

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: P1325760

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQCA30R 1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

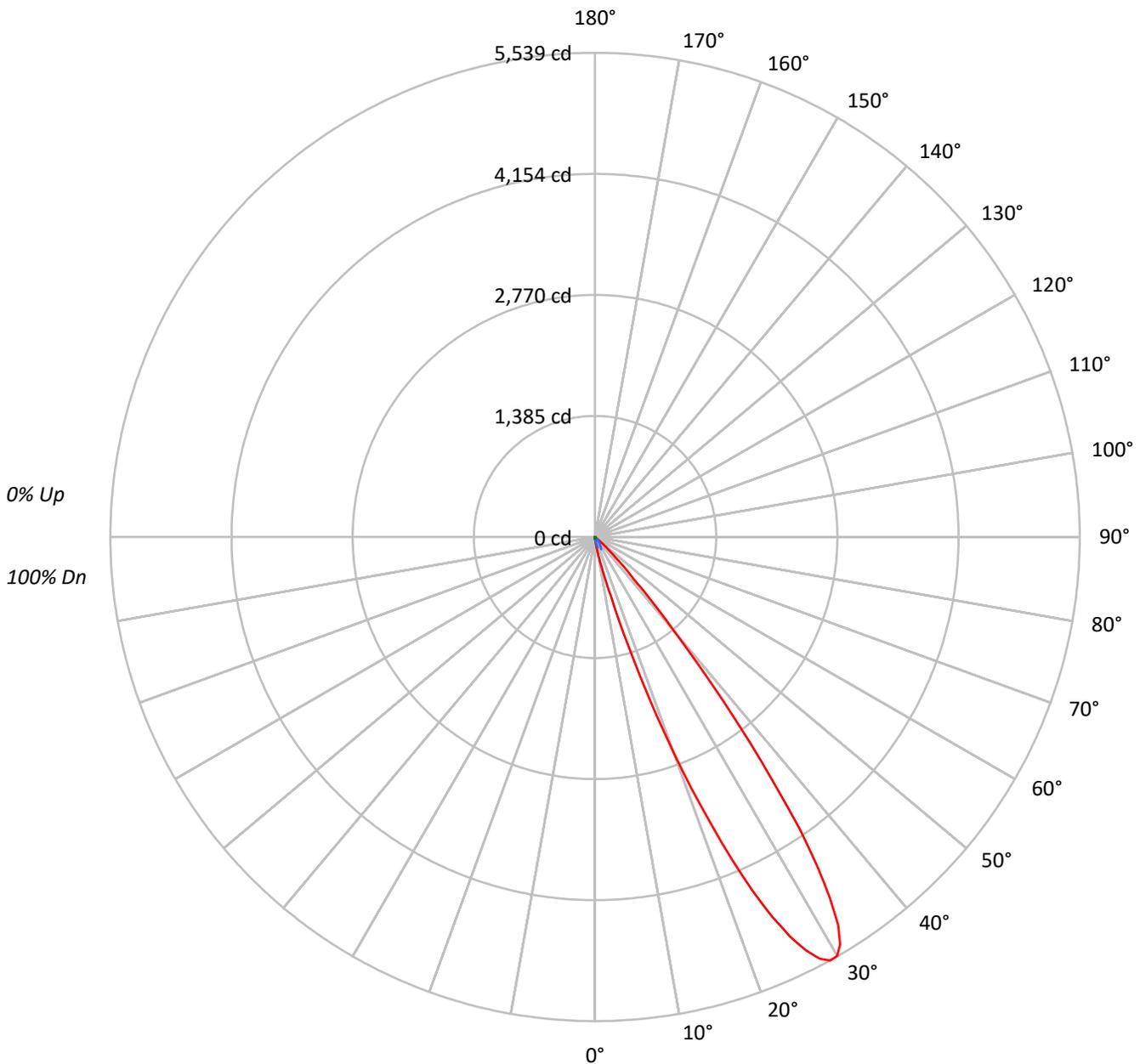
Test Method: LM-79-2019  
Report Number: P1325760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQCA30R 1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 605.1 lumens  
Efficiency: N/A  
Efficacy: 67.2 lumens/watt  
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26  
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	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	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68				
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61				
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55				
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				
8	71	60	53	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	43	39	49	43	39	48	43	39	47	42	39	37				

