

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: P1308262

Luminaire Tested: LDSQA3D17R259027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

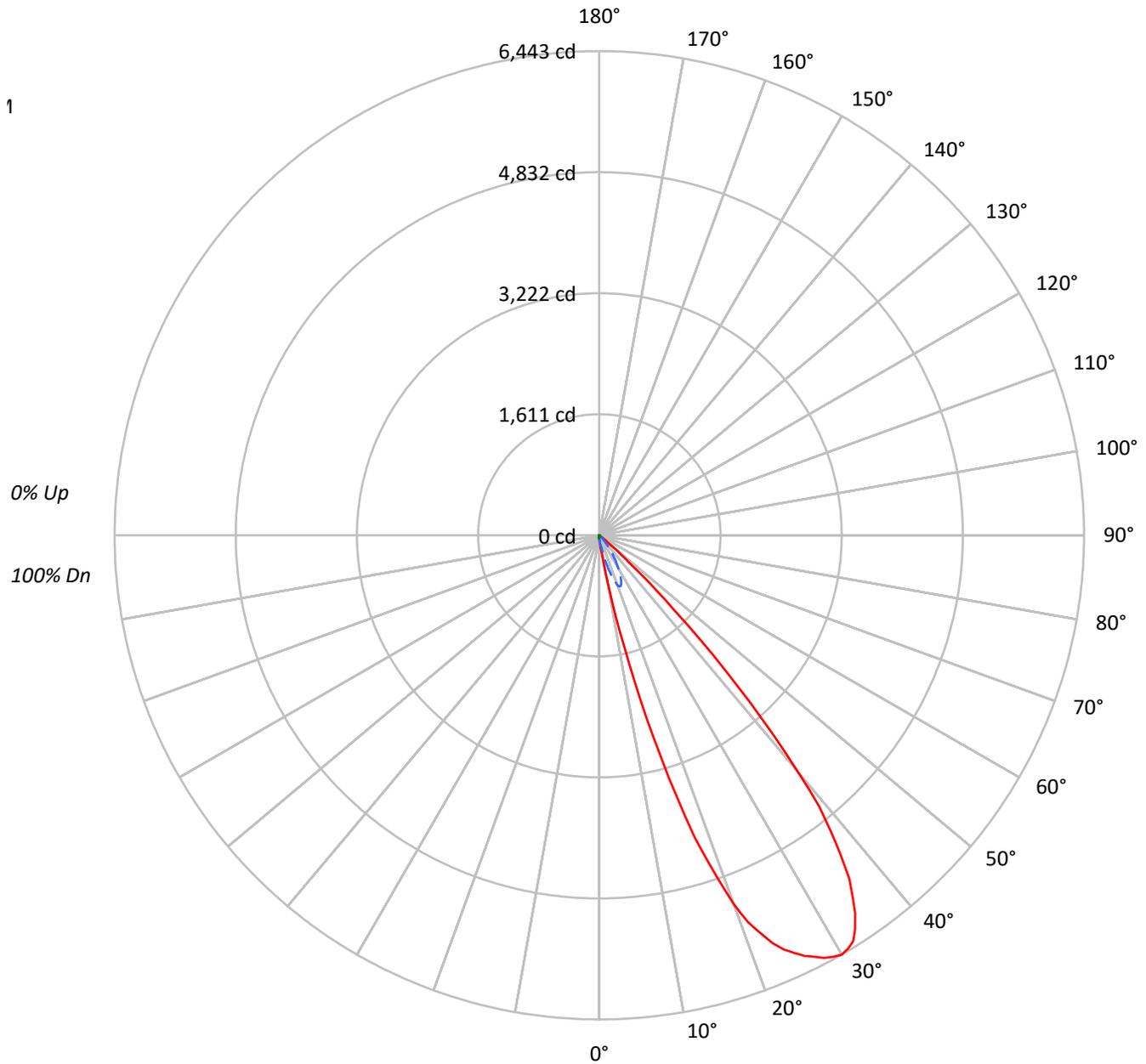
Test Method: LM-79-2019  
Report Number: P1308262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259027DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1289.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
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				
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	104	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	9524	9524	9524	9524	9524
5°	23909	17668	8938	4581	3527
10°	104525	30079	7362	2099	1469
15°	497059	81054	5153	856	642
20°	956826	129832	3299	220	220
25°	1165300	130947	1824	0	0
30°	1281211	100208	716	0	0
35°	1234685	63725	252	0	0
40°	922552	27585	0	0	270
45°	341544	7331	292	292	877
50°	40270	965	643	643	1286
55°	3963	0	721	1081	1802
60°	413	0	1240	1653	2067
65°	489	489	1956	2445	2934
70°	604	604	2417	2417	3626
75°	799	799	2396	2396	3194
80°	0	1190	3570	2380	3570
85°	0	2371	7114	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 341544 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.0	0.6
10°-20°	150.3	11.7
20°-30°	471.7	36.6
30°-40°	496.5	38.5
40°-50°	145.9	11.3
50°-60°	7.8	0.6
60°-70°	3.8	0.3
70°-80°	3.3	0.3
80°-90°	1.7	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°	630.0	48.9
0°-40°	1126.6	87.4
0°-60°	1280.2	99.3
0°-90°	1289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1289.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	55	55	55	55	55	
5°	138	102	52	26	20	25
15°	2788	455	29	5	4	879
25°	6132	689	10	0	0	2813
35°	5873	303	1	0	0	3544
45°	1402	30	1	1	4	1274
55°	13	0	2	4	6	34
65°	1	1	5	6	7	1
75°	1	1	4	4	5	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
2.5°	85.4	86.6	83.0	85.4	83.0	81.8	80.6	74.6	64.9	55.3	45.7
5°	138.3	138.3	132.3	131.1	128.7	123.9	119.1	102.2	73.4	51.7	36.1
7.5°	216.5	215.3	212.9	206.9	194.8	182.8	170.8	133.5	80.6	48.1	27.7
10°	597.7	589.3	578.5	513.5	440.2	375.2	318.7	172.0	86.6	42.1	20.4
12.5°	1485.3	1437.2	1322.9	1193.0	1027.1	852.7	681.9	280.2	89.0	34.9	14.4
15°	2787.8	2687.9	2509.9	2250.2	1911.0	1529.8	1205.1	454.6	86.6	28.9	10.8
17.5°	4209.3	4113.1	3866.5	3472.1	2973.0	2387.3	1812.4	602.5	80.6	24.1	7.2
20°	5220.7	5118.5	4887.6	4469.1	3929.1	3148.5	2386.1	708.4	75.8	18.0	3.6
21°	5516.6	5414.3	5170.2	4766.1	4198.5	3415.5	2570.1	726.4	72.2	15.6	2.4
