

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: P1323421

Luminaire Tested: LDSQA3D02R159030D2WDE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323421
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: LDSQA3D02R159030D2WDE010 3LSQPHR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

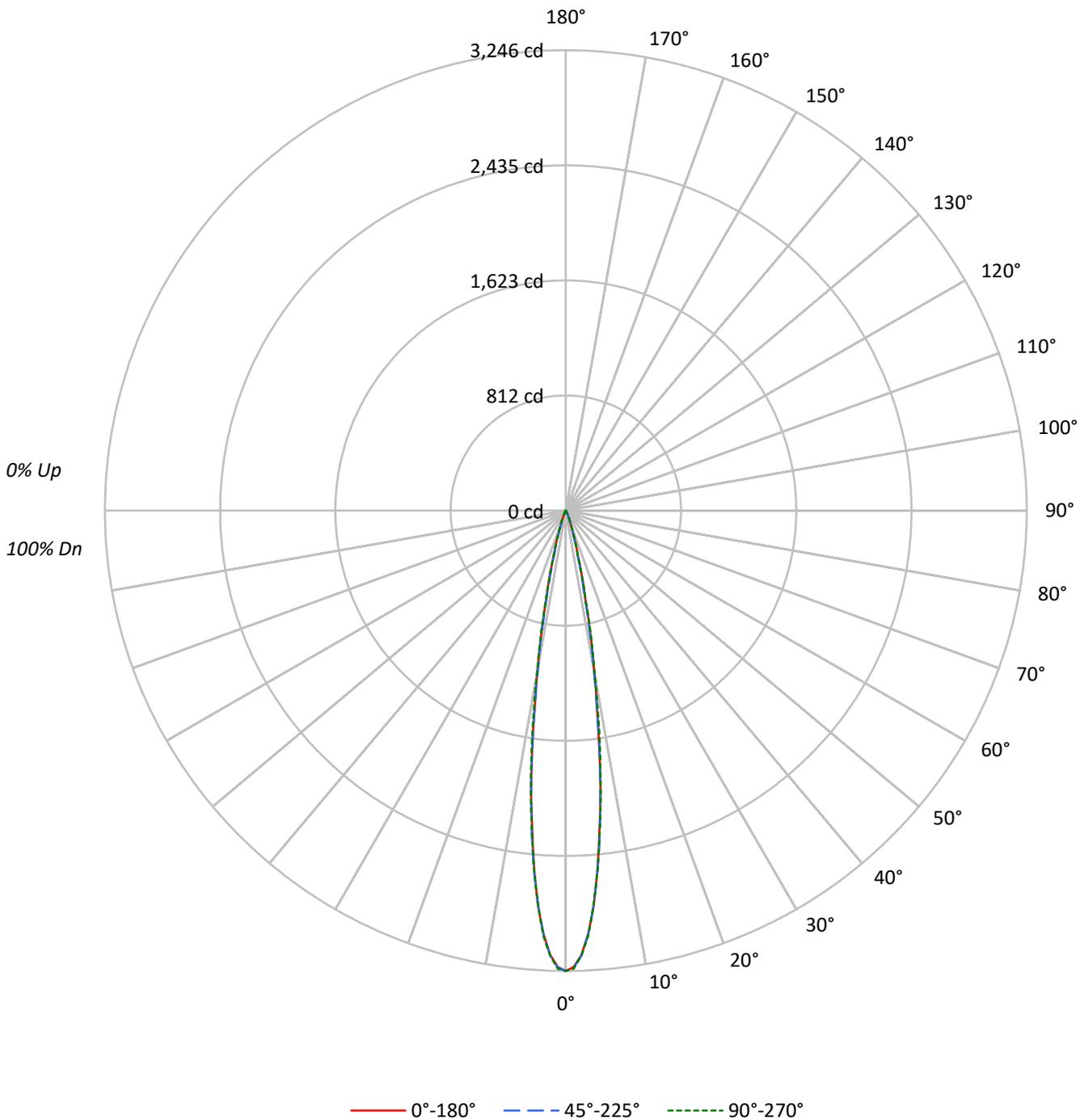
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 325.0 lumens
Efficiency: N/A
Efficacy: 45.1 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): 7.2
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				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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	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	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	559000	559000	559000
5°	440932	442107	440534
10°	201723	196442	205991
15°	59979	53543	58767
20°	17814	17283	18712
25°	5074	6556	5872
30°	1810	1949	1750
35°	694	610	610
40°	292	157	225
45°	170	73	170
50°	80	0	80
55°	90	0	90
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: 178 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	60.3
10°-20°	108.9	33.5
20°-30°	17.3	5.3
30°-40°	2.3	0.7
40°-50°	0.3	0.1
50°-60°	0.1	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°	322.3	99.2
0°-40°	324.6	99.9
0°-60°	325.0	100.0
0°-90°	325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3246	3246	3246	3246	3246	
5°	2550	2572	2557	2547	2548	196
15°	336	332	300	319	330	111
25°	27	30	34	34	31	16
35°	3	3	3	3	3	2
45°	1	0	0	0	1	1
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°	3245.8	3245.8	3245.8	3245.8	3245.8	3245.8	3245.8	3245.8	3245.8	3245.8	3245.8
1°	3217.8	3221.4	3225.9	3221.7	3217.8	3221.4	3216.5	3217.2	3213.3	3221.7	3231.1
2°	3135.9	3140.5	3137.9	3132.0	3141.1	3141.8	3131.7	3126.8	3126.2	3134.6	3137.9