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

	0°	45°	90°	135°	180°
0°	3444	3444	3444	3444	3444
5°	7434	5498	3250	1729	1418
10°	32930	10388	2571	717	507
15°	124559	24035	1783	321	214
20°	479009	33869	1081	110	110
25°	910874	31753	551	0	0
30°	1100363	25634	239	0	0
35°	858199	17450	126	0	0
40°	313175	8611	135	0	135
45°	80423	2582	146	0	292
50°	13557	322	161	161	482
55°	1772	0	360	540	871
60°	207	207	620	827	1206
65°	245	245	978	1182	1426
70°	302	302	1209	1209	1460
75°	399	399	1597	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: 80423 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.7	0.5
10°-20°	46.4	7.7
20°-30°	257.1	42.5
30°-40°	248.4	41.1
40°-50°	43.2	7.1
50°-60°	3.1	0.5
60°-70°	1.8	0.3
70°-80°	1.5	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°	306.2	50.6
0°-40°	554.6	91.7
0°-60°	601.0	99.3
0°-90°	605.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	43	32	19	10	8	8
15°	699	135	10	2	1	311
25°	4793	167	3	0	0	2143
35°	4082	83	1	0	0	2348
45°	330	11	1	0	1	355
55°	6	0	1	2	3	11
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°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	29.4	28.2	28.8	28.8	28.8	28.8	28.8	27.7	27.7	28.2	25.3
5°	43.0	43.0	42.4	43.0	43.0	42.4	41.2	40.6	40.6	39.4	31.8
7.5°	85.9	84.7	84.7	83.6	77.7	75.9	74.7	71.8	66.5	65.3	41.2
10°	188.3	188.9	184.8	179.5	178.9	170.1	167.1	161.8	151.8	141.8	59.4
12.5°	341.9	334.3	324.3	324.9	307.8	301.9	288.4	273.7	258.4	242.5	97.7
15°	698.6	676.8	689.7	658.0	622.1	581.5	540.3	488.5	444.3	397.2	134.8
17.5°	1471.3	1492.5	1456.6	1320.6	1237.1	1138.8	1000.5	866.9	752.7	660.9	164.8
20°	2613.6	2644.8	2523.0	2404.7	2201.6	1980.3	1749.6	1488.3	1238.2	1021.7	184.8
21°	3090.9	3072.0	3022.0	2832.5	2598.3	2341.7	2059.2	1770.8	1467.8	1186.4	186.6
22°	3552.3	3561.1	3444.6	3246.2	3002.6	2718.3	2373.5	2017.4	1690.8	1320.6	183.6
23°	4011.9	4040.1	3886.0	3700.0	3393.4	3072.6	2673.6	2289.3	1885.6	1474.2	177.7
24°	4437.4	4418.0	4313.8	4079.6	3751.8	3376.3	2962.0	2495.9	2045.7	1605.5	173.0
25°	4793.4	4791.1	4627.5	4399.7	4024.8	3608.8	3152.1	2664.8	2182.8	1694.3	167.1
26°	5084.8	5037.1	4908.2	4630.4	4260.2	3821.2	3308.0	2787.8	2259.9	1739.1	161.3
27°	5309.6	5275.4	5102.4	4813.4	4426.8	3941.3	3408.1	2849.0	2295.2	1753.8	153.6
28°	5460.8	5423.7	5239.5	4941.7	4518.6	4016.6	3461.0	2874.9	2295.2	1739.6	146.5
29°	5539.1	5488.5	5304.9	4985.9	4539.8	4025.4	3448.1	2849.6	2259.3	1696.1	138.3
30°	5533.2	5470.2	5277.8	4945.9	4476.8	3953.0	3375.7	2758.4	2178.1	1631.4	128.9
31°	5437.9	5367.2	5152.4	4810.5	4346.8	3816.5	3239.2	2635.9	2066.9	1547.2	119.5
32°	5244.2	5154.8	4945.3	4604.5	4146.7	3612.3	3040.8	2447.0	1900.3	1424.2	109.5
33°	4928.8	4838.8	4613.9	4294.4	3875.9	3353.3	2777.8	2244.0	1710.8	1277.7	101.2
34°	4533.9	4451.5	4257.9	3936.0	3534.6	3025.5	2475.3	1963.3	1514.2	1132.3	92.4
35°	4081.9	3950.7	3775.3	3520.5	3129.1	2617.1	2148.7	1702.0	1311.8	979.9	83.0
36°	3470.5	3494.0	3308.0	2996.1	2671.8	2270.5	1820.9	1418.9	1097.0	835.1	74.7
37°	2928.4	2891.4	2773.1	2531.8	2249.3	1850.9	1526.0	1202.9	922.8	706.2	65.9
38°	2362.3	2370.5	2254.6	2069.2	1789.1	1521.9	1228.2	988.1	772.1	600.9	57.7
39°	1849.1	1842.6	1811.4	1639.6	1385.9	1210.6	995.2	819.2	643.2	506.7	48.8
40°	1393.0	1403.6	1330.6	1227.0	1079.3	935.1	792.7	653.2	532.0	427.3	38.3
42.5°	677.4	693.9	645.6	619.1	553.8	497.3	419.6	342.5	291.3	251.9	17.1
45°	330.2	320.7	316.6	303.7	288.4	257.8	228.3	196.0	171.3	147.7	10.6
47.5°	168.9	164.2	164.2	158.9	153.6	143.6	128.9	118.3	106.5	91.8	4.1
50°	50.6	50.0	49.4	50.0	48.3	50.0	51.2	51.8	47.1	46.5	1.2
52.5°	20.0	20.6	20.0	21.8	21.8	21.2	21.8	21.2	20.6	18.2	0.0
55°	5.9	5.9	5.9	5.9	5.9	5.9	6.5	7.1	6.5	7.1	0.0
57.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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):**

