

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: P1320229

Luminaire Tested: LDSQA3D17R259840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320229  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259840DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

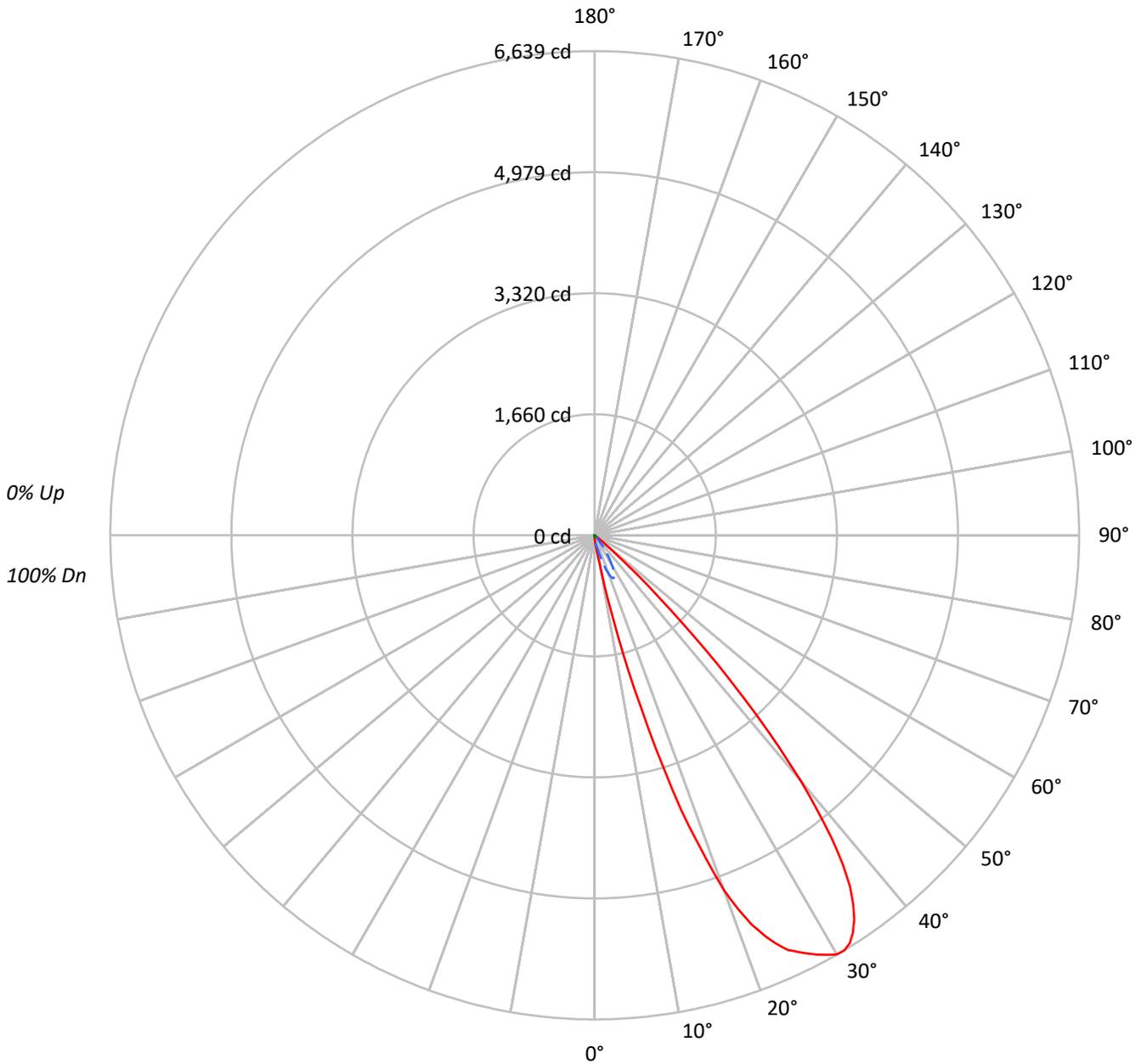
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1301.0 lumens  
Efficiency: N/A  
Efficacy: 63.8 lumens/watt  
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	7078	7078	7078	7078	7078
5°	22181	15507	6466	3440	2593
10°	69952	28103	4792	437	0
15°	432587	53543	2888	0	0
20°	948469	104375	916	0	0
25°	1192246	120059	0	0	0
30°	1319811	92930	0	0	0
35°	1299188	52666	0	0	0
40°	987525	13737	0	0	0
45°	400022	6065	0	0	0
50°	44396	670	0	0	0
55°	3363	0	360	0	0
60°	0	0	413	0	0
65°	0	0	1019	0	0
70°	0	604	1259	0	0
75°	0	799	2462	0	0
80°	0	1190	3670	0	0
85°	0	2371	7311	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 400022 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.4	0.5
10°-20°	134.4	10.3
20°-30°	469.7	36.1
30°-40°	524.0	40.3
40°-50°	158.3	12.2
50°-60°	5.3	0.4
60°-70°	0.7	0.1
70°-80°	1.1	0.1
80°-90°	1.0	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°	610.6	46.9
0°-40°	1134.6	87.2
0°-60°	1298.1	99.8
0°-90°	1301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1301.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	128	90	37	20	15	20
15°	2426	300	16	0	0	807
25°	6274	632	0	0	0	2862
35°	6179	250	0	0	0	3710
45°	1642	25	0	0	0	1418
55°	11	0	1	0	0	35
65°	0	0	2	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	71.0	73.5	72.3	73.5	72.3	72.3	72.3	73.5	72.3	72.3	72.3
5°	128.3	129.6	129.6	128.3	128.3	130.8	128.3	129.6	125.9	128.3	127.1
7.5°	210.6	208.1	208.1	209.3	209.3	206.9	205.6	203.1	205.6	205.6	201.9
10°	400.0	397.5	391.3	388.8	391.3	391.3	378.8	381.3	382.6	371.3	367.6
12.5°	1175.1	1166.3	1183.8	1156.4	1140.2	1114.0	1129.0	1077.9	1066.7	1059.2	1041.7
15°	2426.2	2492.2	2463.5	2466.0	2471.0	2408.7	2429.9	2352.6	2287.8	2267.9	2254.2
17.5°	3956.4	3976.3	3950.1	3937.7	3932.7	3902.8	3866.6	3828.0	3778.2	3734.6	3698.4
20°	5175.1	5160.1	5115.2	5120.2	5066.6	5039.2	5008.1	4969.4	4930.8	4867.3	4806.2
