

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: P1324102

Luminaire Tested: LDSQA3D17R509030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

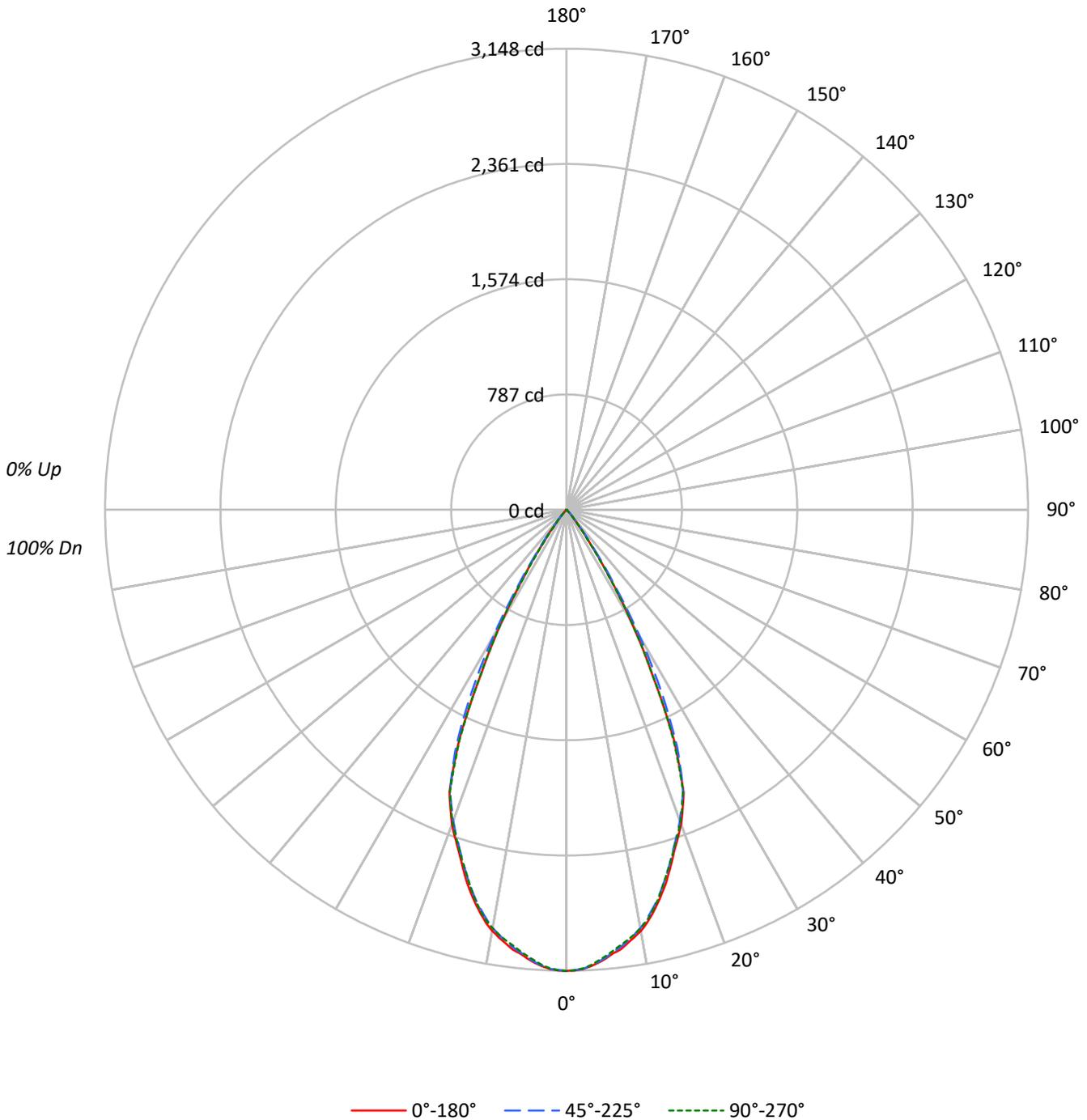
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2028.9 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	542243	542243	542243
5°	531608	530605	529118
10°	510805	507273	507535
15°	468924	464555	464038
20°	418913	414423	416549
25°	329259	338837	326523
30°	176155	197354	176732
35°	57544	67215	54201
40°	14254	17806	13602
45°	1754	6308	1754
50°	1152	1929	1152
55°	1291	1291	1291
60°	999	999	999
65°	1182	1182	1182
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6308 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.9	14.2
10°-20°	728.1	35.9
20°-30°	765.8	37.7
30°-40°	220.7	10.9
40°-50°	17.9	0.9
50°-60°	3.9	0.2
60°-70°	2.8	0.1
70°-80°	1.5	0.1
80°-90°	0.4	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°	1781.8	87.8
0°-40°	2002.5	98.7
0°-60°	2024.3	99.8
0°-90°	2028.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2028.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3148	3148	3148	3148	3148	
5°	3075	3074	3069	3072	3061	289
15°	2630	2613	2606	2606	2603	732
25°	1733	1776	1783	1763	1718	751
35°	274	284	320	274	258	212
45°	7	14	26	14	7	14
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
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°	3148.5	3148.5	3148.5	3148.5	3148.5
1°	3147.0	3149.9	3144.1	3154.2	3145.6
2°	3139.8	3141.2	3138.4	3145.6	3134.0
3°	3122.5	3125.4	3119.6	3125.4	3115.3
4°	3102.4	3102.4	3096.6	3100.9	3088.0
5°	3075.0	3073.6	3069.2	3072.1	3060.6
6°	3046.2	3044.8	3037.5	3037.5	3028.9
7°	3024.6	3014.5	3008.7	3007.3	2998.7
8°	2990.0	2987.1	2975.6	2975.6	2969.9
9°	2955.5	2952.6	2939.6	2942.5	2938.2
10°	2920.9	2910.8	2900.7	2902.2	2902.2
11°	2874.8	2866.2	2851.8	2857.5	2860.4
12°	2820.1	2810.0	2797.0	2808.5	2807.1
13°	2759.6	2750.9	2740.9	2749.5	2746.6
14°	2696.2	2683.2	2674.6	2680.4	2677.5
15°	2630.0	2612.7	2605.5	2605.5	2602.6
17.5°	2444.2	2434.1	2426.9	2422.6	2432.6
20°	2285.7	2277.1	2261.2	2265.6	2272.8
22.5°	2087.0	2085.5	2076.9	2069.7	2078.3
25°	1732.7	1775.9	1783.1	1762.9	1718.3
27.5°	1258.8	1359.6	1395.6	1348.1	1266.0
30°	885.8	933.3	992.4	898.7	888.7
32.5°	534.3	547.3	602.0	537.2	522.8
35°	273.7	283.7	319.7	273.7	257.8
37.5°	128.2	133.9	148.3	128.2	119.5
40°	63.4	70.6	79.2	66.3	60.5
42.5°	27.4	36.0	46.1	34.6	24.5
45°	7.2	14.4	25.9	14.4	7.2
47.5°	4.3	5.8	14.4	5.8	4.3
50°	4.3	4.3	7.2	4.3	4.3
52.5°	4.3	4.3	4.3	4.3	4.3
55°	4.3	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	4.3	4.3	4.3
60°	2.9	4.3	2.9	4.3	2.9
62.5°	2.9	2.9	2.9	2.9	2.9
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	1.4	0.0	1.4	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)