

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: P1316997

Luminaire Tested: LDSQA3D02R159827DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159827DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

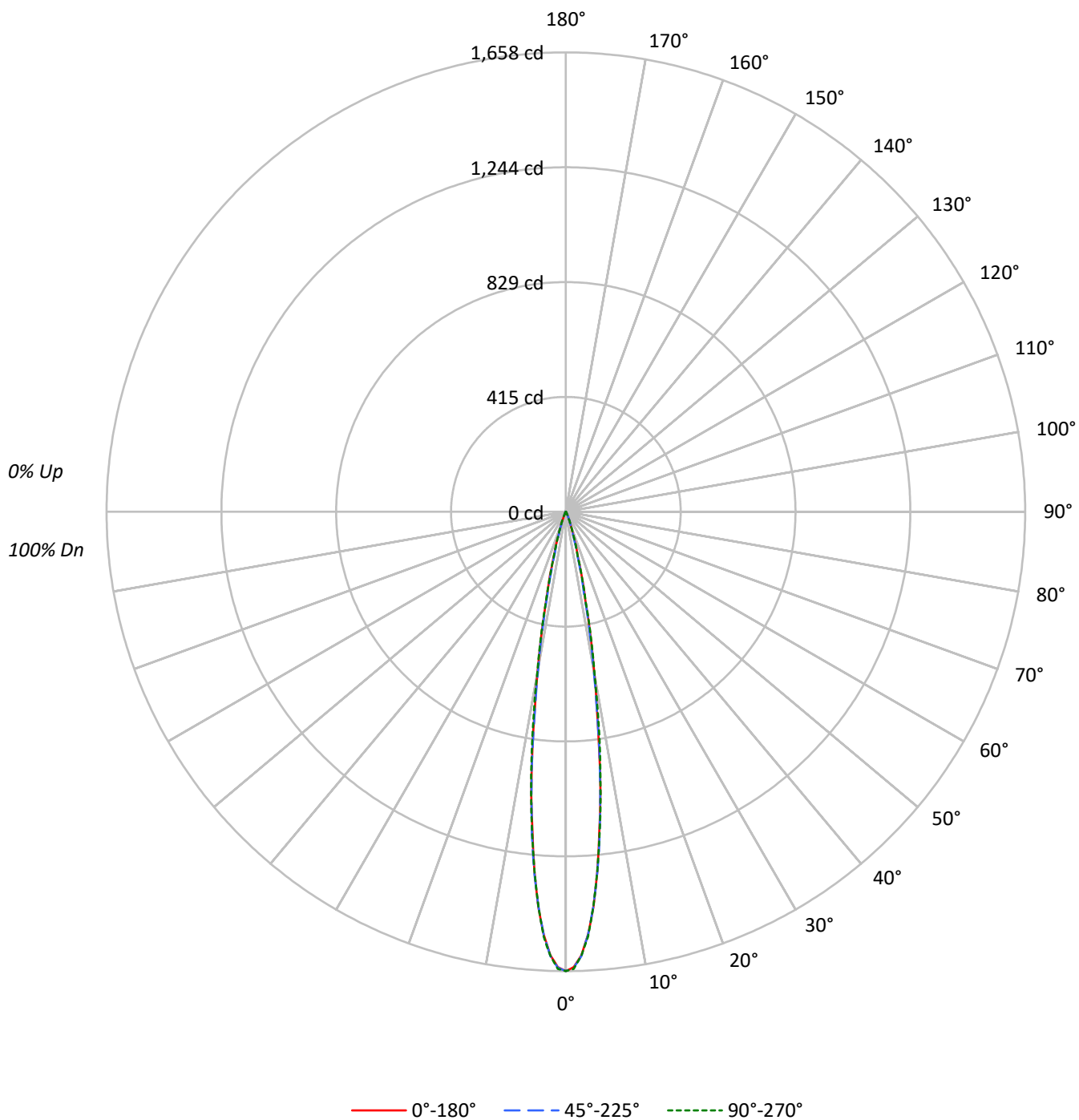
Lumens per Lamp: N/A
Luminaire Lumens: 166.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	285511	285511	285511
5°	225211	225817	225021
10°	103039	100346	105207
15°	30632	27351	30008
20°	9090	8816	9549
25°	2584	3344	3002
30°	915	994	895
35°	357	315	315
40°	157	67	112
45°	73	49	73
50°	54	0	54
55°	60	0	60
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: 0°
Vertical Angle: 47.5°
Luminance: 76 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	60.3
10°-20°	55.6	33.5
20°-30°	8.9	5.3
30°-40°	1.2	0.7
40°-50°	0.2	0.1
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°	164.6	99.2
0°-40°	165.8	99.9
0°-60°	166.0	100.0
0°-90°	166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1658	1658	1658	1658	1658	
5°	1303	1314	1306	1301	1302	100
15°	172	170	153	163	168	57
25°	14	15	18	18	16	8
35°	2	2	2	2	2	1
45°	0	0	0	0	0	0
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1657.8	1657.8	1657.8	1657.8	1657.8	1657.8	1657.8	1657.8	1657.8	1657.8	1657.8
1°	1643.6	1645.4	1647.7	1645.6	1643.6	1645.4	1642.9	1643.2	1641.2	1645.6	1650.4
2°	1601.7	1604.0	1602.7	1599.7	1604.4	1604.7	1599.6	1597.1	1596.7	1601.1	1602.7
3°	1527.7	1533.0	1533.2	1532.2	1530.7	1527.7	1522.4	1525.9	1521.0	1518.0	1535.0
