

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: P1327356

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQCA30R 1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

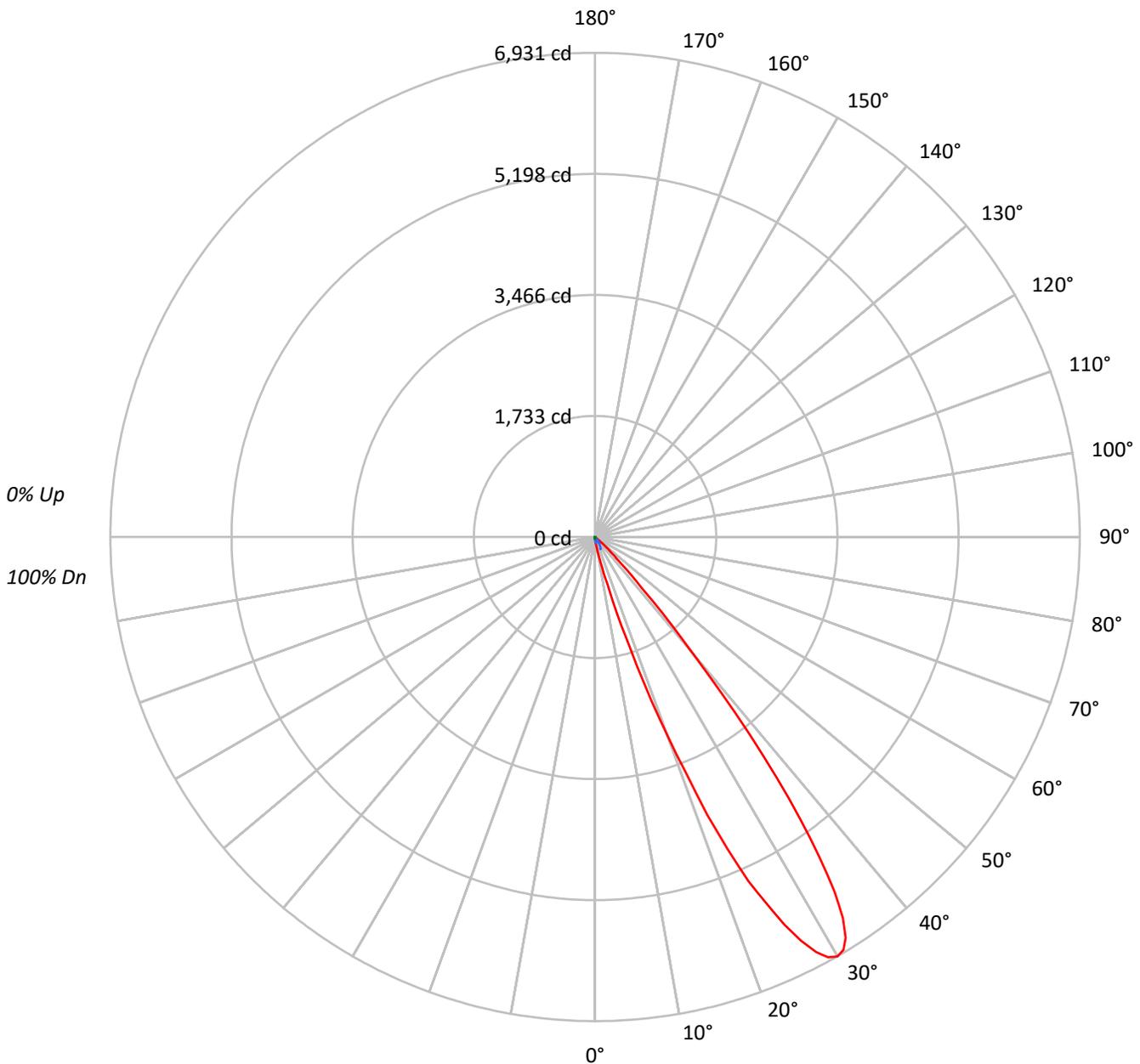
Test Method: LM-79-2019  
Report Number: P1327356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R15W2N902750DE010 3LSQCA30R 1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 733.0 lumens  
Efficiency: N/A  
Efficacy: 59.6 lumens/watt  
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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	94	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	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	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	4512	4512	4512	4512	4512
5°	13052	9854	3873	1591	1072
10°	33962	14690	2553	0	0
15°	135774	24052	1373	0	0
20°	554757	35464	422	0	0
25°	1096625	35155	0	0	0
30°	1378317	27742	0	0	0
35°	1176027	17009	0	0	0
40°	484174	5373	0	0	0
45°	104755	2241	0	0	0
50°	13423	0	0	0	0
55°	1171	0	240	0	0
60°	0	0	517	0	0
65°	0	0	611	0	0
70°	0	403	1158	0	0
75°	0	532	1530	0	0
80°	0	793	2281	0	0
85°	0	1581	4545	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2°  
 Vertical Angle: 45°  
 Luminance: 109626 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.5	0.5
10°-20°	51.4	7.0
20°-30°	299.4	40.8
30°-40°	321.0	43.8
40°-50°	54.2	7.4
50°-60°	1.6	0.2
60°-70°	0.5	0.1
70°-80°	0.7	0.1
80°-90°	0.6	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°	354.3	48.3
0°-40°	675.3	92.1
0°-60°	731.2	99.7
0°-90°	733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	76	57	22	9	6	10
15°	762	135	8	0	0	352
25°	5771	185	0	0	0	2611
35°	5594	81	0	0	0	3215
45°	430	9	0	0	0	508
55°	4	0	1	0	0	10
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	47.8	48.6	49.3	49.3	49.3	49.3	48.6	48.6	48.6	48.6	47.8
5°	75.5	75.5	75.5	75.5	75.5	75.5	74.8	74.8	74.8	74.8	74.8
7.5°	107.9	106.4	107.1	104.8	106.4	105.6	104.8	106.4	106.4	102.5	102.5
10°	194.2	193.5	185.8	187.3	188.8	188.1	188.1	183.4	182.7	179.6	176.5
12.5°	374.6	383.1	389.2	389.2	374.6	380.0	370.0	372.3	373.8	369.2	353.0
15°	761.5	775.4	760.8	774.6	769.2	749.2	726.9	696.8	708.4	687.5	680.6
