8	1272.9	1269.9	1257.6	1250.0
27.5°	1188.9	1199.6	1201.1	1182.8	1169.0
30°	1107.9	1117.0	1123.2	1101.8	1080.4
32.5°	988.7	1016.2	1031.5	1002.4	958.1
35°	857.3	869.5	898.5	860.3	823.6
37.5°	696.8	712.1	736.5	706.0	684.6
40°	461.5	522.6	537.9	522.6	473.7
42.5°	166.6	293.4	353.0	299.5	195.6
45°	6.1	68.8	206.3	88.6	21.4
47.5°	0.0	1.5	93.2	3.1	0.0
50°	0.0	0.0	19.9	0.0	0.0
52.5°	0.0	0.0	1.5	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)