

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: P1326374

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQCA30R 1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902765DE010 3LSQCA30R 1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

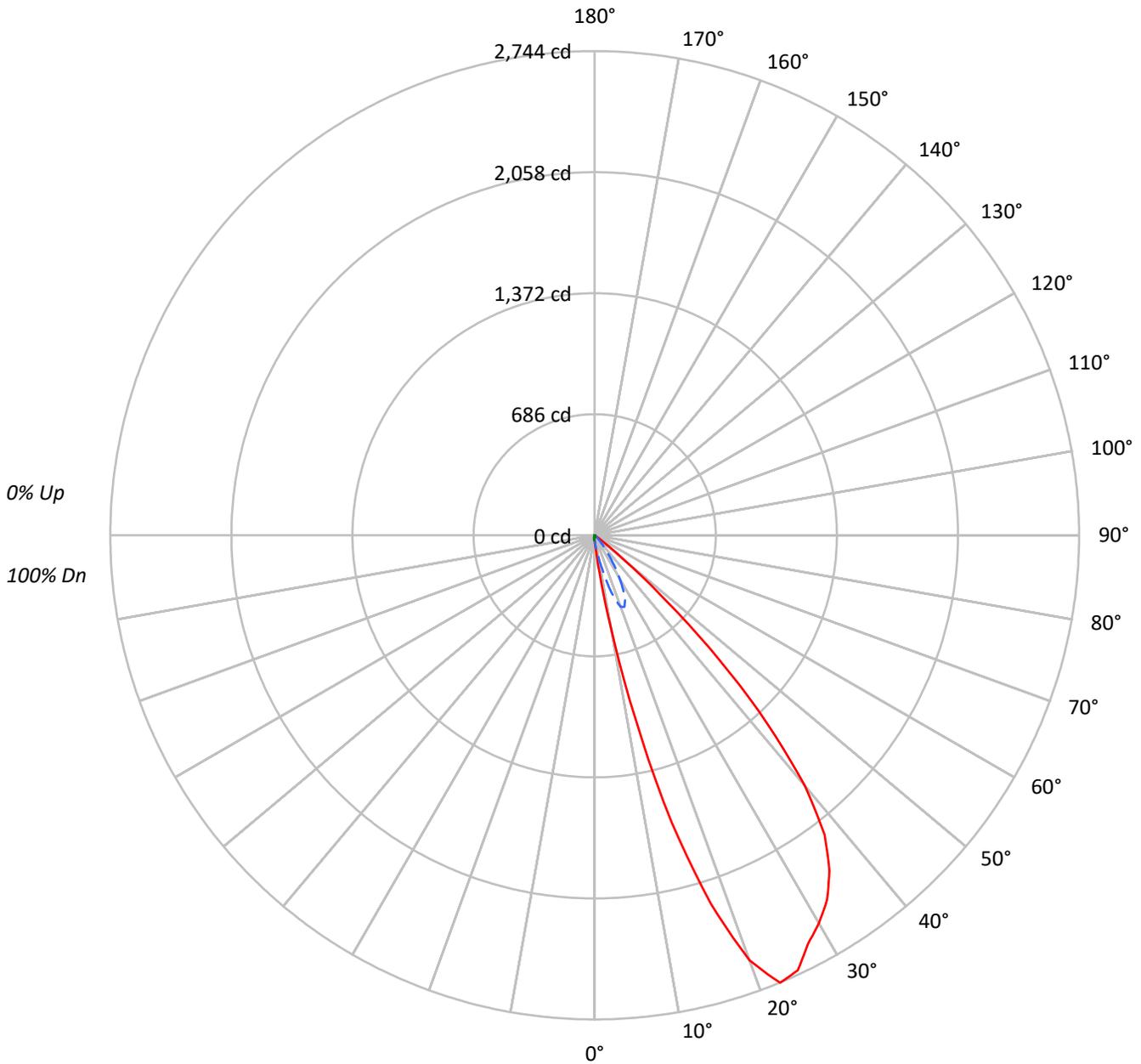
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 647.1 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	83	79	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	45
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	5287	5287	5287	5287	5287
5°	15940	10632	5014	2247	1833
10°	92336	22542	3935	1032	717
15°	300325	51118	2746	214	107
20°	469937	79102	1741	0	0
25°	517006	77303	893	0	0
30°	504959	55722	358	0	0
35°	487369	31705	126	0	0
40°	415626	13422	0	0	0
45°	243925	5042	146	0	146
50°	59240	938	161	161	482
55°	5134	0	360	540	721
60°	207	0	413	620	1033
65°	245	245	734	734	1223
70°	302	302	906	906	1209
75°	0	399	1198	1198	1198
80°	0	595	1785	1190	1190
85°	0	1186	3557	1186	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 243925 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.6	0.9
10°-20°	88.9	13.7
20°-30°	226.0	34.9
30°-40°	225.2	34.8
40°-50°	91.2	14.1
50°-60°	6.3	1.0
60°-70°	1.4	0.2
70°-80°	1.4	0.2
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°	320.6	49.5
0°-40°	545.8	84.3
0°-60°	643.3	99.4
0°-90°	647.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	647.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	92	62	29	13	11	21
15°	1684	287	15	1	1	490
25°	2721	407	5	0	0	1228
35°	2318	151	1	0	0	1421
45°	1002	21	1	0	1	764
55°	17	0	1	2	2	45
65°	1	1	2	2	3	1
75°	0	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°	35°	40°	45°	67.5°
0°	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
2.5°	50.8	51.4	51.4	50.3	49.7	49.7	47.9	47.3	45.5	43.7	37.8
5°	92.2	90.5	88.1	88.1	82.8	79.8	75.7	70.9	67.4	61.5	43.7
7.5°	209.3	195.1	191.0	185.6	165.5	149.6	131.2	115.3	100.5	88.1	48.5
10°	528.0	500.2	477.1	430.4	371.9	315.7	263.7	203.4	162.0	128.9	52.0
12.5°	1063.6	1026.3	982.0	896.9	787.5	647.4	523.2	390.8	274.3	189.8	53.2
15°	1684.4	1621.1	1551.9	1443.7	1264.6	1063.6	839.5	628.5	440.5	286.7	52.0
17.5°	2190.4	2165.6	2063.3	1915.5	1696.2	1437.2	1161.1	872.6	594.2	375.4	48.5
20°	2564.1	2546.9	2423.4	2266.1	2019.0	1722.2	1371.6	1025.2	701.2	431.6	43.2
22.5°	2744.4	2741.4	2652.2	2491.4	2229.5	1893.1	1507.0	1113.2	734.3	439.3	36.1
25°	2720.7	2731.4	2680.5	2561.1	2309.9	1963.4	1547.2	1113.2	710.0	406.8	30.2
27.5°	2613.1	2620.2	2588.3	2496.7	2262.6	1912.6	1491.0	1041.7	639.7	349.4	24.8
30°	2539.2	2542.2	2502.6	2404.5	2156.1	1796.7	1358.6	909.3	533.3	280.2	18.3
32.5°	2449.4	2448.8	2402.7	2290.3	2016.6	1634.1	1190.7	751.4	409.7	212.8	10.6
35°	2318.1	2303.4	2240.7	2111.2	1808.5	1415.4	976.1	572.3	295.0	150.8	6.5
37.5°	2137.8	2099.4	2010.7	1837.5	1516.5	1109.7	723.6	402.0	201.6	99.9	4.1
40°	1848.7	1807.9	1687.3	1476.8	1146.9	798.7	487.7	261.9	127.1	59.7	2.4
42.5°	1449.6	1421.9	1259.3	1049.4	757.3	509.6	293.2	154.9	71.5	34.3	0.6
45°	1001.5	965.4	837.7	659.8	454.6	282.6	164.4	81.0	40.8	20.7	0.0
47.5°	552.8	508.4	434.5	341.7	228.8	148.4	82.8	43.7	23.1	10.1	0.0
50°	221.1	219.3	174.4	124.2	87.5	67.4	41.4	23.6	11.8	3.5	0.6
52.5°	77.4	77.4	66.8	54.4	42.6	30.7	20.7	11.2	4.1	1.2	0.6
55°	17.1	18.9	17.7	16.6	16.0	13.6	8.9	4.1	1.2	0.0	0.6
57.5°	1.8	1.8	1.8	2.4	3.0	3.0	2.4	1.2	0.0	0.0	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2
62.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	1.2
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
75°	0.0	0.0	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	1.8
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	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):**

