

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: P1320263

Luminaire Tested: LDSQA3D17R359840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

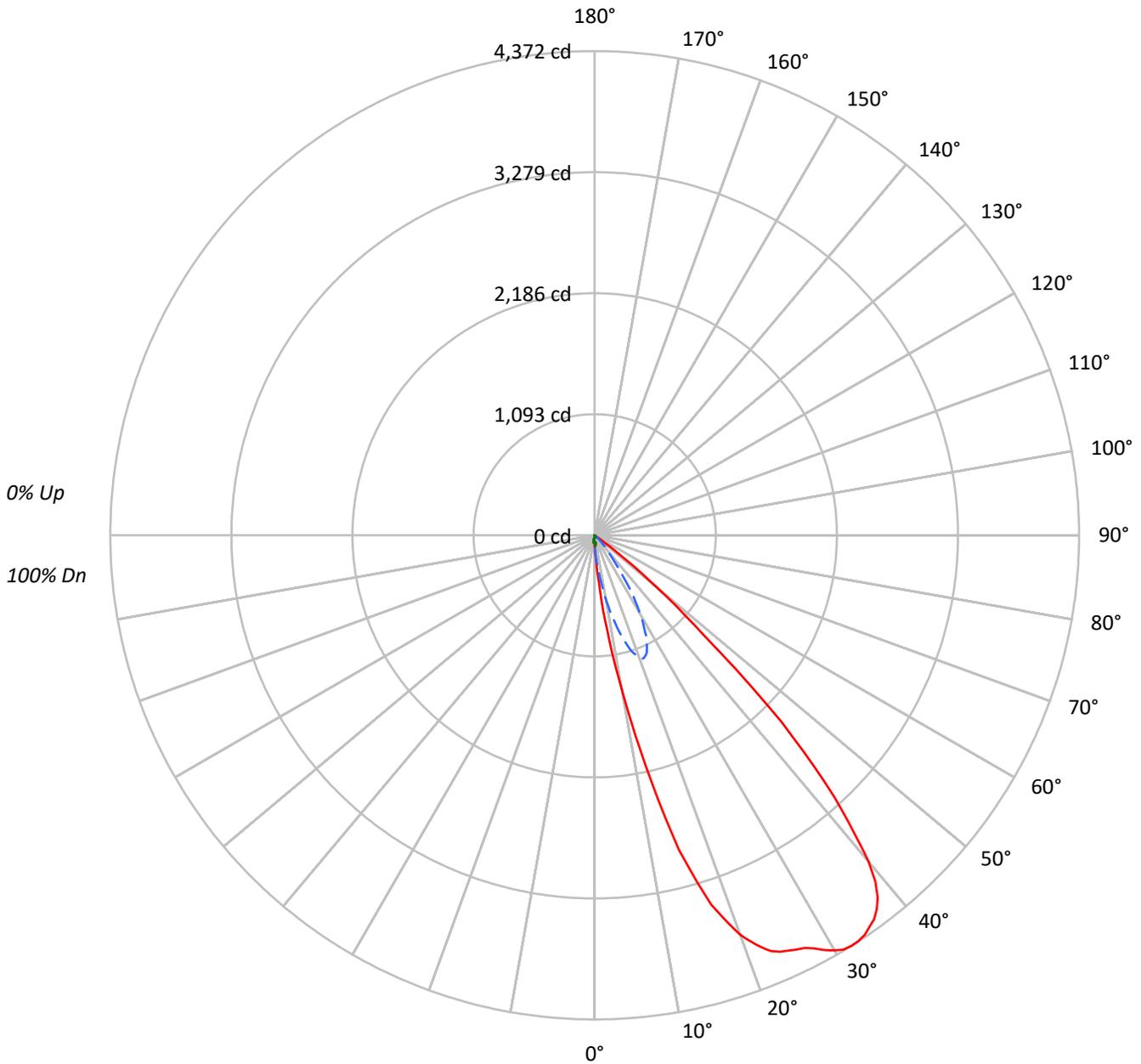
Test Method: LM-79-2019  
Report Number: P1320263  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359840DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1306.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 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): 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	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	55	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°	16947	16947	16947	16947	16947
5°	73664	45658	15732	5601	3873
10°	247962	103056	11769	1312	437
15°	524713	169044	7328	0	0
20°	703540	216009	3427	0	0
25°	786273	212127	703	0	0
30°	860750	162533	0	0	0
35°	908448	88534	0	0	0
40°	863581	39771	0	0	0
45°	579599	17609	0	0	0
50°	193607	1661	0	0	0
55°	10479	0	0	0	0
60°	0	0	413	0	0
65°	0	0	1019	0	0
70°	0	604	1259	0	0
75°	0	799	1664	0	0
80°	0	1190	2479	0	0
85°	0	2371	4940	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 579599 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.1	1.6
10°-20°	181.2	13.9
20°-30°	397.6	30.4
30°-40°	459.9	35.2
40°-50°	227.0	17.4
50°-60°	16.8	1.3
60°-70°	0.6	0.0
70°-80°	0.9	0.1
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°	599.9	45.9
0°-40°	1059.8	81.2
0°-60°	1303.6	99.8
0°-90°	1306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	98	98	98	98	98	
5°	426	264	91	32	22	73
15°	2943	948	41	0	0	830
25°	4138	1116	4	0	0	1913
35°	4321	421	0	0	0	2668
45°	2380	72	0	0	0	1747
55°	35	0	0	0	0	143
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°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2.5°	195.6	200.6	198.1	198.1	196.9	190.6	179.4	175.7	162.0	128.3	99.7
5°	426.1	427.4	423.6	404.9	388.7	373.8	341.4	326.4	264.1	157.0	91.0
7.5°	864.7	846.0	822.3	796.1	738.8	686.5	618.0	545.7	408.7	181.9	81.0
10°	1417.9	1391.7	1371.8	1309.5	1206.1	1098.9	968.1	849.7	589.3	199.3	67.3
12.5°	2131.8	2116.8	2045.8	1921.2	1768.0	1613.5	1385.5	1197.3	771.2	203.1	54.8
15°	2942.9	2918.0	2809.6	2632.6	2424.6	2181.6	1876.4	1559.9	948.1	191.9	41.1
17.5°	3497.3	3483.6	3390.2	3204.5	2965.3	2656.3	2295.0	1900.0	1093.9	168.2	28.7
20°	3838.7	3818.8	3731.5	3574.6	3324.1	3001.4	2572.8	2116.8	1178.6	138.3	18.7
21°	3927.1	3907.2	3837.4	3674.2	3435.0	3088.6	2648.8	2169.2	1194.8	124.6	15.0
22°	4010.6	3990.7	3917.2	3772.7	3535.9	3174.6	2708.6	2209.0	1192.3	113.4	11.2
