

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: P1319760

Luminaire Tested: LDSQA3D05R159840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

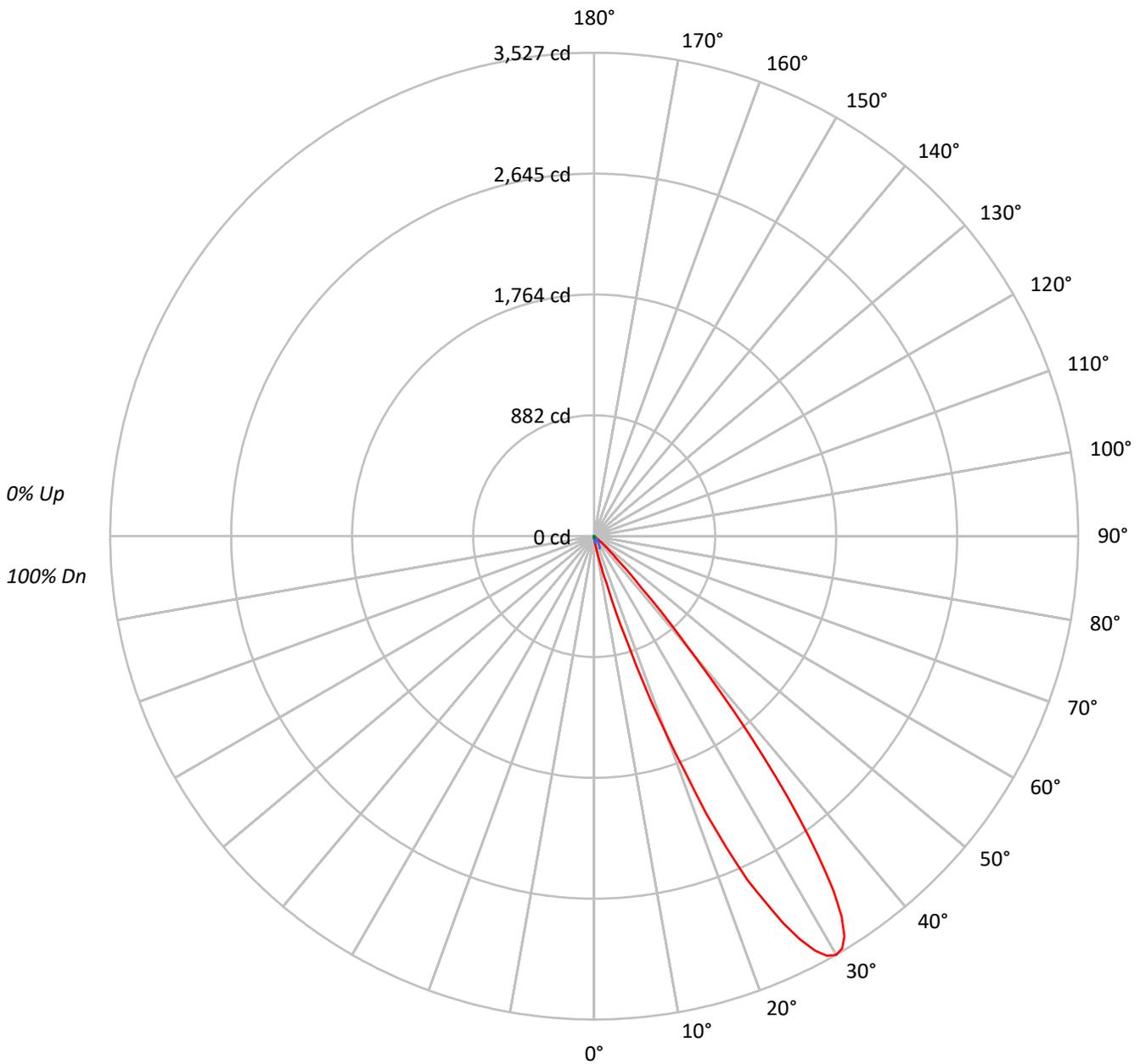
Test Method: LM-79-2019  
Report Number: P1319760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159840DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 373.0 lumens  
Efficiency: N/A  
Efficacy: 51.8 lumens/watt  
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	94	94	94	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	70	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	57	55
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	51	51	51	50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	46	46	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	42	42	42	41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	38	37