17.5°	1668.0	1699.6	1686.5	1622.5	1643.3	1594.0	1563.2	1551.6	1519.2	1422.9	1382.8
20°	3026.9	3065.4	3029.2	2954.4	2978.3	2885.1	2861.2	2838.8	2695.4	2643.0	2475.0
21°	3598.8	3630.4	3644.3	3566.4	3518.7	3444.7	3383.0	3363.0	3275.9	3174.9	3002.2
22°	4289.4	4252.4	4169.2	4180.0	4109.1	4048.2	3962.6	3881.7	3784.6	3643.5	3500.9
23°	4861.4	4818.2	4778.9	4731.1	4654.8	4611.6	4489.1	4400.4	4274.0	4123.0	3985.8
24°	5394.0	5327.7	5303.0	5218.2	5196.7	5099.5	5000.1	4884.5	4731.9	4570.8	4418.9
25°	5770.9	5780.9	5759.3	5749.3	5639.1	5539.7	5441.0	5262.9	5132.7	4990.1	4756.5
26°	6174.8	6179.4	6168.6	6094.6	5995.2	5898.1	5770.9	5616.0	5427.1	5269.1	5057.9
27°	6483.9	6465.4	6450.0	6362.1	6280.4	6157.8	6042.2	5858.8	5674.5	5486.5	5241.4
28°	6730.5	6695.8	6676.6	6601.0	6505.5	6355.2	6213.3	6042.2	5858.0	5656.1	5390.9
29°	6879.3	6842.3	6820.7	6737.5	6627.2	6495.4	6352.1	6164.0	5965.9	5740.8	5474.1
30°	6930.9	6909.4	6875.4	6789.1	6675.0	6537.8	6390.6	6186.4	5979.0	5748.5	5466.4
31°	6897.0	6869.3	6836.9	6743.6	6620.3	6489.3	6318.2	6103.9	5885.7	5666.1	5367.0
32°	6762.1	6745.2	6705.9	6581.0	6480.8	6311.2	6142.4	5942.0	5703.8	5468.0	5197.4
33°	6509.3	6481.6	6447.7	6333.6	6205.6	6043.0	5875.0	5669.9	5433.3	5184.3	4886.8
34°	6123.9	6088.5	6046.1	5969.8	5806.4	5665.3	5471.1	5231.3	5035.6	4796.6	4527.6
35°	5593.6	5542.0	5491.1	5433.3	5249.8	5119.6	4988.5	4779.7	4590.8	4365.7	4061.3
36°	4998.6	4978.5	4936.9	4784.3	4724.9	4547.7	4442.1	4202.3	4049.7	3829.3	3578.0
37°	4325.7	4207.7	4267.9	4182.3	4003.5	3948.0	3822.3	3616.5	3451.6	3218.8	3036.9
38°	3604.2	3527.1	3569.5	3483.2	3389.9	3262.0	3166.4	3016.1	2831.1	2648.4	2475.8
39°	2856.5	2794.1	2840.4	2781.8	2640.0	2586.8	2502.0	2387.1	2238.4	2095.8	1932.4
40°	2153.6	2073.4	2135.1	2051.8	1987.1	1900.0	1856.8	1751.2	1658.7	1573.2	1469.1
42.5°	983.5	975.0	961.2	931.1	924.2	924.9	871.8	837.1	790.1	735.3	702.2
45°	430.1	440.9	450.1	433.2	432.4	423.2	420.1	397.0	387.7	370.0	348.4
47.5°	212.0	215.8	213.5	218.1	214.3	208.1	206.6	203.5	194.2	193.5	183.4
50°	50.1	49.3	49.3	50.1	49.3	49.3	48.6	47.0	46.2	47.0	44.7
52.5°	16.2	17.0	16.2	15.4	16.2	17.0	16.2	16.2	16.2	16.2	16.2
