

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: P1320411

Luminaire Tested: LDSQA3D20R359840D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

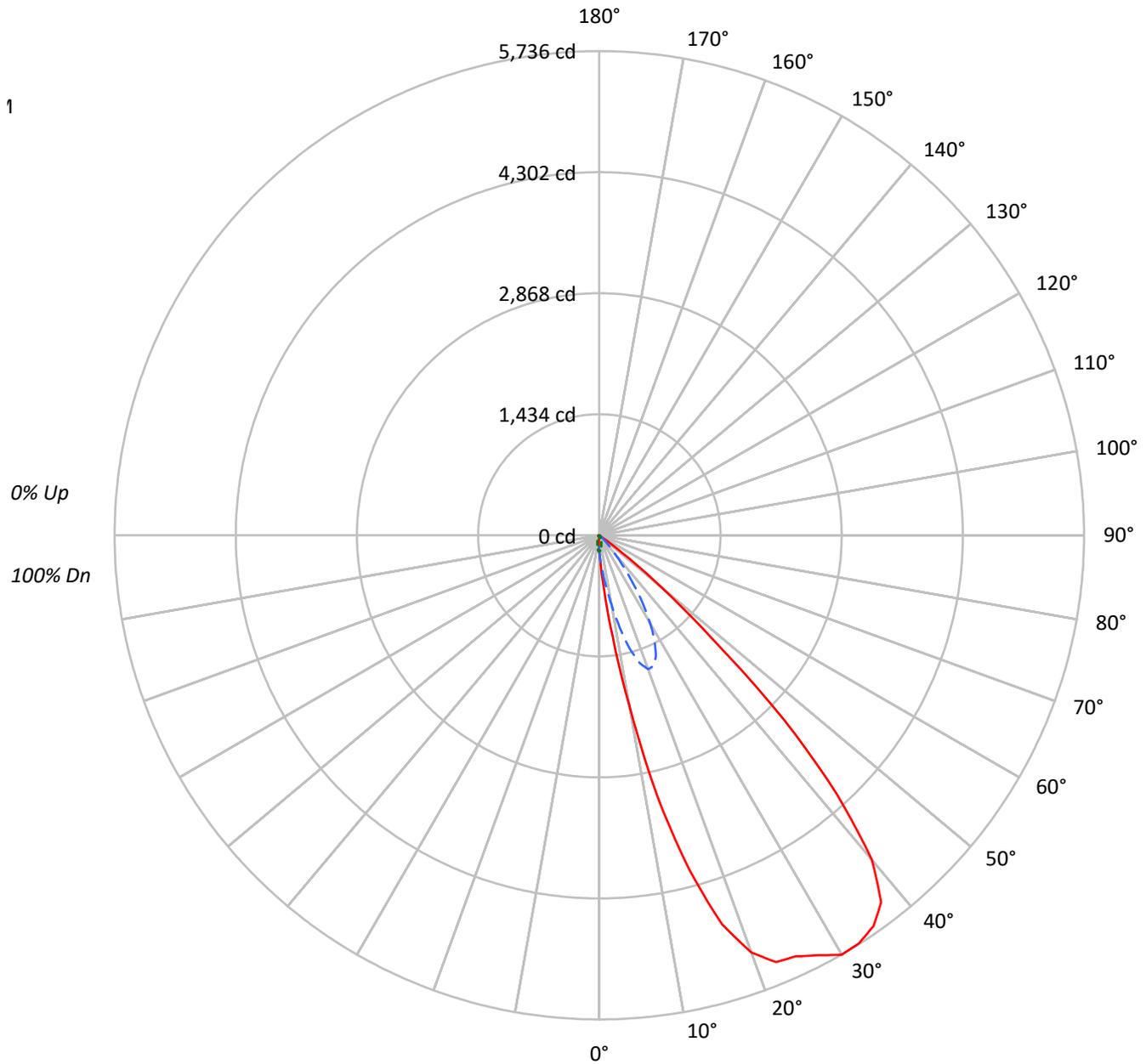
Test Method: LM-79-2019  
Report Number: P1320411  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359840D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1804.0 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 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 (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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

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

	0°	45°	90°	135°	180°
0°	32636	32636	32636	32636	32636
5°	111145	72229	30513	12880	9526
10°	357681	146409	24063	4809	3113
15°	728757	248316	17027	1729	1159
20°	963681	309259	10978	586	586
25°	1045660	300641	6157	304	608
30°	1140673	239593	2585	318	636
35°	1188578	149127	673	336	673
40°	1127903	65176	360	719	1102
45°	752940	26037	390	1193	1973
50°	252525	4340	857	1742	2599
55°	14112	480	961	2432	3393
60°	1102	551	1688	2790	3892
65°	1304	652	1997	3301	4605
70°	806	806	2467	4079	4884
75°	1065	1065	3261	4325	5390
80°	0	1587	4860	4860	4860
85°	0	3162	9683	3162	6323

