

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: P1326185

Luminaire Tested: LDSQA3D09R25W2N902765DE010 3LSQCA30R 1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

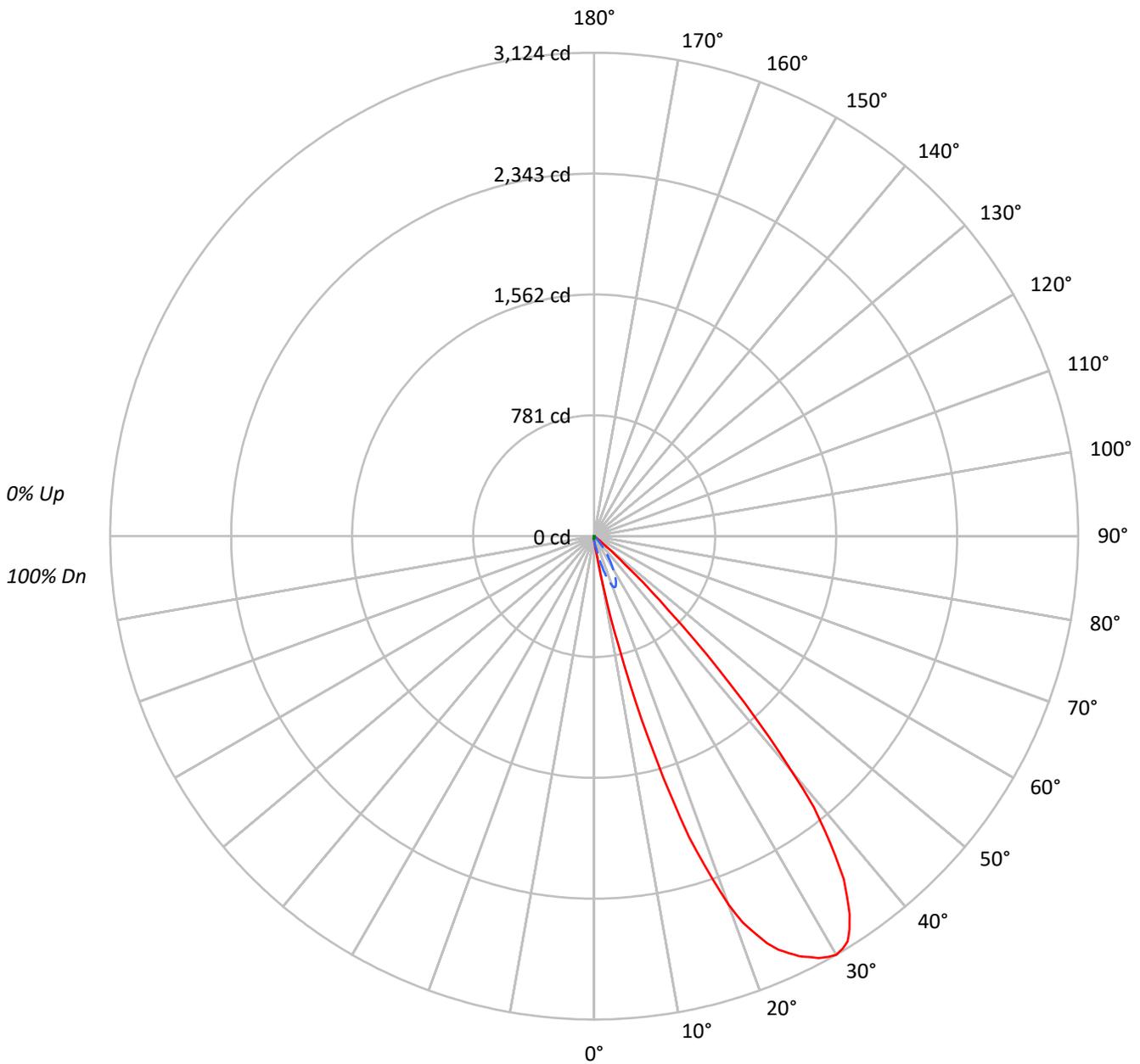
Test Method: LM-79-2019  
Report Number: P1326185  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R25W2N902765DE010 3LSQCA30R 1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 625.0 lumens  
Efficiency: N/A  
Efficacy: 69.4 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	104	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	51	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°	4616	4616	4616	4616	4616
5°	11600	8575	4339	2213	1712
10°	50680	14585	3568	1014	717
15°	241005	39297	2496	410	303
20°	463944	62955	1594	110	110
25°	565025	63488	893	0	0
30°	621216	48583	338	0	0
35°	598652	30885	126	0	0
40°	447303	13377	0	0	135
45°	165596	3556	146	146	414
50°	19532	455	322	322	616
55°	1922	0	360	510	871
60°	207	0	586	792	999
65°	245	245	937	1182	1426
70°	302	302	1158	1158	1762
75°	399	399	1131	1131	1530
80°	0	595	1686	1190	1686
85°	0	1186	3359	1186	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 165596 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.6
10°-20°	72.9	11.7
20°-30°	228.7	36.6
30°-40°	240.8	38.5
40°-50°	70.7	11.3
50°-60°	3.8	0.6
60°-70°	1.8	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°	305.5	48.9
0°-40°	546.2	87.4
0°-60°	620.8	99.3
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	67	50	25	13	10	12
15°	1352	220	14	2	2	426
25°	2973	334	5	0	0	1364
35°	2847	147	1	0	0	1718
45°	680	15	1	1	2	618
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°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	41.4	42.0	40.2	41.4	40.2	39.7	39.1	36.2	31.5	26.8	22.2
5°	67.1	67.1	64.1	63.6	62.4	60.1	57.7	49.6	35.6	25.1	17.5
7.5°	105.0	104.4	103.2	100.3	94.5	88.6	82.8	64.7	39.1	23.3	13.4
10°	289.8	285.7	280.5	249.0	213.4	181.9	154.5	83.4	42.0	20.4	9.9
12.5°	720.2	696.8	641.4	578.5	498.0	413.4	330.6	135.9	43.2	16.9	7.0
15°	1351.7	1303.3	1217.0	1091.0	926.6	741.7	584.3	220.4	42.0	14.0	5.2
17.5°	2041.0	1994.3	1874.8	1683.5	1441.5	1157.5	878.8	292.1	39.1	11.7	3.5
20°	2531.4	2481.8	2369.9	2166.9	1905.1	1526.6	1156.9	343.5	36.7	8.7	1.7
21°	2674.8	2625.3	2506.9	2311.0	2035.7	1656.1	1246.2	352.2	35.0	7.6	1.2
22°	2765.8	2736.6	2609.5	2419.4	2138.9	1759.9	1322.5	356.3	33.8	7.0	1.2
23°	2857.4	2813.6	2694.7	2494.1	2217.7	1836.9	1379.1	353.4	32.7	5.8	0.6
24°	2925.0	2888.3	2750.1	2551.8	2272.5	1884.1	1412.3	345.8	30.9	5.2	0.6
25°	2973.4	2939.6	2795.5	2590.9	2309.2	1909.8	1422.8	334.1	29.2	4.7	0.6
