

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: P1323775

Luminaire Tested: LDSQA3D09R359030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

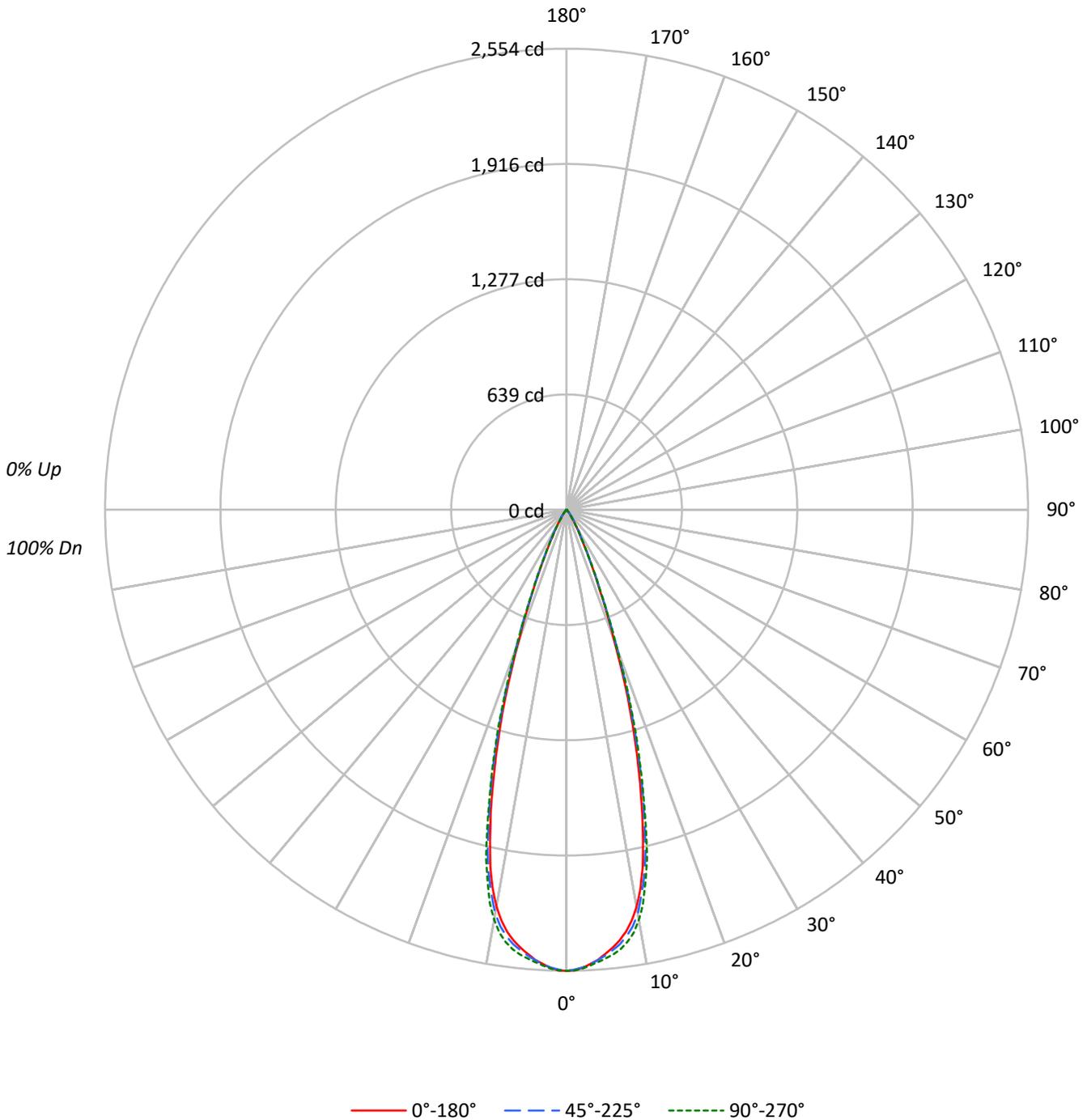
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 858.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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			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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	439908	439908	439908
5°	426877	428398	431285
10°	390488	397274	403359
15°	280302	290554	293550
20°	140994	149223	149589
25°	53435	55089	55336
30°	21696	24898	21299
35°	7884	11963	7611
40°	3305	5126	3170
45°	804	2119	804
50°	536	884	536
55°	601	601	601
60°	689	689	689
65°	530	530	530
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2119 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.9	26.9
10°-20°	430.2	50.1
20°-30°	154.7	18.0
30°-40°	32.5	3.8
40°-50°	5.6	0.7
50°-60°	1.8	0.2
60°-70°	1.3	0.2
70°-80°	0.7	0.1
80°-90°	0.1	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°	815.9	95.1
0°-40°	848.4	98.9
0°-60°	855.9	99.7
0°-90°	858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2554	2554	2554	2554	2554	
5°	2469	2474	2478	2495	2495	229
15°	1572	1600	1630	1647	1646	418
25°	281	285	290	293	291	149
35°	38	44	57	44	36	28
45°	3	5	9	5	3	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2554.3	2554.3	2554.3	2554.3	2554.3
1°	2552.9	2552.9	2547.6	2553.6	2551.6
2°	2538.9	2540.2	2536.9	2544.2	2543.6
3°	2519.5	2522.8	2520.1	2530.8	2527.5
4°	2498.7	2501.4	2500.0	2513.4	2512.1
5°	2469.2	2473.9	2478.0	2494.7	2494.7
6°	2439.1	2443.8	2452.5	2470.6	2476.6
7°	2404.3	2410.3	2424.4	2448.5	2452.5
8°	2360.1	2366.8	2386.2	2412.3	2417.7
9°	2305.2	2315.3	2337.3	2368.8	2372.2
10°	2232.9	2240.9	2271.7	2297.8	2306.5
11°	2139.2	2145.9	2173.3	2215.5	2220.8
12°	2025.3	2033.4	2068.9	2096.3	2101.7
13°	1881.4	1896.8	1939.6	1966.4	1981.2
14°	1733.4	1754.2	1785.0	1823.1	1813.8
15°	1572.1	1599.5	1629.6	1647.1	1646.4
17.5°	1176.4	1192.4	1219.2	1229.3	1242.7
20°	769.3	790.1	814.2	823.5	816.2
22.5°	477.4	482.7	490.1	494.1	492.8
25°	281.2	285.2	289.9	292.6	291.2
27.5°	169.4	178.8	185.5	177.4	172.7
30°	109.1	113.2	125.2	114.5	107.1
32.5°	64.9	74.3	84.4	71.6	62.3
35°	37.5	44.2	56.9	43.5	36.2
37.5°	24.1	27.5	36.8	26.8	23.4
40°	14.7	18.7	22.8	17.4	14.1
42.5°	7.4	11.4	13.4	10.0	7.4
45°	3.3	5.4	8.7	5.4	3.3
47.5°	2.0	2.7	5.4	2.7	2.0
50°	2.0	2.0	3.3	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	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)