

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: P1312693

Luminaire Tested: LDSQA3D17R259050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

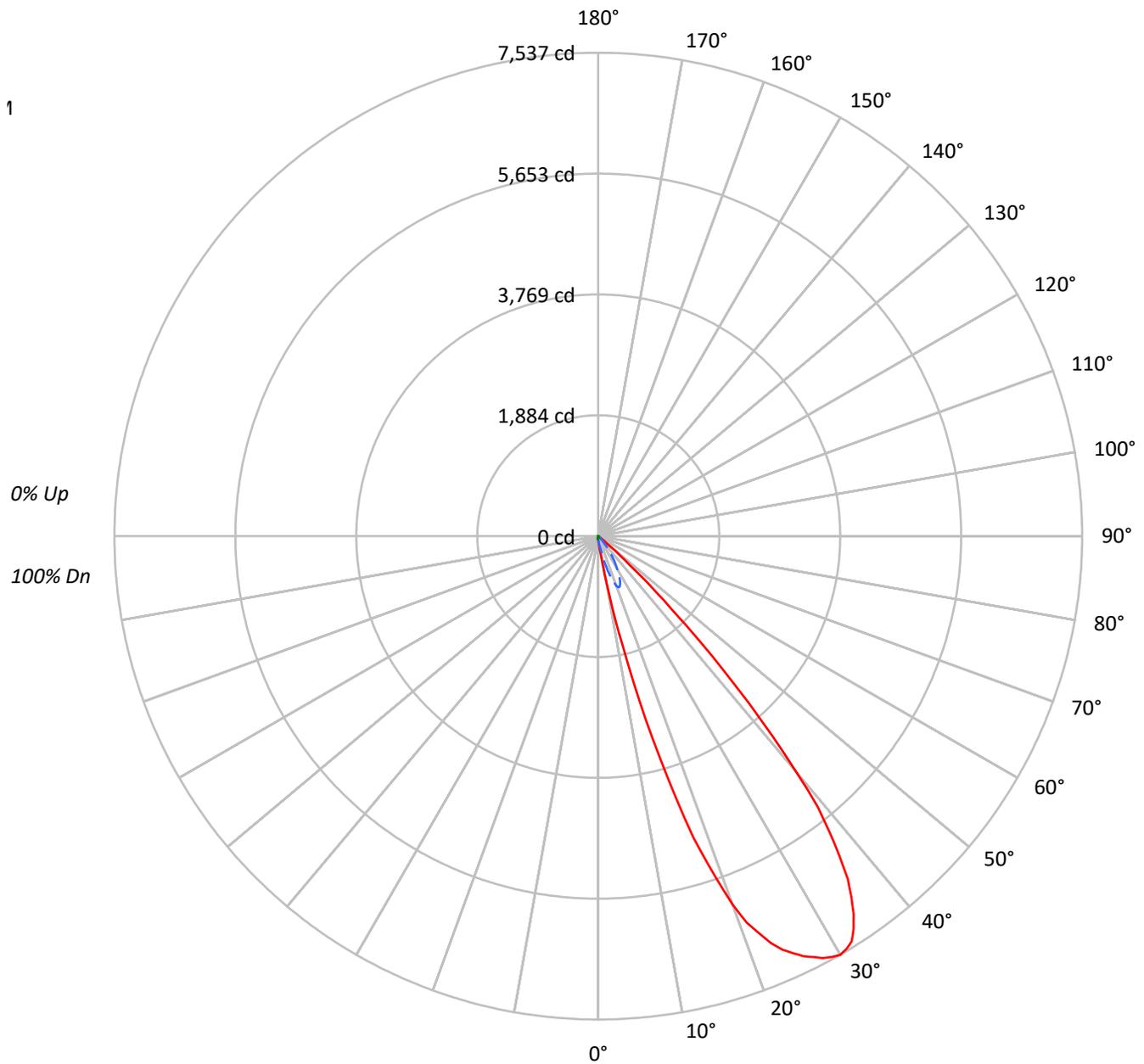
Test Method: LM-79-2019  
Report Number: P1312693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259050DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1507.9 lumens  
Efficiency: N/A  
Efficacy: 71.1 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°	11143	11143	11143	11143	11143
5°	27972	20677	10459	5359	4132
10°	122293	35186	8604	2466	1714
15°	581501	94819	6026	998	749
20°	1119392	151880	3867	257	257
25°	1363289	153199	2147	0	0
30°	1498890	117231	835	0	0
35°	1444446	74553	294	0	0
40°	1079274	32262	0	0	315
45°	399560	8573	341	341	1023
50°	47129	1125	750	750	1500
55°	4654	0	841	1261	2102
60°	482	0	1447	1929	2411
65°	571	571	2282	2853	3423
70°	705	705	2820	2820	4230
75°	932	932	2795	2795	3726
80°	0	1389	4166	2777	4166
85°	0	2766	8299	2766	2766

