

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: P1311648

Luminaire Tested: LDSQA3D17R359040DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311648  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359040DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

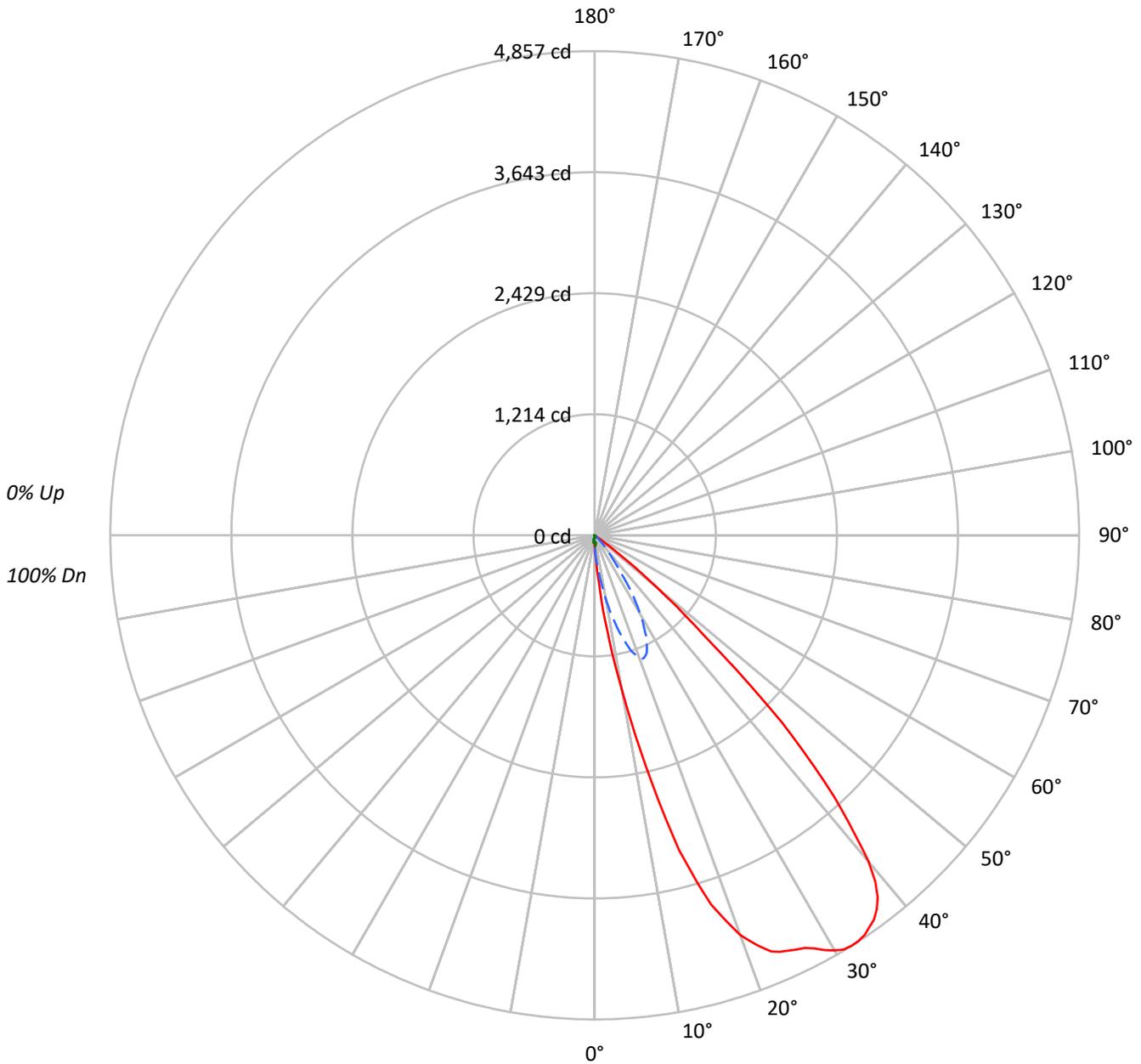
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1451.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	18841	18841	18841	18841	18841
5°	81842	50740	17478	6224	4305
10°	275488	114511	13063	1451	490
15°	582963	187819	8148	0	0
20°	781652	239999	3812	0	0
25°	873572	235690	798	0	0
30°	956325	180590	0	0	0
35°	1009302	98374	0	0	0
40°	959467	44200	0	0	0
45°	643947	19558	0	0	0
50°	215122	1849	0	0	0
55°	11650	0	0	0	0
60°	0	0	482	0	0
65°	0	0	1141	0	0
70°	0	705	1410	0	0
75°	0	932	1863	0	0
80°	0	1389	2777	0	0
85°	0	2766	5533	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 643947 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.5	1.6
10°-20°	201.3	13.9
20°-30°	441.7	30.4
30°-40°	510.9	35.2
40°-50°	252.2	17.4
50°-60°	18.7	1.3
60°-70°	0.7	0.0
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°	666.6	45.9
0°-40°	1177.5	81.1
0°-60°	1448.4	99.8
0°-90°	1451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1451.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	109	109	109	109	109	
5°	473	294	101	36	25	81
15°	3270	1053	46	0	0	923
25°	4597	1240	4	0	0	2125
35°	4801	468	0	0	0	2964
45°	2644	80	0	0	0	1941
55°	39	0	0	0	0	158
65°	0	0	3	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4
2.5°	217.3	222.9	220.1	220.1	218.7	211.8	199.3	195.2	180.0	142.6	110.7
5°	473.4	474.8	470.6	449.9	431.9	415.3	379.3	362.7	293.5	174.4	101.1
7.5°	960.7	939.9	913.6	884.5	820.9	762.7	686.6	606.3	454.0	202.1	90.0
10°	1575.3	1546.2	1524.1	1454.8	1340.0	1220.9	1075.6	944.1	654.8	221.5	74.7
12.5°	2368.5	2351.8	2272.9	2134.5	1964.3	1792.6	1539.3	1330.3	856.9	225.6	60.9
15°	3269.6	3241.9	3121.5	2924.9	2693.8	2423.8	2084.7	1733.1	1053.4	213.2	45.7
17.5°	3885.6	3870.4	3766.6	3560.3	3294.5	2951.2	2549.8	2111.0	1215.4	186.9	31.8
20°	4264.9	4242.7	4145.8	3971.4	3693.2	3334.7	2858.5	2351.8	1309.5	153.7	20.8
21°	4363.2	4341.0	4263.5	4082.2	3816.4	3431.6	2942.9	2410.0	1327.5	138.4	16.6
22°	4455.9	4433.8	4352.1	4191.5	3928.5	3527.1	3009.4	2454.3	1324.7	126.0	12.5
23°	4533.4	4509.9	4429.6	4281.5	4017.1	3611.5	3059.2	2476.4	1306.7	113.5	9.7
