

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: P1326188

Luminaire Tested: LDSQA3D09R25W2N902765DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R25W2N902765DE010 3LSQCA30R 1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

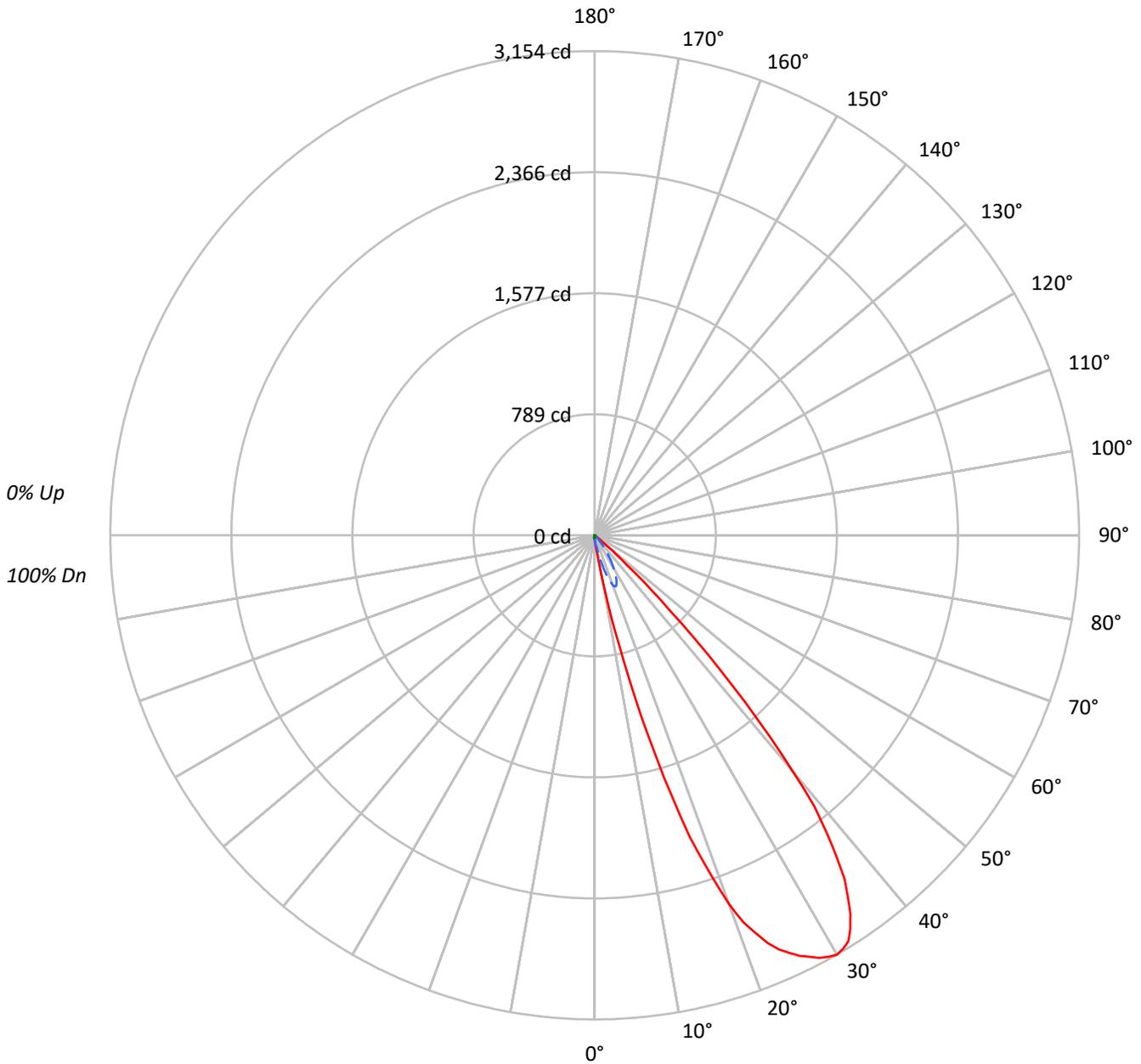
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 631.1 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
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