22°	5704.2	5644.1	5381.9	4989.8	4411.3	3629.6	2727.6	734.8	69.8	14.4	2.4
23°	5893.0	5802.8	5557.5	5143.7	4573.7	3788.4	2844.3	728.8	67.3	12.0	1.2
24°	6032.5	5956.7	5671.7	5262.8	4686.7	3885.8	2912.8	713.2	63.7	10.8	1.2
25°	6132.3	6062.6	5765.5	5343.4	4762.5	3938.7	2934.5	689.1	60.1	9.6	1.2
26°	6227.3	6151.6	5843.7	5390.3	4802.2	3955.5	2914.0	662.7	56.5	8.4	0.0
27°	6295.9	6218.9	5897.8	5418.0	4804.6	3935.1	2858.7	626.6	52.9	7.2	0.0
28°	6369.3	6280.3	5935.1	5433.6	4790.2	3887.0	2779.3	588.1	50.5	6.0	0.0
29°	6413.8	6329.6	5973.6	5450.4	4760.1	3806.4	2663.9	542.4	44.5	3.6	0.0
30°	6442.6	6342.8	5970.0	5432.4	4720.4	3719.8	2525.6	503.9	38.5	3.6	0.0
31°	6418.6	6313.9	5931.5	5381.9	4656.7	3606.8	2383.7	455.8	31.3	2.4	0.0
32°	6366.8	6243.0	5864.1	5294.1	4542.4	3461.2	2236.9	416.1	22.9	2.4	0.0
33°	6240.6	6135.9	5742.7	5176.2	4393.3	3264.0	2045.7	377.6	15.6	1.2	0.0
34°	6081.8	5977.2	5576.7	5018.7	4193.7	3009.0	1813.6	337.9	13.2	1.2	0.0
35°	5872.6	5769.1	5389.1	4798.6	3929.1	2702.4	1574.3	303.1	10.8	1.2	0.0
36°	5652.5	5515.4	5152.2	4564.1	3574.3	2353.6	1318.1	263.4	8.4	1.2	0.0
37°	5329.0	5236.4	4833.5	4206.9	3190.6	2019.3	1131.7	227.3	6.0	1.2	0.0
38°	4993.4	4908.0	4514.8	3847.3	2762.5	1688.5	947.7	192.4	4.8	0.0	0.0
39°	4647.1	4505.1	4116.7	3386.7	2313.9	1414.3	797.4	161.2	2.4	0.0	0.0
40°	4103.5	3995.2	3580.3	2833.5	1914.6	1146.1	679.5	122.7	2.4	0.0	0.0
42.5°	2720.4	2619.4	2184.0	1537.0	1017.4	669.9	448.6	48.1	0.0	1.2	0.0
45°	1402.3	1338.6	1087.2	804.6	577.3	411.3	288.6	30.1	0.0	1.2	1.2
47.5°	556.8	546.0	493.1	425.7	328.3	244.1	157.5	13.2	0.0	1.2	1.2
50°	150.3	151.5	141.9	131.1	119.1	111.8	66.1	3.6	0.0	2.4	1.2
52.5°	63.7	64.9	62.5	58.9	52.9	39.7	26.5	1.2	1.2	2.4	2.4
55°	13.2	14.4	15.6	16.8	19.2	16.8	10.8	0.0	1.2	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	3.6	3.6	2.4	0.0	1.2	2.4	3.6
60°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.4	3.6	3.6
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	4.8	4.8
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	4.8	4.8
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	4.8	4.8
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	4.8	3.6
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	3.6	3.6
77.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4	3.6	3.6
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4	3.6	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	3.6	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	2.4
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):**

