

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: P1318623

Luminaire Tested: LDSQA3D20R259830D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

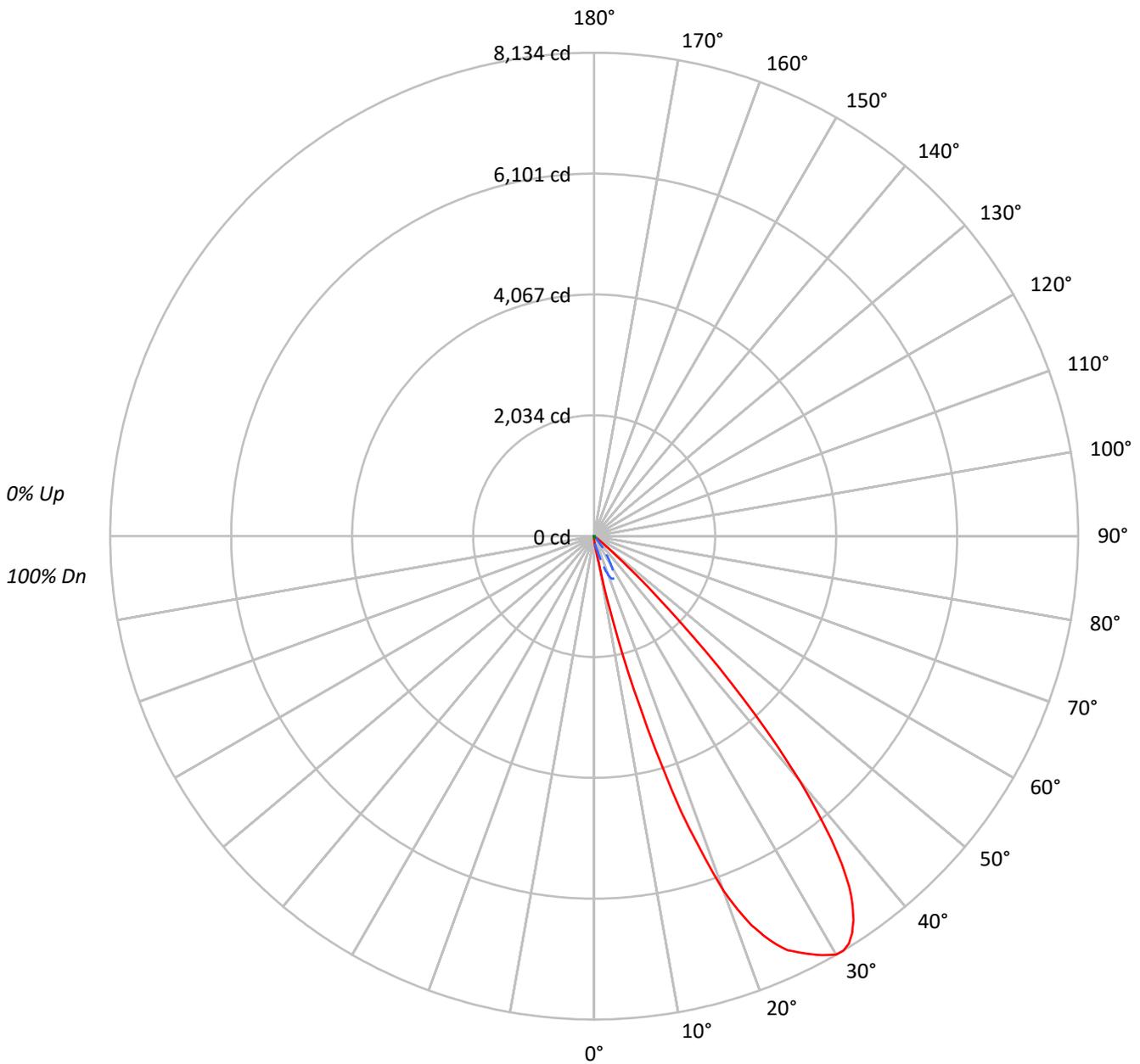
Test Method: LM-79-2019  
Report Number: P1318623  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R259830D010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1594.0 lumens  
Efficiency: N/A  
Efficacy: 58.2 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): 27.4  
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83				
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75				
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67				
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61				
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55				
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49				
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45				
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40				
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36				