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

	0°	45°	90°	135°	180°
0°	2291	2291	2291	2291	2291
5°	6639	5014	1971	813	536
10°	17278	7485	1312	0	0
15°	69090	12231	695	0	0
20°	282299	18034	220	0	0
25°	558032	17882	0	0	0
30°	701379	14119	0	0	0
35°	598441	8662	0	0	0
40°	246381	2743	0	0	0
45°	53315	1145	0	0	0
50°	6832	0	0	0	0
55°	601	0	120	0	0
60°	0	0	276	0	0
65°	0	0	326	0	0
70°	0	201	604	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2°  
 Vertical Angle: 45°  
 Luminance: 55800 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	26.1	7.0
20°-30°	152.4	40.8
30°-40°	163.4	43.8
40°-50°	27.6	7.4
50°-60°	0.8	0.2
60°-70°	0.2	0.1
70°-80°	0.4	0.1
80°-90°	0.3	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°	180.3	48.3
0°-40°	343.7	92.1
0°-60°	372.1	99.7
0°-90°	373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	38	29	11	5	3	5
15°	388	69	4	0	0	179
25°	2937	94	0	0	0	1329
35°	2846	41	0	0	0	1636
45°	219	5	0	0	0	259
55°	2	0	0	0	0	5
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2.5°	24.3	24.7	25.1	25.1	25.1	25.1	24.7	24.7	24.7	24.7	24.3
5°	38.4	38.4	38.4	38.4	38.4	38.4	38.0	38.0	38.0	38.0	38.0
7.5°	54.9	54.1	54.5	53.3	54.1	53.7	53.3	54.1	54.1	52.2	52.2
10°	98.8	98.4	94.5	95.3	96.1	95.7	95.7	93.4	93.0	91.4	89.8
12.5°	190.6	194.9	198.1	198.1	190.6	193.4	188.3	189.4	190.2	187.9	179.6
15°	387.5	394.6	387.1	394.2	391.4	381.2	369.9	354.6	360.5	349.9	346.3
17.5°	848.8	864.9	858.2	825.6	836.2	811.1	795.4	789.6	773.1	724.1	703.7
20°	1540.3	1559.9	1541.5	1503.4	1515.6	1468.1	1456.0	1444.6	1371.6	1345.0	1259.4
21°	1831.3	1847.4	1854.5	1814.8	1790.5	1752.9	1721.5	1711.3	1667.0	1615.6	1527.7
22°	2182.8	2163.9	2121.6	2127.1	2091.0	2060.0	2016.5	1975.3	1925.8	1854.1	1781.5
23°	2473.8	2451.8	2431.8	2407.5	2368.7	2346.7	2284.3	2239.2	2174.9	2098.0	2028.2
24°	2744.8	2711.1	2698.5	2655.4	2644.4	2595.0	2544.4	2485.6	2407.9	2325.9	2248.7
25°	2936.6	2941.7	2930.7	2925.6	2869.6	2819.0	2768.7	2678.1	2611.9	2539.3	2420.4
26°	3142.2	3144.5	3139.0	3101.4	3050.8	3001.3	2936.6	2857.8	2761.7	2681.3	2573.8
27°	3299.4	3290.0	3282.2	3237.5	3195.9	3133.5	3074.7	2981.3	2887.6	2791.9	2667.2
28°	3424.9	3407.3	3397.5	3359.1	3310.4	3233.9	3161.8	3074.7	2980.9	2878.2	2743.3
29°	3500.6	3481.8	3470.8	3428.5	3372.4	3305.3	3232.4	3136.7	3035.9	2921.3	2785.6
30°	3526.9	3515.9	3498.7	3454.8	3396.7	3326.9	3252.0	3148.0	3042.5	2925.2	2781.7
31°	3509.7	3495.6	3479.1	3431.6	3368.9	3302.2	3215.1	3106.1	2995.1	2883.3	2731.1
32°	3441.0	3432.4	3412.4	3348.9	3297.9	3211.6	3125.7	3023.7	2902.5	2782.5	2644.8
33°	3312.4	3298.3	3281.0	3223.0	3157.8	3075.1	2989.6	2885.2	2764.8	2638.1	2486.7
