

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: P1324109

Luminaire Tested: LDSQA3D17R559030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559030D2WDE010 3LSQCDR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

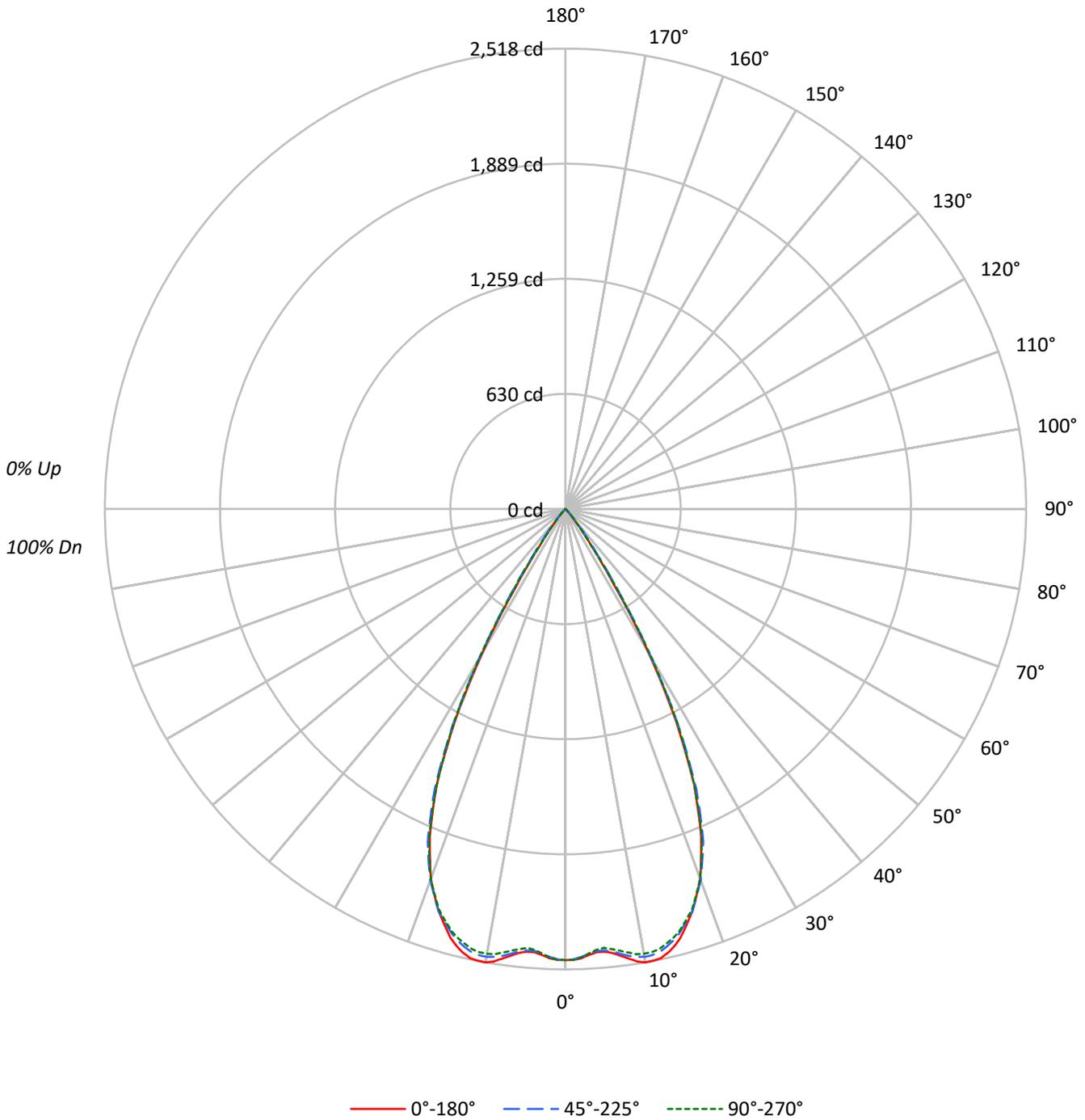
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1876.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	424977	424977	424977
5°	420117	418872	416642
10°	440346	435065	432040
15°	433032	428414	426863
20°	394427	396022	394702
25°	316432	321373	316432
30°	181624	186198	187630
35°	51783	62380	53297
40°	13287	19110	13602
45°	1413	6674	1047
50°	0	1152	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: 6674 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	12.5
10°-20°	668.6	35.6
20°-30°	736.4	39.3
30°-40°	219.8	11.7
40°-50°	16.9	0.9
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°	1639.2	87.4
0°-40°	1859.0	99.1
0°-60°	1876.0	100.0
0°-90°	1876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2430	2426	2423	2413	2410	236
15°	2429	2411	2403	2393	2394	673
25°	1665	1665	1691	1688	1665	729
35°	246	262	297	271	254	204
45°	6	14	27	14	4	11
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°	22.5°	45°	67.5°	90°
0°	2467.6	2467.6	2467.6	2467.6	2467.6
1°	2466.1	2466.1	2463.3	2461.8	2466.1
2°	2458.9	2458.9	2451.7	2450.3	2454.6
3°	2443.1	2441.7	2435.9	2431.6	2434.5
4°	2430.1	2427.3	2422.9	2415.7	2417.2
5°	2430.1	2425.8	2422.9	2412.8	2410.0
6°	2441.7	2438.8	2433.0	2422.9	2420.1
7°	2461.8	2456.1	2450.3	2437.3	2434.5
8°	2483.4	2479.1	2467.6	2454.6	2448.9
9°	2505.0	2495.0	2480.6	2467.6	2466.1
10°	2518.0	2503.6	2487.8	2471.9	2470.5
11°	2516.6	2503.6	2484.9	2470.5	2469.0
12°	2510.8	2492.1	2476.2	2458.9	2460.4
13°	2490.6	2473.3	2457.5	2444.5	2441.7
14°	2463.3	2447.4	2433.0	2420.1	2421.5
15°	2428.7	2411.4	2402.8	2392.7	2394.1
17.5°	2306.3	2301.9	2306.3	2294.7	2299.0
20°	2152.1	2147.8	2160.8	2155.0	2153.6
22.5°	1937.5	1943.2	1967.7	1960.5	1947.6
25°	1665.2	1665.2	1691.2	1688.3	1665.2
27.5°	1310.9	1320.9	1336.8	1344.0	1326.7
30°	913.3	936.3	936.3	950.7	943.5
32.5°	509.9	558.9	570.4	577.6	548.8
35°	246.3	262.2	296.7	270.8	253.5
37.5°	118.1	125.3	159.9	129.6	121.0
40°	59.1	67.7	85.0	70.6	60.5
42.5°	24.5	36.0	44.7	36.0	24.5
45°	5.8	14.4	27.4	14.4	4.3
47.5°	0.0	1.4	13.0	2.9	0.0
50°	0.0	0.0	4.3	0.0	0.0
52.5°	0.0	0.0	0.0	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)