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

	0°	45°	90°	135°	180°
0°	8680	8680	8680	8680	8680
5°	27194	19000	7918	4218	3164
10°	85708	34434	5876	542	0
15°	530009	65596	3530	0	0
20°	1162058	127871	1118	0	0
25°	1460754	147100	0	0	0
30°	1617056	113851	0	0	0
35°	1591786	64524	0	0	0
40°	1209918	16817	0	0	0
45°	490091	7429	0	0	0
50°	54417	831	0	0	0
55°	4114	0	450	0	0
60°	0	0	517	0	0
65°	0	0	1263	0	0
70°	0	755	1561	0	0
75°	0	998	3061	0	0
80°	0	1488	4562	0	0
85°	0	2964	9090	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 490091 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.9	0.5
10°-20°	164.6	10.3
20°-30°	575.5	36.1
30°-40°	642.0	40.3
40°-50°	193.9	12.2
50°-60°	6.5	0.4
60°-70°	0.9	0.1
70°-80°	1.4	0.1
80°-90°	1.3	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°	748.1	46.9
0°-40°	1390.1	87.2
0°-60°	1590.5	99.8
0°-90°	1594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1594.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	157	110	46	24	18	24
15°	2973	368	20	0	0	988
25°	7687	774	0	0	0	3507
35°	7571	307	0	0	0	4545
45°	2012	30	0	0	0	1738
55°	14	0	2	0	0	43
65°	0	0	3	0	0	0
75°	0	2	5	0	0	0
85°	0	2	5	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°	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
2.5°	87.0	90.1	88.6	90.1	88.6	88.6	88.6	90.1	88.6	88.6	88.6
5°	157.3	158.8	158.8	157.3	157.3	160.3	157.3	158.8	154.2	157.3	155.7
7.5°	258.0	255.0	255.0	256.5	256.5	253.4	251.9	248.9	251.9	251.9	247.3
10°	490.1	487.0	479.4	476.3	479.4	479.4	464.1	467.2	468.7	455.0	450.4
12.5°	1439.7	1429.0	1450.4	1416.8	1397.0	1364.9	1383.2	1320.6	1306.9	1297.7	1276.4
15°	2972.6	3053.5	3018.4	3021.4	3027.5	2951.2	2977.1	2882.5	2803.1	2778.7	2761.9
17.5°	4847.4	4871.8	4839.8	4824.5	4818.4	4781.7	4737.5	4690.1	4629.1	4575.6	4531.4
20°	6340.5	6322.2	6267.3	6273.4	6207.7	6174.1	6136.0	6088.6	6041.3	5963.4	5888.6
21°	6734.4	6681.0	6682.5	6645.9	6644.4	6601.6	6534.4	6485.6	6442.8	6354.3	6306.9
22°	7058.1	7045.9	7018.4	6990.9	6961.9	6940.5	6865.7	6841.3	6754.3	6681.0	6613.8
23°	7310.0	7314.6	7290.2	7271.8	7232.1	7223.0	7126.8	7093.2	7033.7	6922.2	6853.5
24°	7519.2	7511.5	7484.1	7452.0	7429.1	7407.7	7334.4	7279.5	7213.8	7122.2	7055.0
25°	7687.1	7668.8	7650.5	7626.0	7589.4	7565.0	7490.2	7429.1	7372.6	7270.3	7178.7
26°	7786.4	7790.9	7761.9	7743.6	7711.5	7687.1	7609.3	7537.5	7467.3	7357.3	7274.9
27°	7887.1	7882.5	7856.6	7829.1	7795.5	7786.4	7696.3	7621.5	7549.7	7433.7	7336.0
28°	7980.2	7968.0	7946.7	7914.6	7878.0	7850.5	7763.5	7685.6	7607.7	7484.1	7377.2
29°	8058.1	8045.9	8032.2	7990.9	7943.6	7925.3	7832.2	7737.5	7659.6	7532.9	7419.9
30°	8131.4	8108.5	8076.4	8041.3	7995.5	7960.4	7862.7	7780.2	7688.6	7548.2	7439.8
31°	8134.4	8103.9	8081.0	8044.4	7992.5	7949.7	7847.4	7763.5	7656.6	7525.3	7407.7
32°	8081.0	8065.7	8029.1	7989.4	7939.0	7896.3	7783.3	7694.7	7594.0	7453.5	7336.0
33°	7960.4	7945.1	7923.8	7882.5	7816.9	7777.2	7676.4	7578.7	7479.5	7352.8	7218.4
34°	7794.0	7775.7	7748.2	7707.0	7639.8	7598.6	7517.6	7416.9	7311.5	7180.2	7055.0
35°	7571.1	7536.0	7528.3	7467.3	7404.7	7394.0	7297.8	7192.5	7085.6	6940.5	6832.1