34°	3116.3	3098.2	3076.6	3037.8	2954.7	2882.9	2784.0	2662.1	2562.4	2440.8	2304.0
35°	2846.4	2820.1	2794.2	2764.8	2671.5	2605.2	2538.5	2432.2	2336.1	2221.6	2066.7
36°	2543.6	2533.4	2512.2	2434.6	2404.4	2314.2	2260.4	2138.4	2060.8	1948.6	1820.7
37°	2201.2	2141.2	2171.8	2128.2	2037.2	2009.0	1945.1	1840.3	1756.4	1638.0	1545.4
38°	1834.1	1794.8	1816.4	1772.5	1725.0	1659.9	1611.3	1534.8	1440.7	1347.7	1259.8
39°	1453.6	1421.8	1445.4	1415.6	1343.4	1316.3	1273.2	1214.7	1139.0	1066.5	983.3
40°	1095.9	1055.1	1086.5	1044.1	1011.2	966.8	944.9	891.1	844.1	800.5	747.6
42.5°	500.5	496.2	489.1	473.8	470.3	470.7	443.6	426.0	402.0	374.2	357.3
45°	218.9	224.4	229.1	220.4	220.0	215.3	213.8	202.0	197.3	188.3	177.3
47.5°	107.9	109.8	108.6	111.0	109.0	105.9	105.1	103.5	98.8	98.4	93.4
50°	25.5	25.1	25.1	25.5	25.1	25.1	24.7	23.9	23.5	23.9	22.7
52.5°	8.2	8.6	8.2	7.8	8.2	8.6	8.2	8.2	8.2	8.2	8.2
55°	2.0	2.0	2.0	2.0	2.0	2.0	1.6	1.6	2.0	2.0	2.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2.5°	23.9	20.4	16.9	13.3	9.8	7.8	7.5	7.1
5°	36.1	29.0	19.2	11.4	6.7	4.7	3.5	3.1
7.5°	48.6	36.1	21.2	9.4	4.7	2.0	0.8	0.4
10°	69.8	42.8	22.0	7.5	2.4	0.0	0.0	0.0
12.5°	136.9	49.0	21.6	5.9	0.4	0.0	0.0	0.0
15°	227.5	68.6	20.0	3.9	0.0	0.0	0.0	0.0
17.5°	372.6	88.6	17.3	2.7	0.0	0.0	0.0	0.0
20°	577.8	98.4	13.3	1.2	0.0	0.0	0.0	0.0
21°	677.4	99.2	11.8	0.8	0.0	0.0	0.0	0.0
22°	763.7	99.2	10.2	0.4	0.0	0.0	0.0	0.0
23°	843.7	98.1	9.0	0.0	0.0	0.0	0.0	0.0
24°	909.6	96.5	8.2	0.0	0.0	0.0	0.0	0.0
25°	959.0	94.1	7.5	0.0	0.0	0.0	0.0	0.0
26°	981.8	91.0	6.3	0.0	0.0	0.0	0.0	0.0
27°	993.1	86.7	5.5	0.0	0.0	0.0	0.0	0.0
28°	985.3	82.0	4.7	0.0	0.0	0.0	0.0	0.0
29°	965.7	76.9	3.5	0.0	0.0	0.0	0.0	0.0
30°	940.2	71.0	2.7	0.0	0.0	0.0	0.0	0.0
31°	902.9	65.1	2.0	0.0	0.0	0.0	0.0	0.0
32°	851.9	59.2	1.6	0.0	0.0	0.0	0.0	0.0
33°	783.7	53.0	0.8	0.0	0.0	0.0	0.0	0.0
34°	699.3	46.7	0.4	0.0	0.0	0.0	0.0	0.0
35°	604.8	41.2	0.0	0.0	0.0	0.0	0.0	0.0
36°	523.6	35.3	0.0	0.0	0.0	0.0	0.0	0.0
37°	442.0	28.2	0.0	0.0	0.0	0.0	0.0	0.0
38°	370.3	22.4	0.0	0.0	0.0	0.0	0.0	0.0
39°	306.3	18.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	253.8	12.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	140.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	85.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	49.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.8	0.4	0.0	0.0	0.0
65°	0.0	0.0	0.8	0.8	0.4	0.0	0.0	0.0
67.5°	0.0	0.0	0.8	1.2	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0



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	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)