	67.5°	90°	112.5°	135°	157.5°	180°
0°	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	23.5	20.6	17.1	14.1	12.9	12.4
5°	25.3	18.8	12.9	10.0	8.8	8.2
7.5°	27.1	17.1	10.0	7.1	5.3	4.7
10°	28.2	14.7	7.7	4.1	2.9	2.9
12.5°	28.2	11.8	5.3	2.4	1.8	1.8
15°	27.7	10.0	3.5	1.8	1.2	1.2
17.5°	27.1	7.7	2.4	1.2	0.6	1.2
20°	25.3	5.9	1.2	0.6	0.6	0.6
21°	24.7	5.3	1.2	0.6	0.6	0.6
22°	23.5	4.7	0.6	0.0	0.6	0.6
23°	22.4	3.5	0.6	0.0	0.0	0.0
24°	20.6	2.9	0.6	0.0	0.0	0.0
25°	19.4	2.9	0.6	0.0	0.0	0.0
26°	18.2	1.8	0.0	0.0	0.0	0.0
27°	16.5	1.2	0.0	0.0	0.0	0.0
28°	15.3	1.2	0.0	0.0	0.0	0.0
29°	13.5	1.2	0.0	0.0	0.0	0.0
30°	11.8	1.2	0.0	0.0	0.0	0.0
31°	9.4	0.6	0.0	0.0	0.0	0.0
32°	7.7	0.6	0.0	0.0	0.0	0.0
33°	5.3	0.6	0.0	0.0	0.0	0.0
34°	3.5	0.6	0.0	0.0	0.0	0.0
35°	2.9	0.6	0.0	0.0	0.0	0.0
36°	1.8	0.6	0.0	0.0	0.0	0.6
37°	1.8	0.6	0.0	0.0	0.0	0.6
38°	1.2	0.6	0.0	0.0	0.0	0.6
39°	0.6	0.6	0.0	0.0	0.0	0.6
40°	0.6	0.6	0.0	0.0	0.0	0.6
42.5°	0.0	0.6	0.0	0.0	0.6	1.2
45°	0.0	0.6	0.0	0.0	0.6	1.2
47.5°	0.0	0.6	0.0	0.0	1.2	1.2
50°	0.0	0.6	0.6	0.6	1.2	1.8
52.5°	0.0	1.2	0.6	1.2	1.8	2.4
55°	0.6	1.2	1.2	1.8	2.4	2.9
57.5°	0.6	1.8	1.8	2.4	2.9	2.9
60°	1.2	1.8	2.4	2.4	3.5	3.5
62.5°	1.2	2.4	2.4	2.4	3.5	3.5
65°	1.2	2.4	2.4	2.9	3.5	3.5
67.5°	1.2	2.4	2.4	2.4	2.9	3.5
70°	1.2	2.4	1.8	2.4	2.9	2.9
72.5°	1.2	2.4	1.8	1.8	2.4	2.9
75°	1.2	2.4	1.8	1.8	2.4	2.4
77.5°	1.2	1.8	1.8	1.2	1.8	1.8
80°	1.2	1.8	1.2	1.2	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.2	1.8	1.2	0.6	1.2	1.2
85°	1.2	1.8	1.2	0.6	0.6	0.6
87.5°	1.2	1.8	0.6	0.0	0.0	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)