26°	3019.5	2982.7	2833.4	2613.6	2328.4	1917.9	1412.9	321.3	27.4	4.1	0.0
27°	3052.7	3015.4	2859.7	2627.0	2329.6	1908.0	1386.1	303.8	25.7	3.5	0.0
28°	3088.3	3045.1	2877.8	2634.6	2322.6	1884.7	1347.6	285.2	24.5	2.9	0.0
29°	3109.8	3069.0	2896.4	2642.8	2308.0	1845.6	1291.6	263.0	21.6	1.7	0.0
30°	3123.8	3075.4	2894.7	2634.0	2288.8	1803.6	1224.6	244.3	18.7	1.7	0.0
31°	3112.2	3061.4	2876.0	2609.5	2257.9	1748.8	1155.8	221.0	15.2	1.2	0.0
32°	3087.1	3027.0	2843.4	2567.0	2202.5	1678.3	1084.6	201.8	11.1	1.2	0.0
33°	3025.9	2975.1	2784.5	2509.8	2130.2	1582.6	991.9	183.1	7.6	0.6	0.0
34°	2948.9	2898.2	2704.0	2433.4	2033.4	1459.0	879.4	163.9	6.4	0.6	0.0
35°	2847.4	2797.3	2613.0	2326.7	1905.1	1310.3	763.3	146.9	5.2	0.6	0.0
36°	2740.7	2674.2	2498.1	2213.0	1733.1	1141.2	639.1	127.7	4.1	0.6	0.0
37°	2583.9	2539.0	2343.6	2039.8	1547.1	979.1	548.7	110.2	2.9	0.6	0.0
38°	2421.2	2379.8	2189.1	1865.4	1339.5	818.7	459.5	93.3	2.3	0.0	0.0
39°	2253.2	2184.4	1996.1	1642.1	1121.9	685.8	386.6	78.1	1.2	0.0	0.0
40°	1989.6	1937.2	1736.0	1373.9	928.3	555.7	329.5	59.5	1.2	0.0	0.0
42.5°	1319.0	1270.1	1059.0	745.2	493.3	324.8	217.5	23.3	0.0	0.6	0.0
45°	679.9	649.0	527.2	390.1	279.9	199.4	140.0	14.6	0.0	0.6	0.6
47.5°	270.0	264.7	239.1	206.4	159.2	118.4	76.4	6.4	0.0	0.6	0.6
50°	72.9	73.5	68.8	63.6	57.7	54.2	32.1	1.7	0.0	1.2	0.6
52.5°	30.9	31.5	30.3	28.6	25.7	19.2	12.8	0.6	0.6	1.2	1.2
55°	6.4	7.0	7.6	8.2	9.3	8.2	5.2	0.0	0.6	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.2	0.0	0.6	1.2	1.7
60°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2	1.7	1.7
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.7	2.3
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	2.3	2.3
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	2.3
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	2.3
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	1.7
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.7	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	1.7	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	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°	26.8	26.8	26.8
2.5°	18.7	16.9	16.3
5°	12.8	11.1	9.9
7.5°	8.7	7.0	6.4
10°	5.8	4.7	4.1
12.5°	4.1	2.3	2.3
15°	2.3	1.7	1.7
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	1.7
47.5°	1.2	1.7	2.3
50°	1.2	2.3	2.3
52.5°	1.7	2.3	2.9
55°	1.7	2.9	2.9
57.5°	2.3	2.9	3.5
60°	2.3	2.9	2.9
62.5°	2.3	3.5	3.5
65°	2.9	3.5	3.5
67.5°	2.9	3.5	3.5
70°	2.3	2.9	3.5
72.5°	2.3	2.9	2.9
75°	1.7	2.3	2.3
77.5°	1.7	1.7	2.3
80°	1.2	1.7	1.7



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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)