4°	1429.2	1433.9	1439.4	1435.7	1424.7	1425.7	1429.2	1417.4	1418.1	1424.9	1425.4
5°	1302.7	1316.8	1317.5	1312.4	1303.7	1306.2	1303.7	1300.4	1301.6	1305.9	1301.6
6°	1153.8	1169.7	1158.0	1169.3	1166.8	1169.9	1170.7	1167.3	1169.7	1167.1	1166.3
7°	1025.1	1013.0	1014.7	1010.0	1015.0	1018.3	1020.3	1014.4	1019.2	1026.8	1029.0
8°	865.6	862.1	858.6	866.9	864.6	868.6	871.1	877.7	877.4	879.7	887.4
9°	713.7	718.8	722.0	714.7	721.0	708.7	713.0	730.8	726.2	730.8	744.4
10°	589.2	593.3	588.7	588.5	581.9	573.8	573.3	579.9	593.8	604.8	601.6
12.5°	325.1	328.7	329.2	328.9	316.9	303.5	306.0	311.3	319.9	323.6	329.5
15°	171.8	171.7	173.5	168.3	162.0	153.4	154.1	161.4	167.8	169.5	168.3
17.5°	88.2	88.5	89.8	88.5	81.8	82.7	84.5	85.3	89.2	90.6	89.8
20°	49.6	49.8	49.6	50.1	47.5	48.1	50.5	50.6	51.5	52.3	52.1
22.5°	28.4	28.6	29.6	29.2	28.6	29.4	29.9	30.7	31.0	30.7	31.7
25°	13.6	13.8	13.8	15.8	16.8	17.6	17.9	17.6	17.3	15.9	15.8
27.5°	7.8	7.8	8.1	8.3	8.6	10.1	10.0	8.3	7.0	7.0	7.1
30°	4.6	4.5	4.5	4.6	4.8	5.0	4.6	4.5	4.5	4.6	4.5
32.5°	2.8	2.8	2.8	2.7	2.7	2.5	2.5	2.8	2.8	2.8	2.8
35°	1.7	1.7	1.7	1.7	1.5	1.5	1.5	1.7	1.7	1.5	1.5
37.5°	1.0	1.0	1.0	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8
40°	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.5	0.5	0.5	0.5
42.5°	0.5	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3
45°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
47.5°	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)