24°	4573.6	4559.7	4487.7	4347.9	4089.1	3671.0	3093.8	2484.7	1284.6	101.1	6.9
25°	4597.1	4580.5	4509.9	4381.2	4136.1	3718.1	3116.0	2477.8	1240.3	90.0	4.2
26°	4622.0	4597.1	4516.8	4392.2	4161.1	3740.3	3117.3	2459.8	1193.2	80.3	1.4
27°	4644.2	4620.6	4537.6	4400.5	4165.2	3733.3	3106.3	2425.2	1136.5	70.6	1.4
28°	4692.6	4666.3	4570.8	4418.5	4169.4	3715.3	3071.7	2378.1	1061.7	62.3	0.0
29°	4756.3	4728.6	4619.3	4461.4	4179.1	3696.0	3024.6	2315.9	996.7	55.4	0.0
30°	4808.9	4784.0	4682.9	4515.4	4204.0	3678.0	2969.2	2231.4	908.1	47.1	0.0
31°	4847.7	4822.7	4730.0	4561.1	4226.1	3661.3	2900.0	2144.2	827.8	41.5	0.0
32°	4857.3	4836.6	4749.4	4580.5	4226.1	3636.4	2836.3	2045.9	748.9	34.6	0.0
33°	4853.2	4832.4	4743.8	4566.7	4188.7	3576.9	2758.8	1928.3	658.9	30.5	0.0
34°	4838.0	4813.0	4718.9	4522.4	4115.4	3475.9	2646.7	1810.6	564.8	24.9	0.0
35°	4800.6	4778.4	4676.0	4439.3	4001.9	3322.2	2497.2	1674.9	467.9	20.8	0.0
36°	4764.6	4731.4	4605.4	4336.9	3852.4	3164.4	2318.6	1518.5	384.8	16.6	0.0
37°	4698.2	4651.1	4523.7	4188.7	3640.6	2941.5	2115.1	1346.9	322.5	12.5	0.0
38°	4609.6	4545.9	4383.9	4017.1	3427.4	2732.5	1924.1	1191.8	271.3	8.3	0.0
39°	4472.5	4397.8	4177.7	3781.8	3181.0	2490.3	1705.4	1027.1	231.2	5.5	0.0
40°	4267.7	4197.1	3953.4	3502.2	2936.0	2223.1	1481.2	841.6	196.6	2.8	0.0
42.5°	3553.4	3456.5	3174.1	2725.6	2170.5	1598.8	980.1	467.9	130.1	0.0	0.0
45°	2643.9	2558.1	2281.2	1872.9	1446.5	978.7	524.6	275.5	80.3	0.0	0.0
47.5°	1493.6	1483.9	1304.0	1075.6	807.0	520.5	265.8	166.1	34.6	0.0	0.0
50°	802.9	753.0	649.2	492.8	336.4	227.0	144.0	91.4	6.9	0.0	0.0
52.5°	293.5	283.8	238.1	197.9	152.3	103.8	73.4	40.1	0.0	0.0	0.0
55°	38.8	36.0	37.4	40.1	41.5	36.0	23.5	8.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	2.8	2.8	2.8	0.0	0.0	0.0	1.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
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):**

	112.5°	135°	157.5°	180°
0°	109.4	109.4	109.4	109.4
2.5°	84.4	65.1	55.4	54.0
5°	58.1	36.0	26.3	24.9
7.5°	40.1	18.0	12.5	11.1
10°	23.5	8.3	4.2	2.8
12.5°	13.8	1.4	0.0	0.0
15°	4.2	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.4	0.0	0.0	0.0
67.5°	1.4	0.0	0.0	0.0
70°	1.4	0.0	0.0	0.0
72.5°	1.4	0.0	0.0	0.0
75°	1.4	0.0	0.0	0.0
77.5°	1.4	0.0	0.0	0.0
80°	1.4	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	1.4	0.0	0.0	0.0
85°	1.4	0.0	0.0	0.0
87.5°	1.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)