

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: P1314301

Luminaire Tested: LDSQA3D05R259730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

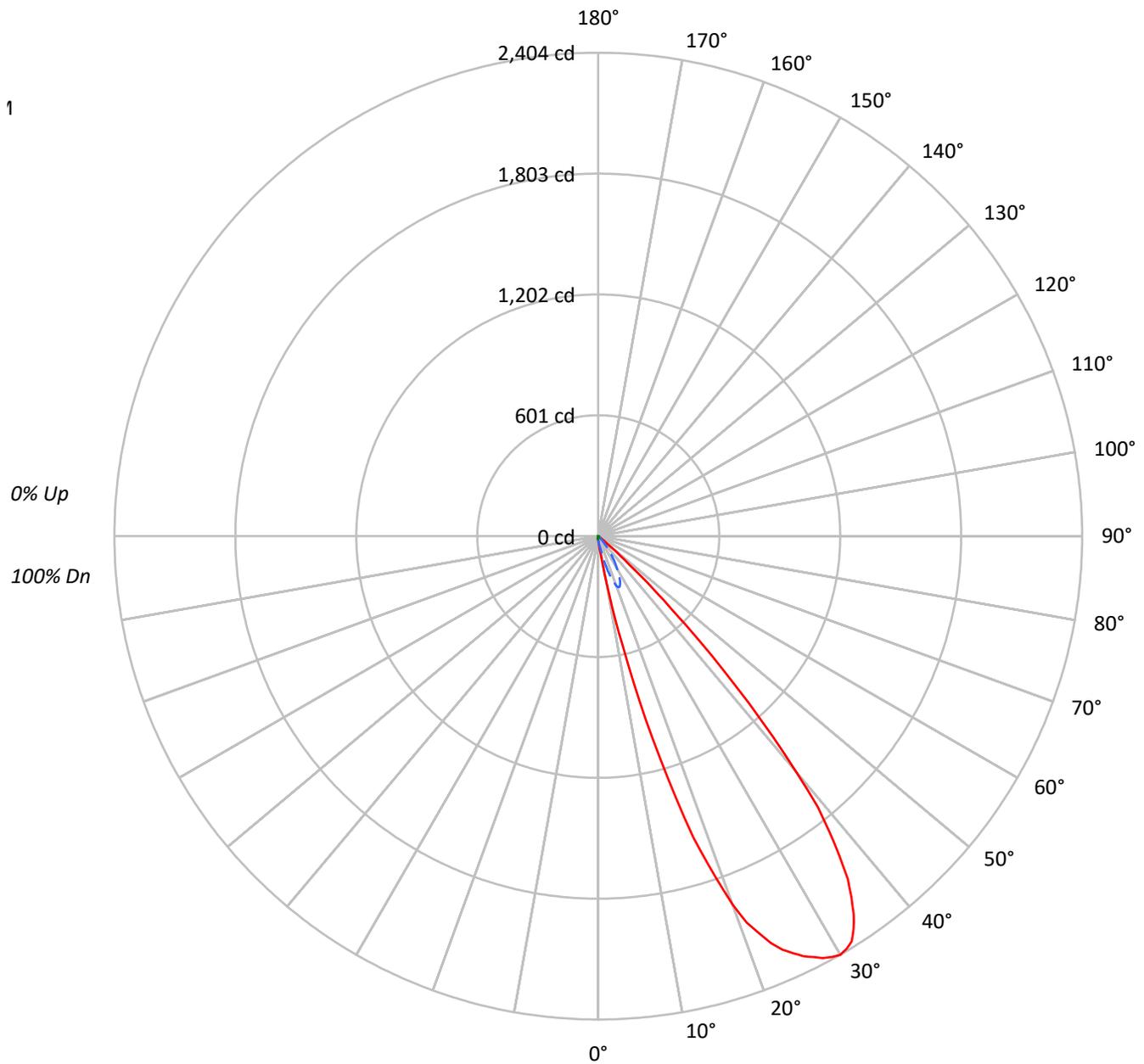
Test Method: LM-79-2019  
Report Number: P1314301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259730DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 480.9 lumens  
Efficiency: N/A  
Efficacy: 66.8 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): 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	
RC	80				70				50				30				10	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	3548	3548	3548	3548	3548
5°	8921	6587	3337	1712	1314
10°	38998	11227	2746	787	542
15°	185483	30239	1926	321	232
20°	357057	48440	1228	73	73
25°	434838	48875	684	0	0
30°	478093	37387	259	0	0
35°	460731	23779	84	0	0
40°	344245	10297	0	0	90
45°	127455	2728	97	97	317
50°	15031	348	241	241	482
55°	1471	0	270	390	661
60°	138	0	448	620	758
65°	163	163	734	897	1100
70°	201	201	906	906	1360
75°	266	266	865	865	1198
80°	0	397	1289	893	1289
85°	0	790	2569	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 127455 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.0	0.6
10°-20°	56.1	11.7
20°-30°	176.0	36.6
30°-40°	185.3	38.5
40°-50°	54.4	11.3
50°-60°	2.9	0.6
60°-70°	1.4	0.3
70°-80°	1.2	0.2
80°-90°	0.6	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°	235.1	48.9
0°-40°	420.4	87.4
0°-60°	477.7	99.3
0°-90°	480.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	480.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	52	38	19	10	8	9
15°	1040	170	11	2	1	328
25°	2288	257	4	0	0	1050
35°	2191	113	0	0	0	1322
45°	523	11	0	0	1	476
55°	5	0	1	1	2	13
65°	0	0	2	2	3	0
75°	0	0	1	1	2	0
85°	0	0	1	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°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2.5°	31.9	32.3	31.0	31.9	31.0	30.5	30.1	27.8	24.2	20.6	17.1
5°	51.6	51.6	49.4	48.9	48.0	46.2	44.4	38.1	27.4	19.3	13.5
7.5°	80.8	80.3	79.4	77.2	72.7	68.2	63.7	49.8	30.1	18.0	10.3
10°	223.0	219.9	215.9	191.6	164.3	140.0	118.9	64.2	32.3	15.7	7.6
12.5°	554.2	536.3	493.7	445.2	383.3	318.2	254.5	104.6	33.2	13.0	5.4
15°	1040.3	1003.0	936.6	839.7	713.1	570.8	449.7	169.6	32.3	10.8	4.0
17.5°	1570.7	1534.8	1442.8	1295.6	1109.4	890.8	676.3	224.8	30.1	9.0	2.7
20°	1948.2	1910.0	1823.8	1667.7	1466.2	1174.9	890.4	264.3	28.3	6.7	1.3
21°	2058.5	2020.4	1929.3	1778.5	1566.7	1274.5	959.0	271.1	26.9	5.8	0.9
22°	2128.6	2106.1	2008.3	1862.0	1646.1	1354.4	1017.8	274.2	26.0	5.4	0.9
23°	2199.0	2165.4	2073.8	1919.4	1706.7	1413.7	1061.4	272.0	25.1	4.5	0.4
24°	2251.1	2222.8	2116.4	1963.9	1748.9	1450.0	1086.9	266.1	23.8	4.0	0.4
25°	2288.3	2262.3	2151.4	1993.9	1777.2	1469.8	1095.0	257.2	22.4	3.6	0.4