— 0°-180° - - - 45°-225° ····· 90°-270°



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	50	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4667	4667	4667	4667	4667
5°	11704	8644	4374	2247	1729
10°	51170	14725	3603	1032	717
15°	243323	39671	2514	428	321
20°	468397	63560	1613	110	110
25°	570441	64096	893	0	0
30°	627182	49060	358	0	0
35°	604412	31200	126	0	0
40°	451620	13512	0	0	135
45°	167204	3580	146	146	438
50°	19720	482	322	322	643
55°	1952	0	360	540	871
60°	207	0	620	827	999
65°	245	245	978	1182	1426
70°	302	302	1209	1209	1762
75°	399	399	1198	1198	1597
80°	0	595	1785	1190	1785
85°	0	1186	3557	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 167204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.6
10°-20°	73.6	11.7
20°-30°	230.9	36.6
30°-40°	243.1	38.5
40°-50°	71.4	11.3
50°-60°	3.8	0.6
60°-70°	1.9	0.3
70°-80°	1.6	0.3
80°-90°	0.8	0.1
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°	308.4	48.9
0°-40°	551.5	87.4
0°-60°	626.7	99.3
0°-90°	631.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	631.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	68	50	25	13	10	12
15°	1365	222	14	2	2	430
25°	3002	337	5	0	0	1377
35°	2875	148	1	0	0	1735
45°	686	15	1	1	2	624
55°	6	0	1	2	3	16
65°	1	1	2	3	4	1
75°	1	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
2.5°	41.8	42.4	40.6	41.8	40.6	40.0	39.4	36.5	31.8	27.1	22.4
5°	67.7	67.7	64.8	64.2	63.0	60.6	58.3	50.0	35.9	25.3	17.7
7.5°	106.0	105.4	104.2	101.3	95.4	89.5	83.6	65.3	39.4	23.5	13.5
10°	292.6	288.5	283.2	251.4	215.5	183.7	156.0	84.2	42.4	20.6	10.0
12.5°	727.1	703.5	647.6	584.0	502.8	417.4	333.8	137.2	43.6	17.1	7.1
15°	1364.7	1315.8	1228.7	1101.5	935.5	748.9	589.9	222.5	42.4	14.1	5.3
17.5°	2060.6	2013.5	1892.8	1699.7	1455.3	1168.6	887.2	295.0	39.4	11.8	3.5
20°	2555.7	2505.6	2392.6	2187.7	1923.4	1541.3	1168.0	346.8	37.1	8.8	1.8
21°	2700.5	2650.5	2531.0	2333.1	2055.3	1672.0	1258.1	355.6	35.3	7.7	1.2
22°	2792.4	2762.9	2634.6	2442.6	2159.5	1776.8	1335.2	359.7	34.1	7.1	1.2
23°	2884.8	2840.6	2720.5	2518.0	2238.9	1854.5	1392.3	356.8	33.0	5.9	0.6
24°	2953.1	2916.0	2776.5	2576.3	2294.3	1902.2	1425.9	349.1	31.2	5.3	0.6
25°	3001.9	2967.8	2822.4	2615.7	2331.4	1928.1	1436.5	337.3	29.4	4.7	0.6
26°	3048.4	3011.4	2860.6	2638.7	2350.8	1936.3	1426.5	324.4	27.7	4.1	0.0
27°	3082.0	3044.3	2887.1	2652.2	2352.0	1926.3	1399.4	306.7	25.9	3.5	0.0
28°	3117.9	3074.4	2905.4	2659.9	2344.9	1902.8	1360.6	287.9	24.7	2.9	0.0
29°	3139.7	3098.5	2924.2	2668.1	2330.2	1863.3	1304.0	265.5	21.8	1.8	0.0
30°	3153.8	3105.0	2922.5	2659.3	2310.8	1820.9	1236.3	246.7	18.8	1.8	0.0
31°	3142.1	3090.8	2903.6	2634.6	2279.6	1765.6	1166.9	223.1	15.3	1.2	0.0
32°	3116.7	3056.1	2870.7	2591.6	2223.6	1694.4	1095.0	203.7	11.2	1.2	0.0
33°	3054.9	3003.7	2811.2	2533.9	2150.6	1597.8	1001.4	184.9	7.7	0.6	0.0
34°	2977.2	2926.0	2729.9	2456.8	2052.9	1473.0	887.8	165.4	6.5	0.6	0.0
35°	2874.8	2824.1	2638.1	2349.0	1923.4	1322.9	770.6	148.4	5.3	0.6	0.0
36°	2767.0	2699.9	2522.1	2234.2	1749.7	1152.1	645.2	128.9	4.1	0.6	0.0
37°	2608.7	2563.3	2366.1	2059.4	1561.9	988.5	554.0	111.3	2.9	0.6	0.0
38°	2444.4	2402.6	2210.1	1883.4	1352.3	826.6	463.9	94.2	2.4	0.0	0.0
39°	2274.9	2205.4	2015.2	1657.9	1132.7	692.3	390.3	78.9	1.2	0.0	0.0
40°	2008.8	1955.8	1752.7	1387.1	937.3	561.1	332.6	60.1	1.2	0.0	0.0
42.5°	1331.7	1282.3	1069.1	752.4	498.1	327.9	219.6	23.5	0.0	0.6	0.0
45°	686.5	655.3	532.2	393.9	282.6	201.3	141.3	14.7	0.0	0.6	0.6
47.5°	272.6	267.3	241.4	208.4	160.7	119.5	77.1	6.5	0.0	0.6	0.6
50°	73.6	74.2	69.5	64.2	58.3	54.8	32.4	1.8	0.0	1.2	0.6
52.5°	31.2	31.8	30.6	28.8	25.9	19.4	13.0	0.6	0.6	1.2	1.2
55°	6.5	7.1	7.7	8.2	9.4	8.2	5.3	0.0	0.6	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.2	0.0	0.6	1.2	1.8
60°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2	1.8	1.8
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8	2.4
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	2.4	2.4
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	2.4
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	2.4
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	1.8
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.8	1.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.8	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	27.1	27.1	27.1
2.5°	18.8	17.1	16.5
5°	13.0	11.2	10.0
7.5°	8.8	7.1	6.5
10°	5.9	4.7	4.1
12.5°	4.1	2.4	2.4
15°	2.4	1.8	1.8
17.5°	1.2	0.6	0.6
20°	0.6	0.6	0.6
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.6
39°	0.0	0.6	0.6
40°	0.0	0.6	0.6
42.5°	0.0	0.6	1.2
45°	0.6	1.2	1.8
47.5°	1.2	1.8	2.4
50°	1.2	2.4	2.4
52.5°	1.8	2.4	2.9
55°	1.8	2.9	2.9
57.5°	2.4	2.9	3.5
60°	2.4	2.9	2.9
62.5°	2.4	3.5	3.5
65°	2.9	3.5	3.5
67.5°	2.9	3.5	3.5
70°	2.4	2.9	3.5
72.5°	2.4	2.9	2.9
75°	1.8	2.4	2.4
77.5°	1.8	1.8	2.4
80°	1.2	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.2	1.2	1.2
85°	0.6	0.6	0.6
87.5°	0.6	0.6	0.6
90°	0.0	0.0	0.0

(END OF REPORT)