55°	3.9	3.9	3.9	3.9	3.9	3.9	3.1	3.1	3.9	3.9	3.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	47.0	40.1	33.1	26.2	19.3	15.4	14.6	13.9
5°	70.9	57.0	37.8	22.4	13.1	9.2	6.9	6.2
7.5°	95.6	70.9	41.6	18.5	9.2	3.9	1.5	0.8
10°	137.2	84.0	43.2	14.6	4.6	0.0	0.0	0.0
12.5°	269.0	96.3	42.4	11.6	0.8	0.0	0.0	0.0
15°	447.1	134.9	39.3	7.7	0.0	0.0	0.0	0.0
17.5°	732.2	174.2	33.9	5.4	0.0	0.0	0.0	0.0
20°	1135.4	193.5	26.2	2.3	0.0	0.0	0.0	0.0
21°	1331.2	195.0	23.1	1.5	0.0	0.0	0.0	0.0
22°	1500.7	195.0	20.0	0.8	0.0	0.0	0.0	0.0
23°	1658.0	192.7	17.7	0.0	0.0	0.0	0.0	0.0
24°	1787.5	189.6	16.2	0.0	0.0	0.0	0.0	0.0
25°	1884.6	185.0	14.6	0.0	0.0	0.0	0.0	0.0
26°	1929.3	178.8	12.3	0.0	0.0	0.0	0.0	0.0
27°	1951.6	170.3	10.8	0.0	0.0	0.0	0.0	0.0
28°	1936.2	161.1	9.2	0.0	0.0	0.0	0.0	0.0
29°	1897.7	151.1	6.9	0.0	0.0	0.0	0.0	0.0
30°	1847.6	139.5	5.4	0.0	0.0	0.0	0.0	0.0
31°	1774.4	128.0	3.9	0.0	0.0	0.0	0.0	0.0
32°	1674.2	116.4	3.1	0.0	0.0	0.0	0.0	0.0
33°	1540.0	104.1	1.5	0.0	0.0	0.0	0.0	0.0
34°	1374.3	91.7	0.8	0.0	0.0	0.0	0.0	0.0
35°	1188.6	80.9	0.0	0.0	0.0	0.0	0.0	0.0
36°	1029.0	69.4	0.0	0.0	0.0	0.0	0.0	0.0
37°	868.7	55.5	0.0	0.0	0.0	0.0	0.0	0.0
38°	727.6	43.9	0.0	0.0	0.0	0.0	0.0	0.0
39°	602.0	35.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	498.7	23.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	275.9	16.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	167.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	97.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3.1	0.0	0.0	0.8	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.8	1.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.8	1.5	0.8	0.0	0.0	0.0
65°	0.0	0.0	1.5	1.5	0.8	0.0	0.0	0.0
67.5°	0.0	0.0	1.5	2.3	0.8	0.0	0.0	0.0
70°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
72.5°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
75°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
77.5°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
80°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
85°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
87.5°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)