

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: P1320393

Luminaire Tested: LDSQA3D20R309840D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309840D010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

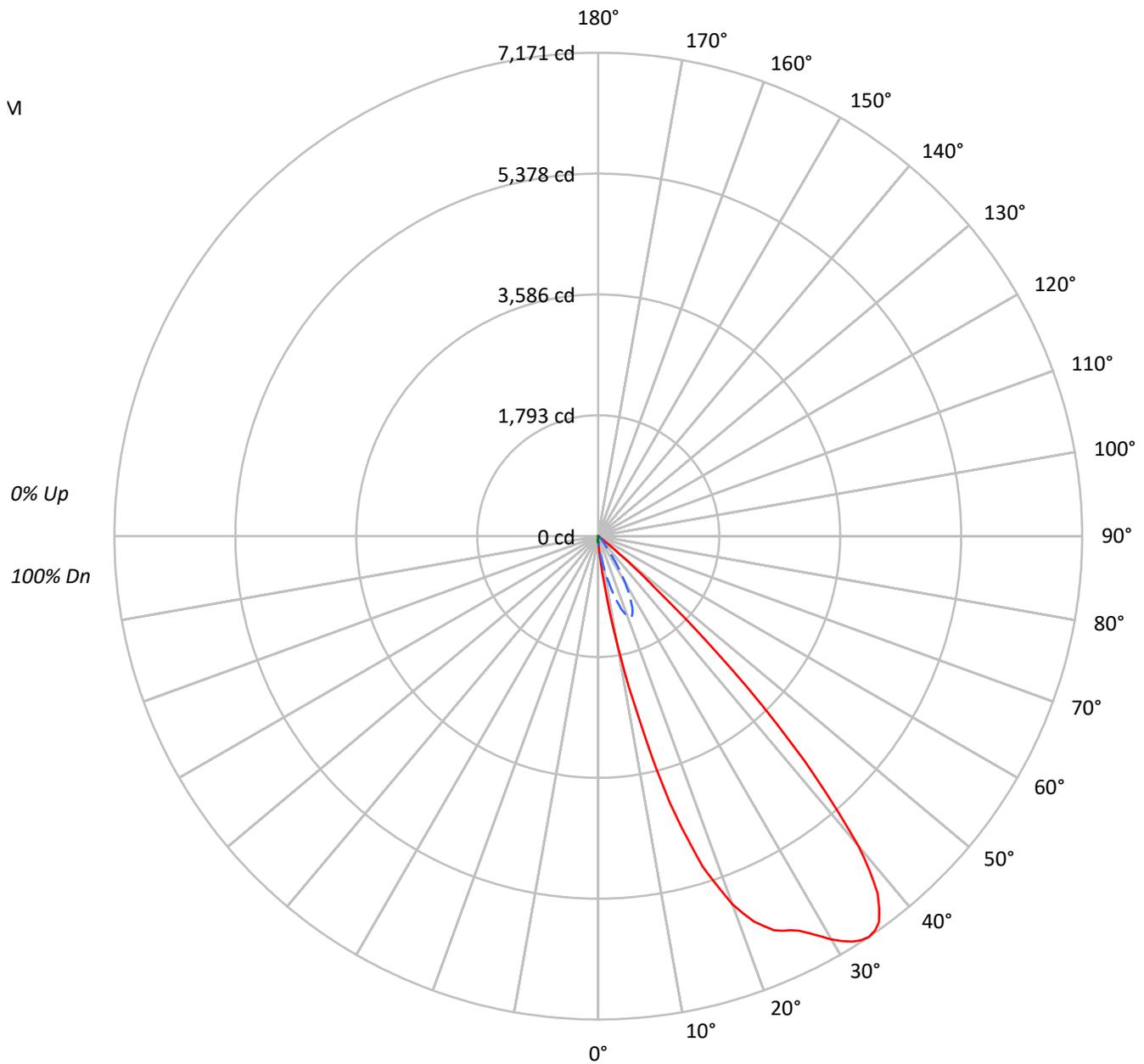
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1726.0 lumens  
Efficiency: N/A  
Efficacy: 63.0 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22  
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 (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	100				100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68				68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61				61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55				55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41				41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37				37