21°	5496.5	5452.9	5454.2	5424.3	5423.0	5388.1	5333.3	5293.4	5258.5	5186.3	5147.6
22°	5760.7	5750.8	5728.3	5705.9	5682.2	5664.8	5603.7	5583.8	5512.7	5452.9	5398.1
23°	5966.3	5970.1	5950.1	5935.2	5902.8	5895.3	5816.8	5789.4	5740.8	5649.8	5593.7
24°	6137.0	6130.8	6108.4	6082.2	6063.5	6046.1	5986.3	5941.4	5887.8	5813.1	5758.2
25°	6274.1	6259.2	6244.2	6224.3	6194.4	6174.4	6113.4	6063.5	6017.4	5933.9	5859.2
26°	6355.1	6358.8	6335.2	6320.2	6294.1	6274.1	6210.6	6152.0	6094.7	6005.0	5937.7
27°	6437.4	6433.6	6412.4	6390.0	6362.6	6355.1	6281.6	6220.5	6162.0	6067.3	5987.5
28°	6513.4	6503.4	6486.0	6459.8	6429.9	6407.4	6336.4	6272.9	6209.3	6108.4	6021.2
29°	6576.9	6566.9	6555.7	6522.1	6483.5	6468.5	6392.5	6315.2	6251.7	6148.3	6056.0
30°	6636.7	6618.0	6591.9	6563.2	6525.8	6497.2	6417.4	6350.1	6275.4	6160.7	6072.2
31°	6639.2	6614.3	6595.6	6565.7	6523.3	6488.4	6405.0	6336.4	6249.2	6142.0	6046.1
32°	6595.6	6583.1	6553.2	6520.8	6479.7	6444.8	6352.6	6280.3	6198.1	6083.5	5987.5
33°	6497.2	6484.7	6467.3	6433.6	6380.0	6347.6	6265.4	6185.6	6104.6	6001.2	5891.6
34°	6361.3	6346.4	6324.0	6290.3	6235.5	6201.8	6135.8	6053.6	5967.6	5860.4	5758.2
35°	6179.4	6150.7	6144.5	6094.7	6043.6	6034.9	5956.4	5870.4	5783.2	5664.8	5576.3
36°	5953.9	5920.2	5897.8	5880.3	5846.7	5805.6	5728.3	5659.8	5547.6	5471.6	5347.0
37°	5646.1	5605.0	5626.1	5578.8	5526.5	5509.0	5410.6	5348.3	5253.6	5150.1	5044.2
38°	5287.2	5283.5	5278.5	5257.3	5167.6	5121.5	5080.3	5014.3	4932.1	4807.5	4664.2
39°	4833.6	4841.1	4814.9	4817.4	4772.6	4726.5	4669.1	4594.4	4494.7	4381.3	4265.4
40°	4392.5	4286.6	4305.3	4241.7	4245.5	4176.9	4102.2	4036.1	3972.6	3872.9	3714.6
42.5°	3039.2	3023.0	2967.0	2927.1	2944.5	2856.1	2757.6	2665.4	2576.9	2464.8	2326.5
45°	1642.4	1605.0	1616.2	1551.4	1551.4	1511.5	1484.1	1406.8	1324.6	1273.5	1193.8
47.5°	610.6	618.1	631.8	605.6	575.7	593.1	567.0	567.0	553.3	537.1	514.6
50°	165.7	168.2	165.7	165.7	162.0	159.5	154.5	153.3	152.0	148.3	142.1
52.5°	67.3	63.6	63.6	64.8	64.8	62.3	63.6	63.6	62.3	61.1	61.1
55°	11.2	12.5	12.5	12.5	12.5	11.2	11.2	12.5	13.7	12.5	12.5