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 752940 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.9	1.8
10°-20°	259.1	14.4
20°-30°	546.9	30.3
30°-40°	620.5	34.4
40°-50°	305.4	16.9
50°-60°	26.5	1.5
60°-70°	5.4	0.3
70°-80°	5.0	0.3
80°-90°	2.4	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°	838.8	46.5
0°-40°	1459.3	80.9
0°-60°	1791.1	99.3
0°-90°	1804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1804.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	190	190	190	190	190	
5°	643	418	176	74	55	106
15°	4087	1393	96	10	6	1162
25°	5503	1582	32	2	3	2561
35°	5653	709	3	2	3	3484
45°	3091	107	2	5	8	2284
55°	47	2	3	8	11	184
65°	3	2	5	8	11	3
75°	2	2	5	6	8	1
85°	0	2	5	2	3	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5
2.5°	328.7	336.8	333.6	332.0	330.4	323.9	309.3	307.7	293.1	283.4	234.8
5°	642.9	629.9	633.2	615.4	592.7	560.3	539.3	493.9	456.7	417.8	273.7
7.5°	1211.3	1193.5	1159.5	1107.7	1054.2	984.6	879.3	795.1	698.0	605.6	304.4
10°	2045.3	2035.6	1991.8	1859.1	1742.5	1556.2	1381.3	1196.7	1015.4	837.2	325.5
12.5°	3159.4	3093.0	3013.7	2837.2	2607.2	2374.0	2029.1	1710.1	1420.2	1122.2	327.1
15°	4087.3	4045.2	3933.5	3703.5	3426.6	3089.8	2680.1	2250.9	1813.7	1392.7	310.9
17.5°	4833.9	4769.1	4625.0	4399.9	4080.8	3643.6	3164.3	2641.2	2108.4	1585.4	283.4
20°	5258.1	5224.1	5114.0	4888.9	4540.8	4063.0	3517.3	2908.4	2293.0	1687.4	247.8
22.5°	5471.9	5447.6	5366.6	5186.9	4861.4	4380.4	3755.4	3047.7	2346.5	1676.1	210.5
25°	5502.7	5496.2	5426.6	5290.5	5018.5	4542.4	3859.0	3073.6	2302.8	1582.1	174.9
27.5°	5609.5	5586.9	5504.3	5368.3	5094.6	4569.9	3823.4	2984.5	2161.9	1417.0	145.7
30°	5735.9	5719.7	5637.1	5496.2	5172.3	4544.0	3697.1	2787.0	1936.8	1204.8	108.5
32.5°	5726.1	5719.7	5650.0	5501.0	5117.3	4391.8	3472.0	2490.6	1630.7	950.6	68.0
35°	5653.3	5630.6	5543.2	5313.2	4803.1	3999.9	3044.4	2089.0	1290.6	709.3	43.7
37.5°	5478.4	5429.8	5282.4	4892.2	4241.2	3395.8	2479.3	1612.9	913.3	474.5	27.5
40°	5016.9	4955.3	4659.0	4187.7	3506.0	2675.2	1844.5	1109.3	602.4	289.9	11.3
42.5°	4161.8	4037.1	3740.8	3256.6	2616.9	1891.4	1211.3	719.0	354.6	174.9	3.2
45°	3091.4	2995.9	2684.9	2246.1	1714.9	1212.9	733.6	388.7	195.9	106.9	1.6
47.5°	1800.8	1742.5	1582.1	1293.9	947.3	636.4	375.7	208.9	115.0	51.8	1.6
50°	942.5	869.6	748.2	566.8	417.8	293.1	183.0	111.7	56.7	16.2	1.6
52.5°	330.4	325.5	296.3	223.5	181.4	131.2	89.1	48.6	16.2	3.2	1.6
55°	47.0	47.0	43.7	48.6	51.8	47.0	30.8	13.0	3.2	1.6	1.6
57.5°	3.2	3.2	3.2	4.9	6.5	6.5	4.9	1.6	1.6	1.6	3.2
60°	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
62.5°	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
65°	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
77.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	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):**

	90°	112.5°	135°	157.5°	180°
0°	189.5	189.5	189.5	189.5	189.5
2.5°	187.8	150.6	119.8	105.3	100.4
5°	176.5	113.4	74.5	58.3	55.1
7.5°	157.1	81.0	45.3	32.4	30.8
10°	137.6	58.3	27.5	19.4	17.8
12.5°	115.0	40.5	17.8	11.3	9.7
15°	95.5	27.5	9.7	8.1	6.5
17.5°	76.1	17.8	6.5	4.9	6.5
20°	59.9	11.3	3.2	3.2	3.2
22.5°	45.3	6.5	3.2	3.2	3.2
25°	32.4	3.2	1.6	1.6	3.2
27.5°	22.7	1.6	1.6	1.6	3.2
30°	13.0	1.6	1.6	1.6	3.2
32.5°	6.5	1.6	1.6	3.2	3.2
35°	3.2	1.6	1.6	3.2	3.2
37.5°	1.6	1.6	1.6	3.2	4.9
40°	1.6	1.6	3.2	4.9	4.9
42.5°	1.6	1.6	3.2	4.9	6.5
45°	1.6	3.2	4.9	6.5	8.1
47.5°	3.2	3.2	6.5	8.1	9.7
50°	3.2	4.9	6.5	9.7	9.7
52.5°	3.2	4.9	8.1	9.7	11.3
55°	3.2	6.5	8.1	11.3	11.3
57.5°	4.9	6.5	8.1	11.3	11.3
60°	4.9	6.5	8.1	11.3	11.3
62.5°	4.9	6.5	8.1	11.3	11.3
65°	4.9	6.5	8.1	11.3	11.3
67.5°	4.9	6.5	8.1	9.7	11.3
70°	4.9	6.5	8.1	9.7	9.7
72.5°	6.5	6.5	8.1	9.7	9.7
75°	4.9	6.5	6.5	8.1	8.1
77.5°	4.9	4.9	4.9	6.5	6.5
80°	4.9	4.9	4.9	4.9	4.9
82.5°	4.9	3.2	3.2	4.9	4.9
85°	4.9	3.2	1.6	3.2	3.2
87.5°	3.2	3.2	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)