

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: P1326307

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCDR1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQCDR1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

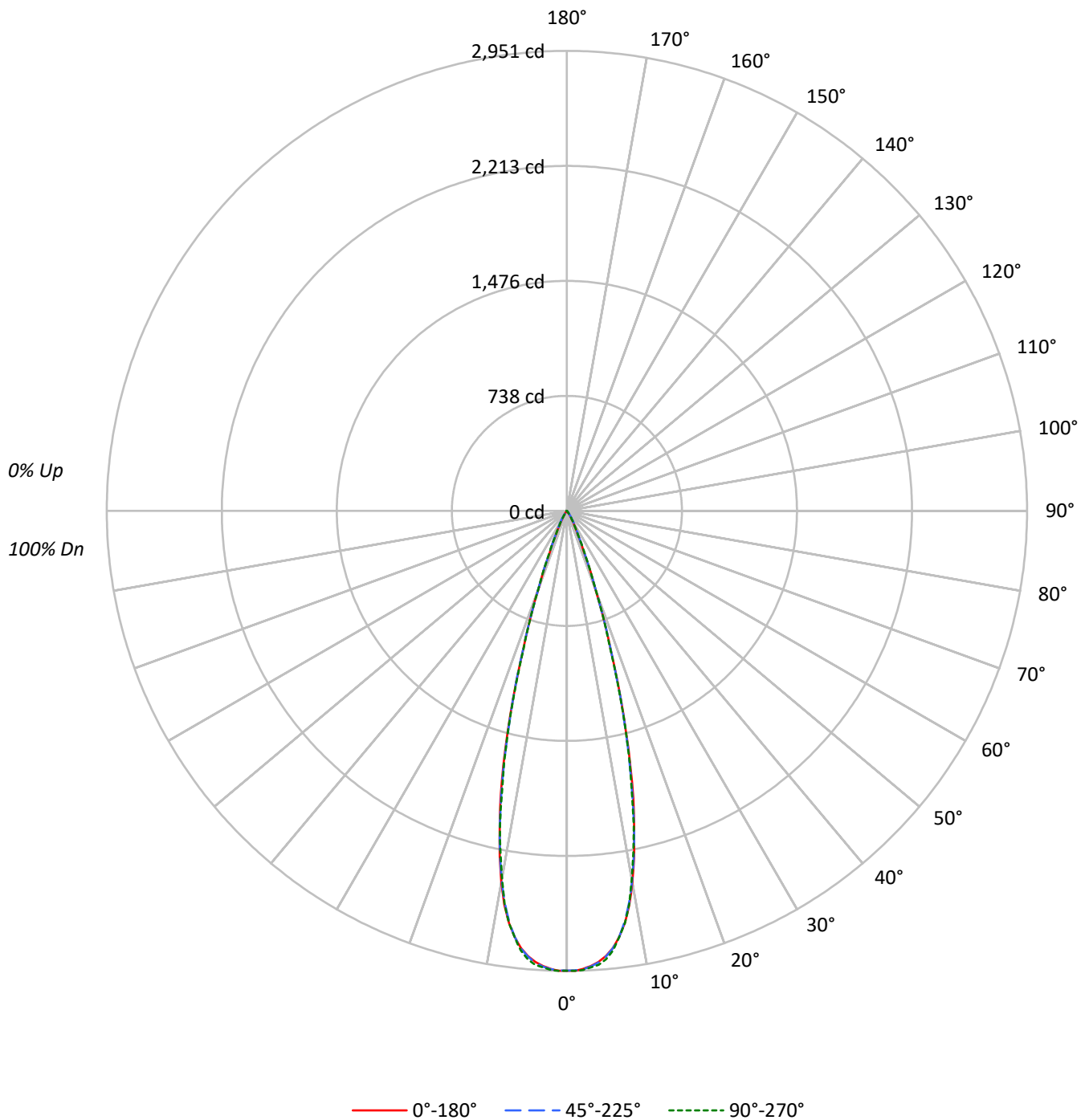
Lumens per Lamp: N/A
Luminaire Lumens: 761.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	507919	507919	507919
5°	495545	496150	498916
10°	423226	421267	418784
15°	261189	258122	259067
20°	98712	99262	99152
25°	30366	33293	31715
30°	12250	15531	12708
35°	3616	6602	3742
40°	1461	2653	1461
45°	292	877	292
50°	0	161	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: 877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.1	34.2
10°-20°	385.1	50.6
20°-30°	95.5	12.6
30°-40°	17.9	2.4
40°-50°	2.3	0.3
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°	740.8	97.3
0°-40°	758.7	99.7
0°-60°	761.0	100.0
0°-90°	761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2949	2949	2949	2949	2949	
5°	2866	2865	2870	2875	2886	260
15°	1465	1451	1448	1459	1453	387
25°	160	170	175	175	167	92
35°	17	22	31	23	18	14
45°	1	2	4	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2949.2	2949.2	2949.2	2949.2	2949.2
1°	2950.4	2948.0	2948.0	2944.5	2951.0
2°	2939.8	2937.4	2941.5	2938.6	2946.9
3°	2923.8	2920.8	2926.7	2928.5	2932.7
4°	2900.1	2897.7	2904.3	2907.8	2919.0
5°	2866.4	2865.2	2869.9	2874.7	2885.9
6°	2820.2	2818.4	2821.4	2827.3	2834.4
7°	2753.3	2749.8	2752.1	2753.3	2755.1
8°	2668.7	2663.4	2660.4	2666.9	2670.5
9°	2559.8	2553.9	2547.4	2545.0	2553.3
10°	2420.1	2411.2	2408.9	2402.9	2394.7
11°	2257.9	2250.8	2249.1	2238.4	2233.7
12°	2072.1	2068.5	2072.7	2066.2	2063.8
13°	1893.9	1871.5	1868.5	1856.1	1849.6
14°	1683.2	1662.5	1661.9	1655.4	1664.3
15°	1464.9	1450.6	1447.7	1458.9	1453.0
17.5°	934.0	943.4	941.1	935.1	925.1
20°	538.6	532.1	541.6	543.9	541.0
22.5°	287.1	289.4	291.2	298.3	303.0
25°	159.8	170.5	175.2	174.6	166.9
27.5°	99.4	105.9	114.8	108.9	102.4
30°	61.6	66.9	78.1	67.5	63.9
32.5°	33.1	42.0	50.3	42.0	34.3
35°	17.2	22.5	31.4	23.1	17.8
37.5°	11.2	13.0	20.1	13.0	11.2
40°	6.5	8.3	11.8	8.3	6.5
42.5°	3.0	4.7	6.5	4.7	3.0
45°	1.2	1.8	3.6	2.4	1.2
47.5°	0.0	0.6	1.8	0.6	0.0
50°	0.0	0.0	0.6	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)