

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: P1326304

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCDR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326304
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

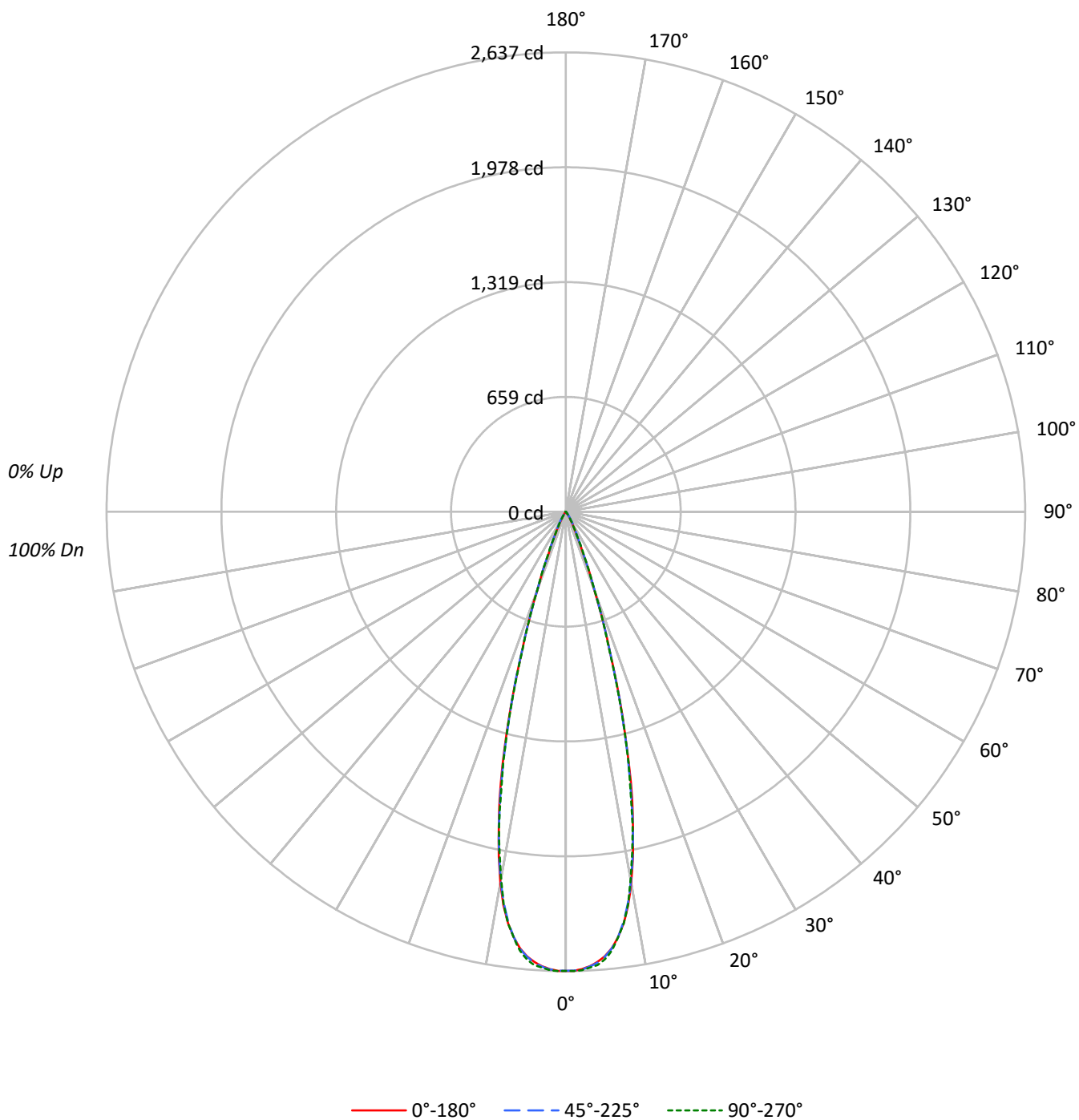
Lumens per Lamp: N/A
Luminaire Lumens: 680.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	453858	453858	453858
5°	442799	443352	445807
10°	378177	376428	374207
15°	233374	230646	231502
20°	88211	88687	88595
25°	27136	29739	28333
30°	10938	13881	11355
35°	3217	5887	3343
40°	1304	2383	1304
45°	268	779	268
50°	0	134	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: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.4	34.2
10°-20°	344.1	50.6
20°-30°	85.4	12.6
30°-40°	16.0	2.4
40°-50°	2.0	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°	661.9	97.3
0°-40°	678.0	99.7
0°-60°	680.0	100.0
0°-90°	680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2635	2635	2635	2635	2635	
5°	2561	2560	2564	2569	2579	233
15°	1309	1296	1294	1304	1298	346
25°	143	152	156	156	149	82
35°	15	20	28	21	16	13
45°	1	2	3	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°	2635.3	2635.3	2635.3	2635.3	2635.3
1°	2636.4	2634.3	2634.3	2631.1	2636.9
2°	2626.9	2624.7	2628.4	2625.8	2633.2
3°	2612.6	2609.9	2615.2	2616.8	2620.5
4°	2591.4	2589.3	2595.1	2598.3	2608.3
5°	2561.3	2560.2	2564.5	2568.7	2578.7
6°	2520.0	2518.4	2521.1	2526.4	2532.7
7°	2460.3	2457.1	2459.2	2460.3	2461.9
8°	2384.6	2379.9	2377.2	2383.1	2386.2
9°	2287.3	2282.0	2276.2	2274.1	2281.5
10°	2162.5	2154.6	2152.5	2147.2	2139.8
11°	2017.6	2011.3	2009.7	2000.2	1995.9
12°	1851.5	1848.4	1852.1	1846.3	1844.1
13°	1692.4	1672.3	1669.6	1658.5	1652.7
14°	1504.1	1485.6	1485.0	1479.2	1487.2
15°	1308.9	1296.2	1293.6	1303.6	1298.4
17.5°	834.5	843.0	840.9	835.6	826.6
20°	481.3	475.4	483.9	486.0	483.4
22.5°	256.5	258.6	260.2	266.5	270.8
25°	142.8	152.3	156.5	156.0	149.1
27.5°	88.8	94.7	102.6	97.3	91.5
30°	55.0	59.8	69.8	60.3	57.1
32.5°	29.6	37.5	45.0	37.5	30.7
35°	15.3	20.1	28.0	20.6	15.9
37.5°	10.0	11.6	18.0	11.6	10.0
40°	5.8	7.4	10.6	7.4	5.8
42.5°	2.6	4.2	5.8	4.2	2.6
45°	1.1	1.6	3.2	2.1	1.1
47.5°	0.0	0.5	1.6	0.5	0.0
50°	0.0	0.0	0.5	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)