

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: P1320377

Luminaire Tested: LDSQA3D20R259840D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320377  
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: LDSQA3D20R259840D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

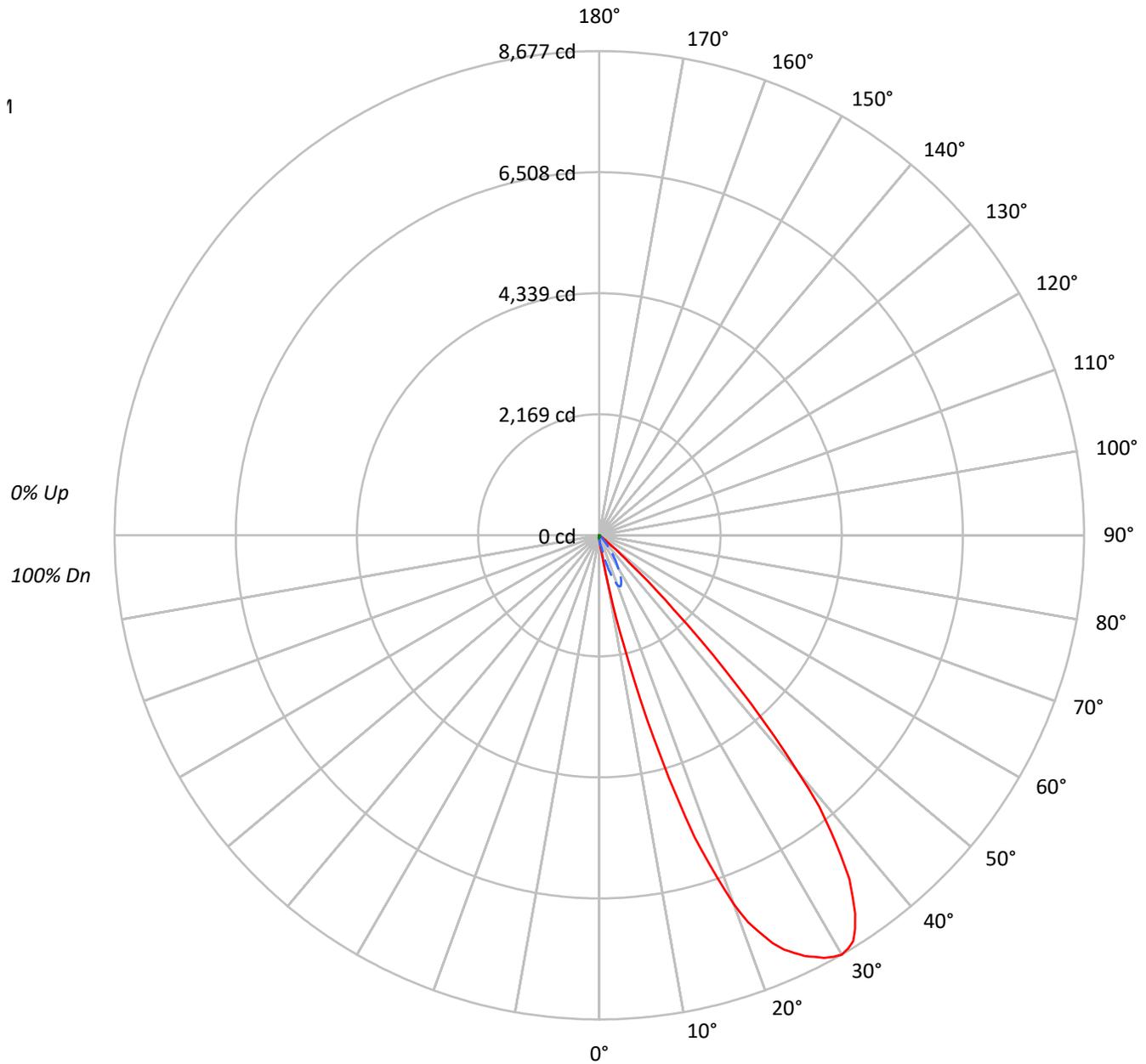
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1736.0 lumens  
Efficiency: N/A  
Efficacy: 63.4 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): 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				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	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75				75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68				68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61				61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55				55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50				50
8	71	60	52	48	70	59	52	47	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	42	41				41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37				37