	135°	157.5°	180°
0°	55.3	55.3	55.3
2.5°	38.5	34.9	33.7
5°	26.5	22.9	20.4
7.5°	18.0	14.4	13.2
10°	12.0	9.6	8.4
12.5°	8.4	4.8	4.8
15°	4.8	3.6	3.6
17.5°	2.4	1.2	1.2
20°	1.2	1.2	1.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	1.2
39°	0.0	1.2	1.2
40°	0.0	1.2	1.2
42.5°	0.0	1.2	2.4
45°	1.2	2.4	3.6
47.5°	2.4	3.6	4.8
50°	2.4	4.8	4.8
52.5°	3.6	4.8	6.0
55°	3.6	6.0	6.0
57.5°	4.8	6.0	7.2
60°	4.8	6.0	6.0
62.5°	4.8	7.2	7.2
65°	6.0	7.2	7.2
67.5°	6.0	7.2	7.2
70°	4.8	6.0	7.2
72.5°	4.8	6.0	6.0
75°	3.6	4.8	4.8
77.5°	3.6	3.6	4.8
80°	2.4	3.6	3.6



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	2.4	2.4	2.4
85°	1.2	1.2	1.2
87.5°	1.2	1.2	1.2
90°	0.0	0.0	0.0

(END OF REPORT)