	90°	112.5°	135°	157.5°	180°
0°	30.7	30.7	30.7	30.7	30.7
2.5°	30.7	24.2	20.1	17.7	17.1
5°	29.0	18.3	13.0	11.2	10.6
7.5°	26.0	13.6	8.9	7.1	6.5
10°	22.5	10.1	5.9	4.1	4.1
12.5°	18.9	7.7	3.5	1.8	1.2
15°	15.4	4.7	1.2	0.6	0.6
17.5°	11.8	3.0	0.0	0.0	0.0
20°	9.5	1.2	0.0	0.0	0.0
22.5°	7.1	0.6	0.0	0.0	0.0
25°	4.7	0.0	0.0	0.0	0.0
27.5°	3.0	0.0	0.0	0.0	0.0
30°	1.8	0.0	0.0	0.0	0.0
32.5°	0.6	0.0	0.0	0.0	0.0
35°	0.6	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.6	0.0	0.0	0.6	0.6
47.5°	0.6	0.6	0.6	1.2	1.2
50°	0.6	0.6	0.6	1.2	1.8
52.5°	1.2	0.6	1.2	1.8	1.8
55°	1.2	1.2	1.8	2.4	2.4
57.5°	1.2	1.2	1.8	2.4	2.4
60°	1.2	1.2	1.8	2.4	3.0
62.5°	1.8	1.8	1.8	2.4	2.4
65°	1.8	1.8	1.8	2.4	3.0
67.5°	1.8	1.8	1.8	2.4	3.0
70°	1.8	1.8	1.8	2.4	2.4
72.5°	2.4	1.8	1.8	2.4	2.4
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.2	1.8	1.8
80°	1.8	1.2	1.2	1.2	1.2
82.5°	1.8	1.2	1.2	1.2	1.2
85°	1.8	1.2	0.6	0.6	0.6
87.5°	1.8	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)