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

	0°	45°	90°	135°	180°
0°	12831	12831	12831	12831	12831
5°	32208	23806	12032	6155	4754
10°	140778	40502	9916	2833	1976
15°	669420	109172	6936	1159	874
20°	1288647	174845	4454	293	293
25°	1569411	176364	2470	0	0
30°	1725517	134970	974	0	0
35°	1662828	85822	336	0	0
40°	1242472	37140	0	0	360
45°	459987	9864	390	390	1193
50°	54256	1313	857	857	1742
55°	5345	0	961	1471	2432
60°	551	0	1688	2239	2790
65°	652	652	2649	3301	3953
70°	806	806	3273	3273	4884
75°	1065	1065	3261	3261	4325
80°	0	1587	4860	3174	4860
85°	0	3162	9683	3162	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 459987 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.8	0.6
10°-20°	202.4	11.7
20°-30°	635.3	36.6
30°-40°	668.7	38.5
40°-50°	196.5	11.3
50°-60°	10.5	0.6
60°-70°	5.1	0.3
70°-80°	4.4	0.3
80°-90°	2.3	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°	848.5	48.9
0°-40°	1517.2	87.4
0°-60°	1724.2	99.3
0°-90°	1736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1736.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	74	74	74	74	74	
5°	186	138	70	36	28	33
15°	3754	612	39	6	5	1183
25°	8259	928	13	0	0	3788
35°	7909	408	2	0	0	4773
45°	1889	40	2	2	5	1716
55°	18	0	3	5	8	45
65°	2	2	6	8	10	2
75°	2	2	5	5	6	1
85°	0	2	5	2	2	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°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2.5°	115.0	116.6	111.8	115.0	111.8	110.1	108.5	100.4	87.5	74.5	61.5
5°	186.3	186.3	178.2	176.5	173.3	166.8	160.4	137.7	98.8	69.6	48.6
7.5°	291.5	289.9	286.7	278.6	262.4	246.2	230.0	179.8	108.5	64.8	37.3
10°	805.0	793.7	779.1	691.6	592.8	505.3	429.2	231.6	116.6	56.7	27.5
12.5°	2000.3	1935.6	1781.7	1606.8	1383.2	1148.4	918.4	377.4	119.9	47.0	19.4
15°	3754.5	3620.1	3380.3	3030.5	2573.7	2060.3	1622.9	612.3	116.6	38.9	14.6
17.5°	5669.0	5539.4	5207.4	4676.1	4003.9	3215.1	2440.9	811.5	108.5	32.4	9.7
20°	7031.2	6893.5	6582.5	6018.8	5291.6	4240.4	3213.5	954.0	102.0	24.3	4.9
21°	7429.6	7291.9	6963.1	6418.9	5654.4	4600.0	3461.3	978.3	97.2	21.1	3.2
22°	7682.3	7601.3	7248.2	6720.2	5941.1	4888.3	3673.5	989.6	93.9	19.4	3.2
23°	7936.6	7815.1	7484.7	6927.5	6159.8	5102.1	3830.6	981.5	90.7	16.2	1.6
24°	8124.5	8022.4	7638.6	7087.9	6312.0	5233.3	3922.9	960.5	85.8	14.6	1.6
25°	8258.9	8165.0	7764.9	7196.4	6414.1	5304.6	3952.1	928.1	81.0	13.0	1.6
26°	8386.9	8284.8	7870.2	7259.5	6467.5	5327.2	3924.6	892.5	76.1	11.3	0.0
27°	8479.2	8375.5	7943.1	7296.8	6470.7	5299.7	3850.1	843.9	71.3	9.7	0.0
28°	8578.0	8458.1	7993.3	7317.8	6451.3	5234.9	3743.1	792.0	68.0	8.1	0.0
29°	8637.9	8524.5	8045.1	7340.5	6410.8	5126.4	3587.7	730.5	59.9	4.9	0.0
30°	8676.8	8542.4	8040.2	7316.2	6357.4	5009.8	3401.4	678.7	51.8	4.9	0.0
31°	8644.4	8503.5	7988.4	7248.2	6271.5	4857.5	3210.3	613.9	42.1	3.2	0.0
32°	8574.7	8407.9	7897.7	7130.0	6117.6	4661.5	3012.7	560.4	30.8	3.2	0.0
33°	8404.7	8263.8	7734.1	6971.2	5916.8	4395.9	2755.1	508.6	21.1	1.6	0.0
34°	8190.9	8050.0	7510.6	6759.0	5647.9	4052.5	2442.5	455.1	17.8	1.6	0.0
35°	7909.0	7769.7	7257.9	6462.6	5291.6	3639.5	2120.2	408.2	14.6	1.6	0.0
36°	7612.6	7428.0	6938.8	6146.8	4813.8	3169.8	1775.2	354.7	11.3	1.6	0.0
37°	7176.9	7052.2	6509.6	5665.7	4297.1	2719.5	1524.1	306.1	8.1	1.6	0.0
38°	6725.0	6610.0	6080.4	5181.5	3720.5	2274.1	1276.3	259.2	6.5	0.0	0.0
39°	6258.6	6067.4	5544.3	4561.1	3116.3	1904.8	1073.9	217.0	3.2	0.0	0.0
40°	5526.5	5380.7	4821.9	3816.0	2578.6	1543.6	915.1	165.2	3.2	0.0	0.0
42.5°	3663.8	3527.7	2941.4	2070.0	1370.3	902.2	604.2	64.8	0.0	1.6	0.0
45°	1888.6	1802.7	1464.2	1083.6	777.5	553.9	388.7	40.5	0.0	1.6	1.6
47.5°	749.9	735.3	664.1	573.4	442.2	328.8	212.2	17.8	0.0	1.6	1.6
50°	202.5	204.1	191.1	176.5	160.4	150.6	89.1	4.9	0.0	3.2	1.6
52.5°	85.8	87.5	84.2	79.4	71.3	53.5	35.6	1.6	1.6	3.2	3.2
55°	17.8	19.4	21.1	22.7	25.9	22.7	14.6	0.0	1.6	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	4.9	4.9	3.2	0.0	1.6	3.2	4.9
60°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	3.2	4.9	4.9
62.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.9	6.5
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	6.5	6.5
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9	6.5	6.5
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9	6.5	6.5
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9	6.5	4.9
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9	4.9	4.9
77.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.9	4.9
80°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.9	3.2