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 399560 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.4	0.6
10°-20°	175.8	11.7
20°-30°	551.8	36.6
30°-40°	580.9	38.5
40°-50°	170.7	11.3
50°-60°	9.1	0.6
60°-70°	4.4	0.3
70°-80°	3.8	0.3
80°-90°	2.0	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°	737.1	48.9
0°-40°	1318.0	87.4
0°-60°	1497.7	99.3
0°-90°	1507.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	162	120	60	31	24	29
15°	3261	532	34	6	4	1028
25°	7174	806	11	0	0	3291
35°	6870	355	1	0	0	4146
45°	1640	35	1	1	4	1491
55°	16	0	3	4	7	39
65°	1	1	6	7	8	1
75°	1	1	4	4	6	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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
2.5°	99.9	101.3	97.1	99.9	97.1	95.7	94.3	87.2	76.0	64.7	53.5
5°	161.8	161.8	154.8	153.4	150.5	144.9	139.3	119.6	85.8	60.5	42.2
7.5°	253.3	251.8	249.0	242.0	227.9	213.9	199.8	156.2	94.3	56.3	32.4
10°	699.3	689.4	676.8	600.8	515.0	439.0	372.9	201.2	101.3	49.2	23.9
12.5°	1737.6	1681.3	1547.7	1395.7	1201.6	997.6	797.8	327.8	104.1	40.8	16.9
15°	3261.4	3144.6	2936.4	2632.5	2235.7	1789.7	1409.8	531.8	101.3	33.8	12.7
17.5°	4924.4	4811.9	4523.5	4062.0	3478.1	2792.9	2120.3	704.9	94.3	28.1	8.4
20°	6107.7	5988.1	5718.0	5228.3	4596.6	3683.5	2791.5	828.7	88.6	21.1	4.2
21°	6453.8	6334.2	6048.6	5575.9	4911.8	3995.8	3006.7	849.8	84.4	18.3	2.8
22°	6673.3	6603.0	6296.2	5837.6	5160.8	4246.3	3191.0	859.7	81.6	16.9	2.8
23°	6894.2	6788.7	6501.7	6017.7	5350.8	4432.0	3327.5	852.6	78.8	14.1	1.4
24°	7057.4	6968.8	6635.3	6157.0	5483.0	4546.0	3407.7	834.3	74.6	12.7	1.4
25°	7174.2	7092.6	6745.1	6251.2	5571.7	4607.9	3433.0	806.2	70.3	11.3	1.4
26°	7285.4	7196.7	6836.5	6306.1	5618.1	4627.6	3409.1	775.2	66.1	9.8	0.0
27°	7365.6	7275.5	6899.8	6338.5	5620.9	4603.6	3344.4	733.0	61.9	8.4	0.0
28°	7451.4	7347.3	6943.5	6356.7	5604.0	4547.4	3251.5	688.0	59.1	7.0	0.0
29°	7503.4	7405.0	6988.5	6376.4	5568.8	4453.1	3116.5	634.5	52.1	4.2	0.0
30°	7537.2	7420.4	6984.3	6355.3	5522.4	4351.8	2954.7	589.5	45.0	4.2	0.0
31°	7509.1	7386.7	6939.2	6296.2	5447.8	4219.5	2788.6	533.2	36.6	2.8	0.0
32°	7448.6	7303.6	6860.4	6193.5	5314.2	4049.3	2617.0	486.8	26.7	2.8	0.0
33°	7300.8	7178.4	6718.3	6055.7	5139.7	3818.6	2393.3	441.8	18.3	1.4	0.0
34°	7115.1	6992.7	6524.2	5871.3	4906.2	3520.3	2121.7	395.4	15.5	1.4	0.0
35°	6870.3	6749.3	6304.7	5613.9	4596.6	3161.5	1841.7	354.6	12.7	1.4	0.0
36°	6612.8	6452.4	6027.5	5339.5	4181.6	2753.5	1542.1	308.1	9.8	1.4	0.0
37°	6234.3	6126.0	5654.7	4921.6	3732.7	2362.3	1324.0	265.9	7.0	1.4	0.0
38°	5841.8	5741.9	5281.8	4500.9	3231.8	1975.4	1108.7	225.1	5.6	0.0	0.0
39°	5436.6	5270.6	4816.1	3962.1	2707.0	1654.6	932.8	188.5	2.8	0.0	0.0
40°	4800.6	4674.0	4188.6	3314.9	2239.9	1340.9	794.9	143.5	2.8	0.0	0.0
42.5°	3182.6	3064.4	2555.1	1798.1	1190.3	783.7	524.8	56.3	0.0	1.4	0.0
45°	1640.5	1566.0	1271.9	941.3	675.4	481.2	337.7	35.2	0.0	1.4	1.4
47.5°	651.4	638.8	576.9	498.1	384.1	285.6	184.3	15.5	0.0	1.4	1.4
50°	175.9	177.3	166.0	153.4	139.3	130.8	77.4	4.2	0.0	2.8	1.4
52.5°	74.6	76.0	73.2	68.9	61.9	46.4	31.0	1.4	1.4	2.8	2.8
55°	15.5	16.9	18.3	19.7	22.5	19.7	12.7	0.0	1.4	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	4.2	4.2	2.8	0.0	1.4	2.8	4.2
60°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	2.8	4.2	4.2
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	5.6
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.6	5.6
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.6	5.6
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.6	5.6
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.6	4.2
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	4.2	4.2
77.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.2	4.2
80°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.2	2.8