3°	2990.9	3001.3	3001.7	2999.7	2996.8	2990.9	2980.5	2987.4	2977.9	2972.1	3005.2
4°	2798.2	2807.3	2818.0	2810.9	2789.4	2791.4	2798.2	2775.1	2776.4	2789.7	2790.7
5°	2550.5	2578.1	2579.4	2569.4	2552.5	2557.3	2552.5	2546.0	2548.2	2556.7	2548.2
6°	2259.0	2290.2	2267.1	2289.2	2284.3	2290.5	2292.1	2285.3	2290.2	2285.0	2283.3
7°	2007.1	1983.3	1986.6	1977.5	1987.2	1993.7	1997.6	1985.9	1995.4	2010.3	2014.5
8°	1694.7	1687.9	1681.1	1697.3	1692.8	1700.6	1705.4	1718.4	1717.8	1722.3	1737.3
9°	1397.3	1407.4	1413.6	1399.3	1411.6	1387.6	1396.0	1430.8	1421.7	1430.8	1457.4
10°	1153.5	1161.7	1152.6	1152.2	1139.2	1123.3	1122.3	1135.3	1162.6	1184.1	1177.9
12.5°	636.4	643.6	644.5	643.9	620.5	594.2	599.0	609.4	626.3	633.5	645.2
15°	336.4	336.1	339.7	329.6	317.2	300.3	301.6	315.9	328.6	331.9	329.6
17.5°	172.6	173.2	175.8	173.2	160.2	161.9	165.4	167.1	174.5	177.5	175.8
20°	97.2	97.5	97.2	98.2	93.0	94.3	98.8	99.1	100.8	102.4	102.1
22.5°	55.6	55.9	57.9	57.2	55.9	57.5	58.5	60.1	60.8	60.1	62.1
25°	26.7	27.0	27.0	30.9	32.8	34.5	35.1	34.5	33.8	31.2	30.9
27.5°	15.3	15.3	15.9	16.3	16.9	19.8	19.5	16.3	13.7	13.7	14.0
30°	9.1	8.8	8.8	9.1	9.4	9.8	9.1	8.8	8.8	9.1	8.8
32.5°	5.5	5.5	5.5	5.2	5.2	4.9	4.9	5.5	5.5	5.5	5.5
35°	3.3	3.3	3.3	3.3	2.9	2.9	2.9	3.3	3.3	2.9	2.9
37.5°	2.0	2.0	2.0	1.6	1.6	1.3	1.6	1.6	1.6	1.6	1.6
40°	1.3	1.3	1.0	1.0	0.7	0.7	0.7	1.0	1.0	1.0	1.0
42.5°	1.0	1.0	0.7	0.7	0.3	0.3	0.3	0.7	0.7	0.7	0.7
45°	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
47.5°	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
50°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
52.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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	0.3	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)