23°	4080.4	4059.2	3987.0	3853.6	3615.7	3250.6	2753.5	2229.0	1176.2	102.2	8.7
24°	4116.5	4104.1	4039.3	3913.4	3680.5	3304.2	2784.6	2236.4	1156.2	91.0	6.2
25°	4137.7	4122.8	4059.2	3943.3	3722.8	3346.5	2804.6	2230.2	1116.3	81.0	3.7
26°	4160.1	4137.7	4065.4	3953.3	3745.2	3366.5	2805.8	2214.0	1074.0	72.3	1.2
27°	4180.1	4158.9	4084.1	3960.8	3749.0	3360.3	2795.9	2182.9	1022.9	63.5	1.2
28°	4223.7	4200.0	4114.0	3977.0	3752.7	3344.1	2764.7	2140.5	955.6	56.1	0.0
29°	4281.0	4256.1	4157.6	4015.6	3761.4	3326.6	2722.3	2084.4	897.1	49.8	0.0
30°	4328.3	4305.9	4215.0	4064.2	3783.9	3310.4	2672.5	2008.4	817.3	42.4	0.0
31°	4363.2	4340.8	4257.3	4105.3	3803.8	3295.5	2610.2	1929.9	745.1	37.4	0.0
32°	4371.9	4353.3	4274.8	4122.8	3803.8	3273.0	2552.9	1841.5	674.0	31.1	0.0
33°	4368.2	4349.5	4269.8	4110.3	3770.2	3219.5	2483.1	1735.6	593.1	27.4	0.0
34°	4354.5	4332.1	4247.4	4070.4	3704.1	3128.5	2382.2	1629.7	508.3	22.4	0.0
35°	4320.9	4300.9	4208.7	3995.7	3602.0	2990.2	2247.6	1507.6	421.1	18.7	0.0
36°	4288.5	4258.6	4145.2	3903.5	3467.4	2848.2	2086.9	1366.8	346.4	15.0	0.0
37°	4228.7	4186.3	4071.7	3770.2	3276.8	2647.6	1903.8	1212.3	290.3	11.2	0.0
38°	4148.9	4091.6	3945.8	3615.7	3084.9	2459.5	1731.8	1072.7	244.2	7.5	0.0
39°	4025.6	3958.3	3760.2	3403.9	2863.1	2241.4	1535.0	924.5	208.1	5.0	0.0
40°	3841.2	3777.6	3558.4	3152.2	2642.6	2001.0	1333.1	757.5	176.9	2.5	0.0
42.5°	3198.3	3111.1	2856.9	2453.2	1953.6	1439.0	882.1	421.1	117.1	0.0	0.0
45°	2379.7	2302.5	2053.3	1685.7	1302.0	880.9	472.2	247.9	72.3	0.0	0.0
47.5°	1344.4	1335.6	1173.7	968.1	726.4	468.5	239.2	149.5	31.1	0.0	0.0
50°	722.6	677.8	584.3	443.5	302.8	204.3	129.6	82.2	6.2	0.0	0.0
52.5°	264.1	255.4	214.3	178.2	137.1	93.4	66.0	36.1	0.0	0.0	0.0
55°	34.9	32.4	33.6	36.1	37.4	32.4	21.2	7.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	2.5	2.5	2.5	0.0	0.0	0.0	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5



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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	1.2	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
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°	98.4	98.4	98.4	98.4
2.5°	76.0	58.6	49.8	48.6
5°	52.3	32.4	23.7	22.4
7.5°	36.1	16.2	11.2	10.0
10°	21.2	7.5	3.7	2.5
12.5°	12.5	1.2	0.0	0.0
15°	3.7	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°	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0
72.5°	1.2	0.0	0.0	0.0
75°	1.2	0.0	0.0	0.0
77.5°	1.2	0.0	0.0	0.0
80°	1.2	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	1.2	0.0	0.0	0.0
85°	1.2	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)