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°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	69.8	61.1	51.1	42.4	33.6	28.7	26.2	27.4
5°	118.4	89.7	58.6	37.4	26.2	19.9	16.2	15.0
7.5°	181.9	123.4	66.0	32.4	19.9	10.0	6.2	5.0
10°	279.1	160.7	71.0	27.4	12.5	2.5	0.0	0.0
12.5°	716.5	196.9	72.3	22.4	5.0	0.0	0.0	0.0
15°	1472.9	300.3	69.8	16.2	1.2	0.0	0.0	0.0
17.5°	2448.6	459.8	61.1	11.2	0.0	0.0	0.0	0.0
20°	3396.9	569.5	48.6	5.0	0.0	0.0	0.0	0.0
21°	3682.2	601.9	43.6	3.7	0.0	0.0	0.0	0.0
22°	3915.2	625.5	38.6	2.5	0.0	0.0	0.0	0.0
23°	4109.6	638.0	33.6	1.2	0.0	0.0	0.0	0.0
24°	4245.5	640.5	31.2	1.2	0.0	0.0	0.0	0.0
25°	4310.3	631.8	27.4	0.0	0.0	0.0	0.0	0.0
26°	4335.2	614.3	24.9	0.0	0.0	0.0	0.0	0.0
27°	4316.5	591.9	22.4	0.0	0.0	0.0	0.0	0.0
28°	4282.8	558.3	18.7	0.0	0.0	0.0	0.0	0.0
29°	4216.8	513.4	16.2	0.0	0.0	0.0	0.0	0.0
30°	4153.3	467.3	13.7	0.0	0.0	0.0	0.0	0.0
31°	4081.0	426.2	11.2	0.0	0.0	0.0	0.0	0.0
32°	3992.5	378.8	8.7	0.0	0.0	0.0	0.0	0.0
33°	3845.5	335.2	6.2	0.0	0.0	0.0	0.0	0.0
34°	3639.9	294.1	5.0	0.0	0.0	0.0	0.0	0.0
35°	3364.5	250.5	3.7	0.0	0.0	0.0	0.0	0.0
36°	3062.9	204.4	2.5	0.0	0.0	0.0	0.0	0.0
37°	2694.1	148.3	2.5	0.0	0.0	0.0	0.0	0.0
38°	2309.0	93.5	1.2	0.0	0.0	0.0	0.0	0.0
39°	1915.3	71.0	1.2	0.0	0.0	0.0	0.0	0.0
40°	1555.1	61.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	832.4	41.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	491.0	24.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	274.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	98.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13.7	0.0	0.0	1.2	0.0	0.0	0.0	0.0
57.5°	1.2	0.0	1.2	1.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.2	2.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.5	2.5	1.2	0.0	0.0	0.0
67.5°	0.0	1.2	2.5	2.5	1.2	0.0	0.0	0.0
70°	0.0	1.2	2.5	2.5	1.2	0.0	0.0	0.0
72.5°	0.0	1.2	2.5	3.7	1.2	0.0	0.0	0.0
75°	0.0	1.2	2.5	3.7	1.2	0.0	0.0	0.0
77.5°	0.0	1.2	2.5	3.7	1.2	0.0	0.0	0.0
80°	0.0	1.2	2.5	3.7	1.2	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	1.2	2.5	3.7	1.2	0.0	0.0	0.0
85°	0.0	1.2	2.5	3.7	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	2.5	3.7	1.2	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)