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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	1.6	1.6	3.2	4.9	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	3.2
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°	74.5	74.5	74.5
2.5°	51.8	47.0	45.4
5°	35.6	30.8	27.5
7.5°	24.3	19.4	17.8
10°	16.2	13.0	11.3
12.5°	11.3	6.5	6.5
15°	6.5	4.9	4.9
17.5°	3.2	1.6	1.6
20°	1.6	1.6	1.6
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	1.6
39°	0.0	1.6	1.6
40°	0.0	1.6	1.6
42.5°	0.0	1.6	3.2
45°	1.6	3.2	4.9
47.5°	3.2	4.9	6.5
50°	3.2	6.5	6.5
52.5°	4.9	6.5	8.1
55°	4.9	8.1	8.1
57.5°	6.5	8.1	9.7
60°	6.5	8.1	8.1
62.5°	6.5	9.7	9.7
65°	8.1	9.7	9.7
67.5°	8.1	9.7	9.7
70°	6.5	8.1	9.7
72.5°	6.5	8.1	8.1
75°	4.9	6.5	6.5
77.5°	4.9	4.9	6.5
80°	3.2	4.9	4.9



TEST NUMBER: P1320377  
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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	3.2	3.2	3.2
85°	1.6	1.6	1.6
87.5°	1.6	1.6	1.6
90°	0.0	0.0	0.0

(END OF REPORT)