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

	0°	45°	90°	135°	180°
0°	15896	15896	15896	15896	15896
5°	57690	35838	14557	5878	4201
10°	285526	85831	11332	1137	0
15°	728347	163464	7221	0	0
20°	1064244	232448	2969	0	0
25°	1227800	228070	608	0	0
30°	1374141	156547	0	0	0
35°	1502831	67426	0	0	0
40°	1348834	26214	0	0	0
45°	688811	10644	0	0	0
50°	106315	1313	0	0	0
55°	6336	0	480	0	0
60°	0	0	551	0	0
65°	0	0	1304	0	0
70°	0	806	1611	0	0
75°	0	1065	3261	0	0
80°	0	1587	4860	0	0
85°	0	3162	9683	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 688811 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.3	1.1
10°-20°	230.0	13.3
20°-30°	568.3	32.9
30°-40°	653.6	37.9
40°-50°	242.4	14.0
50°-60°	8.8	0.5
60°-70°	0.8	0.0
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°	817.6	47.4
0°-40°	1471.1	85.2
0°-60°	1722.4	99.8
0°-90°	1726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	92	92	92	92	92	
5°	334	207	84	34	24	72
15°	4085	917	40	0	0	1174
25°	6461	1200	3	0	0	2985
35°	7148	321	0	0	0	4334
45°	2828	44	0	0	0	2202
55°	21	0	2	0	0	72
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°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2.5°	163.6	165.2	165.2	160.4	158.7	157.1	152.3	137.7	115.0	92.3	74.5
5°	333.7	335.3	335.3	325.6	306.1	286.7	270.5	207.3	132.8	84.2	55.1
7.5°	787.2	788.8	754.8	715.9	638.2	597.7	523.2	319.1	150.6	76.1	35.6
10°	1632.7	1597.1	1508.0	1394.6	1274.7	1119.3	962.1	490.8	163.6	64.8	22.7
12.5°	2729.3	2695.3	2580.3	2418.3	2183.4	1878.9	1580.9	690.0	165.2	51.8	13.0
15°	4085.0	3989.5	3851.8	3582.9	3236.3	2764.9	2272.5	916.8	158.7	40.5	3.2
17.5°	5136.2	5048.8	4873.8	4559.6	4128.8	3605.6	3001.4	1132.2	140.9	25.9	0.0
20°	5806.8	5714.5	5550.9	5273.9	4815.5	4201.6	3510.0	1268.3	116.6	16.2	0.0
21°	5998.0	5908.9	5748.5	5473.2	5016.4	4404.1	3634.7	1297.4	105.3	13.0	0.0
22°	6166.4	6096.8	5947.7	5648.1	5183.2	4553.1	3761.1	1300.7	97.2	9.7	0.0
23°	6284.7	6234.4	6085.4	5810.1	5346.8	4674.6	3829.1	1281.2	87.5	6.5	0.0
24°	6398.0	6336.5	6208.5	5952.6	5476.4	4776.7	3890.7	1245.6	77.7	4.9	0.0
25°	6461.2	6389.9	6291.1	6051.4	5583.3	4841.5	3927.9	1200.2	68.0	3.2	0.0
26°	6504.9	6449.9	6341.3	6109.7	5628.7	4883.6	3932.8	1133.8	61.6	1.6	0.0
27°	6571.4	6516.3	6411.0	6161.6	5648.1	4877.1	3903.6	1057.7	53.5	0.0	0.0
28°	6671.8	6598.9	6493.6	6216.6	5656.2	4849.6	3838.8	975.1	45.4	0.0	0.0
29°	6786.8	6712.3	6597.3	6289.5	5657.8	4794.5	3736.8	884.4	40.5	0.0	0.0
30°	6909.9	6845.1	6728.5	6360.8	5675.6	4723.2	3618.5	787.2	32.4	0.0	0.0
31°	7007.1	6948.8	6824.0	6425.6	5690.2	4661.7	3472.8	690.0	27.5	0.0	0.0
32°	7091.3	7039.5	6885.6	6440.2	5661.1	4574.2	3317.3	596.1	22.7	0.0	0.0
33°	7149.6	7084.8	6905.0	6402.9	5576.8	4430.0	3143.9	507.0	17.8	0.0	0.0
34°	7170.7	7092.9	6875.9	6305.7	5406.7	4211.4	2918.8	414.7	14.6	0.0	0.0
35°	7148.0	7052.4	6770.6	6138.9	5176.7	3950.6	2648.3	320.7	11.3	0.0	0.0
36°	7075.1	6953.6	6619.9	5900.8	4847.9	3642.8	2377.8	249.4	8.1	0.0	0.0
37°	6918.0	6783.5	6362.4	5586.5	4522.4	3289.7	2070.0	194.4	4.9	0.0	0.0
38°	6725.2	6530.9	6019.0	5189.7	4101.2	2892.9	1765.5	160.4	3.2	0.0	0.0
39°	6396.4	6182.6	5610.8	4732.9	3688.2	2515.5	1469.1	139.3	1.6	0.0	0.0
40°	5999.6	5745.3	5144.3	4243.8	3200.6	2120.3	1226.2	116.6	1.6	0.0	0.0
42.5°	4525.6	4310.2	3663.9	2886.4	1956.7	1250.5	680.3	76.1	0.0	0.0	0.0
45°	2828.1	2602.9	2165.6	1582.5	1059.3	647.9	327.2	43.7	0.0	0.0	0.0
47.5°	1154.9	1059.3	871.4	670.6	479.4	304.5	136.1	19.4	0.0	0.0	0.0
50°	396.8	353.1	296.4	217.0	153.9	105.3	71.3	4.9	0.0	0.0	0.0
52.5°	115.0	116.6	102.0	87.5	68.0	48.6	35.6	0.0	0.0	0.0	0.0
55°	21.1	17.8	21.1	19.4	21.1	17.8	13.0	0.0	0.0	1.6	0.0
57.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	1.6



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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	0.0	1.6	3.2	4.9	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	1.6
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°	92.3	92.3	92.3
2.5°	59.9	53.5	50.2
5°	34.0	25.9	24.3
7.5°	17.8	11.3	9.7
10°	6.5	1.6	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)