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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	1.4	1.4	2.8	4.2	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	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):**

	135°	157.5°	180°
0°	64.7	64.7	64.7
2.5°	45.0	40.8	39.4
5°	31.0	26.7	23.9
7.5°	21.1	16.9	15.5
10°	14.1	11.3	9.8
12.5°	9.8	5.6	5.6
15°	5.6	4.2	4.2
17.5°	2.8	1.4	1.4
20°	1.4	1.4	1.4
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	1.4
39°	0.0	1.4	1.4
40°	0.0	1.4	1.4
42.5°	0.0	1.4	2.8
45°	1.4	2.8	4.2
47.5°	2.8	4.2	5.6
50°	2.8	5.6	5.6
52.5°	4.2	5.6	7.0
55°	4.2	7.0	7.0
57.5°	5.6	7.0	8.4
60°	5.6	7.0	7.0
62.5°	5.6	8.4	8.4
65°	7.0	8.4	8.4
67.5°	7.0	8.4	8.4
70°	5.6	7.0	8.4
72.5°	5.6	7.0	7.0
75°	4.2	5.6	5.6
77.5°	4.2	4.2	5.6
80°	2.8	4.2	4.2



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	2.8	2.8	2.8
85°	1.4	1.4	1.4
87.5°	1.4	1.4	1.4
90°	0.0	0.0	0.0

(END OF REPORT)