36°	7294.7	7253.5	7226.0	7204.7	7163.4	7113.1	7018.4	6934.4	6797.0	6703.9	6551.2
37°	6917.6	6867.3	6893.2	6835.2	6771.1	6749.7	6629.1	6552.8	6436.7	6310.0	6180.2
38°	6477.9	6473.4	6467.3	6441.3	6331.4	6274.9	6224.5	6143.6	6042.8	5890.1	5714.6
39°	5922.2	5931.4	5899.3	5902.4	5847.4	5790.9	5720.7	5629.1	5506.9	5368.0	5226.0
40°	5381.7	5252.0	5274.9	5197.0	5201.6	5117.6	5026.0	4945.1	4867.2	4745.1	4551.2
42.5°	3723.7	3703.9	3635.2	3586.3	3607.7	3499.3	3378.7	3265.7	3157.3	3019.9	2850.4
45°	2012.2	1966.4	1980.2	1900.8	1900.8	1851.9	1818.3	1723.7	1622.9	1560.3	1462.6
47.5°	748.1	757.3	774.1	742.0	705.4	726.7	694.7	694.7	677.9	658.0	630.5
50°	203.1	206.1	203.1	203.1	198.5	195.4	189.3	187.8	186.3	181.7	174.0
52.5°	82.4	77.9	77.9	79.4	79.4	76.3	77.9	77.9	76.3	74.8	74.8
55°	13.7	15.3	15.3	15.3	15.3	13.7	13.7	15.3	16.8	15.3	15.3
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°	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
2.5°	85.5	74.8	62.6	51.9	41.2	35.1	32.1	33.6
5°	145.0	109.9	71.8	45.8	32.1	24.4	19.8	18.3
7.5°	222.9	151.1	80.9	39.7	24.4	12.2	7.6	6.1
10°	342.0	196.9	87.0	33.6	15.3	3.1	0.0	0.0
12.5°	877.9	241.2	88.6	27.5	6.1	0.0	0.0	0.0
15°	1804.6	367.9	85.5	19.8	1.5	0.0	0.0	0.0
17.5°	3000.0	563.4	74.8	13.7	0.0	0.0	0.0	0.0
20°	4161.9	697.7	59.5	6.1	0.0	0.0	0.0	0.0
21°	4511.5	737.4	53.4	4.6	0.0	0.0	0.0	0.0
22°	4797.0	766.4	47.3	3.1	0.0	0.0	0.0	0.0
23°	5035.2	781.7	41.2	1.5	0.0	0.0	0.0	0.0
24°	5201.6	784.7	38.2	1.5	0.0	0.0	0.0	0.0
25°	5281.0	774.1	33.6	0.0	0.0	0.0	0.0	0.0
26°	5311.5	752.7	30.5	0.0	0.0	0.0	0.0	0.0
27°	5288.6	725.2	27.5	0.0	0.0	0.0	0.0	0.0
28°	5247.4	684.0	22.9	0.0	0.0	0.0	0.0	0.0
29°	5166.5	629.0	19.8	0.0	0.0	0.0	0.0	0.0
30°	5088.6	572.5	16.8	0.0	0.0	0.0	0.0	0.0
31°	5000.1	522.1	13.7	0.0	0.0	0.0	0.0	0.0
32°	4891.7	464.1	10.7	0.0	0.0	0.0	0.0	0.0
33°	4711.5	410.7	7.6	0.0	0.0	0.0	0.0	0.0
34°	4459.6	360.3	6.1	0.0	0.0	0.0	0.0	0.0
35°	4122.2	306.9	4.6	0.0	0.0	0.0	0.0	0.0
36°	3752.7	250.4	3.1	0.0	0.0	0.0	0.0	0.0
37°	3300.8	181.7	3.1	0.0	0.0	0.0	0.0	0.0
38°	2829.0	114.5	1.5	0.0	0.0	0.0	0.0	0.0
39°	2346.6	87.0	1.5	0.0	0.0	0.0	0.0	0.0
40°	1905.4	74.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1019.9	50.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	601.5	30.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	335.9	12.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	120.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	47.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	16.8	0.0	0.0	1.5	0.0	0.0	0.0	0.0
57.5°	1.5	0.0	1.5	1.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.5	3.1	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.1	3.1	1.5	0.0	0.0	0.0
67.5°	0.0	1.5	3.1	3.1	1.5	0.0	0.0	0.0
70°	0.0	1.5	3.1	3.1	1.5	0.0	0.0	0.0
72.5°	0.0	1.5	3.1	4.6	1.5	0.0	0.0	0.0
75°	0.0	1.5	3.1	4.6	1.5	0.0	0.0	0.0
77.5°	0.0	1.5	3.1	4.6	1.5	0.0	0.0	0.0
80°	0.0	1.5	3.1	4.6	1.5	0.0	0.0	0.0



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	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.5	3.1	4.6	1.5	0.0	0.0	0.0
85°	0.0	1.5	3.1	4.6	1.5	0.0	0.0	0.0
87.5°	0.0	1.5	3.1	4.6	1.5	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)