26°	2323.8	2295.5	2180.6	2011.4	1792.0	1476.0	1087.4	247.3	21.1	3.1	0.0
27°	2349.4	2320.6	2200.8	2021.7	1792.9	1468.4	1066.7	233.8	19.7	2.7	0.0
28°	2376.7	2343.5	2214.7	2027.6	1787.5	1450.5	1037.1	219.5	18.8	2.2	0.0
29°	2393.3	2361.9	2229.1	2033.9	1776.3	1420.4	994.0	202.4	16.6	1.3	0.0
30°	2404.1	2366.9	2227.7	2027.1	1761.5	1388.1	942.4	188.0	14.4	1.3	0.0
31°	2395.1	2356.1	2213.4	2008.3	1737.7	1345.9	889.5	170.1	11.7	0.9	0.0
32°	2375.8	2329.6	2188.2	1975.5	1695.0	1291.6	834.7	155.3	8.5	0.9	0.0
33°	2328.7	2289.7	2142.9	1931.5	1639.4	1218.0	763.4	140.9	5.8	0.4	0.0
34°	2269.5	2230.4	2081.0	1872.8	1564.9	1122.8	676.8	126.1	4.9	0.4	0.0
35°	2191.4	2152.8	2011.0	1790.6	1466.2	1008.4	587.5	113.1	4.0	0.4	0.0
36°	2109.3	2058.1	1922.6	1703.1	1333.8	878.3	491.9	98.3	3.1	0.4	0.0
37°	1988.5	1954.0	1803.6	1569.8	1190.6	753.5	422.3	84.8	2.2	0.4	0.0
38°	1863.3	1831.5	1684.7	1435.6	1030.8	630.1	353.6	71.8	1.8	0.0	0.0
39°	1734.1	1681.1	1536.2	1263.8	863.5	527.8	297.5	60.1	0.9	0.0	0.0
40°	1531.2	1490.8	1336.0	1057.3	714.5	427.7	253.6	45.8	0.9	0.0	0.0
42.5°	1015.1	977.4	815.0	573.5	379.7	250.0	167.4	18.0	0.0	0.4	0.0
45°	523.3	499.5	405.7	300.2	215.4	153.5	107.7	11.2	0.0	0.4	0.4
47.5°	207.8	203.7	184.0	158.9	122.5	91.1	58.8	4.9	0.0	0.4	0.4
50°	56.1	56.5	53.0	48.9	44.4	41.7	24.7	1.3	0.0	0.9	0.4
52.5°	23.8	24.2	23.3	22.0	19.7	14.8	9.9	0.4	0.4	0.9	0.9
55°	4.9	5.4	5.8	6.3	7.2	6.3	4.0	0.0	0.4	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	1.3	1.3	0.9	0.0	0.4	0.9	1.3
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9	1.3	1.3
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	1.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.8	1.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.8
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	0.9



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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	0.4	0.4	0.9	1.3	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
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°	20.6	20.6	20.6
2.5°	14.4	13.0	12.6
5°	9.9	8.5	7.6
7.5°	6.7	5.4	4.9
10°	4.5	3.6	3.1
12.5°	3.1	1.8	1.8
15°	1.8	1.3	1.3
17.5°	0.9	0.4	0.4
20°	0.4	0.4	0.4
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	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.9
45°	0.4	0.9	1.3
47.5°	0.9	1.3	1.8
50°	0.9	1.8	1.8
52.5°	1.3	1.8	2.2
55°	1.3	2.2	2.2
57.5°	1.8	2.2	2.7
60°	1.8	2.2	2.2
62.5°	1.8	2.7	2.7
65°	2.2	2.7	2.7
67.5°	2.2	2.7	2.7
70°	1.8	2.2	2.7
72.5°	1.8	2.2	2.2
75°	1.3	1.8	1.8
77.5°	1.3	1.3	1.8
80°	0.9	1.3	1.3



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	0.9	0.9	0.9
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)