

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: P1310935

Luminaire Tested: LDSQA3D02R159040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310935  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159040DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

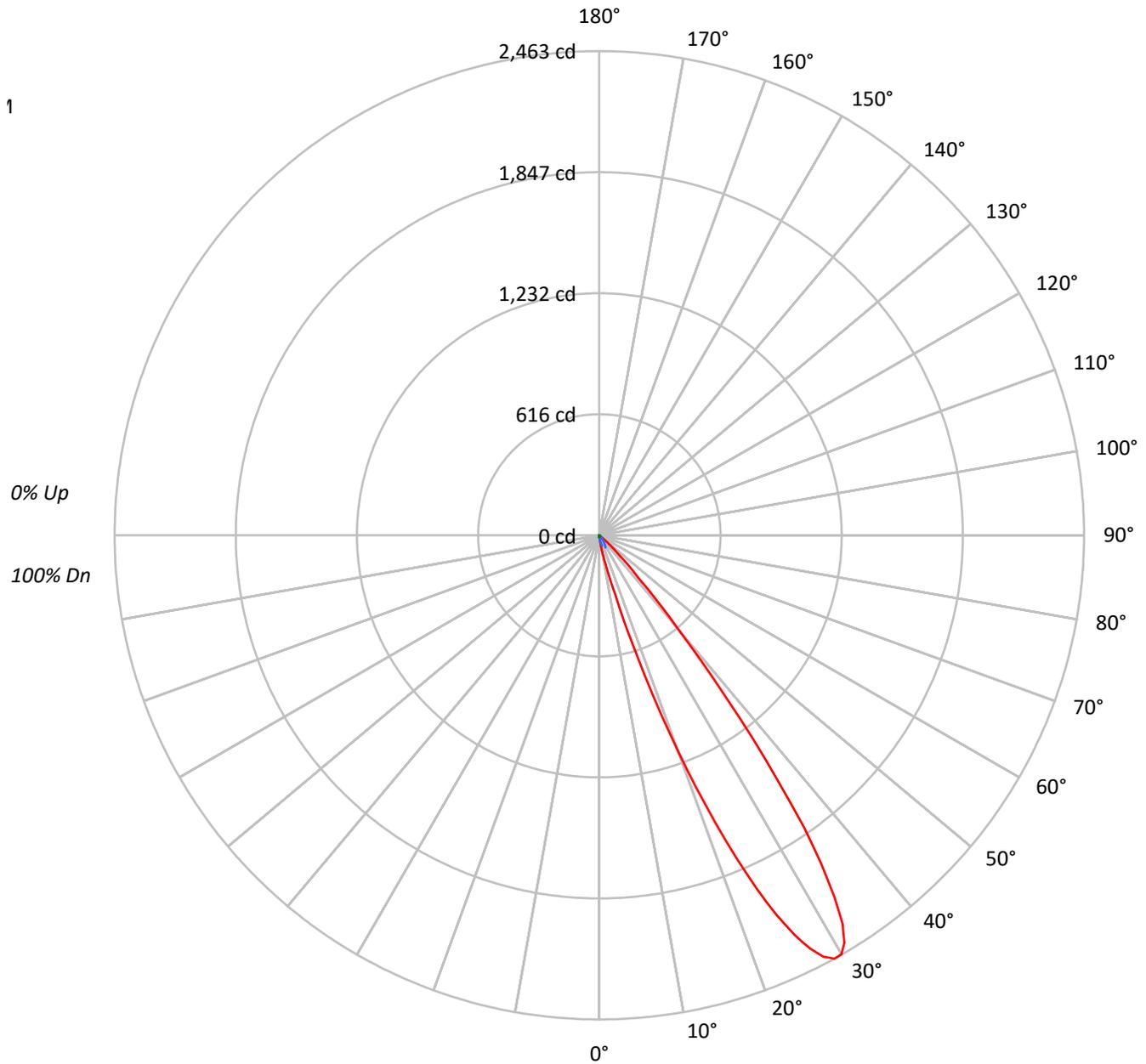
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 269.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 2.35 / 0.48 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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	96	92	104	99	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	79	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61				61
6	81	71	64	59	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	42	41				41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37				37

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

	0°	45°	90°	135°	180°
0°	1533	1533	1533	1533	1533
5°	3302	2438	1452	761	640
10°	14637	4617	1137	315	227
15°	55379	10680	785	143	89
20°	212984	15065	477	55	55
25°	405004	14119	247	0	0
30°	489249	11395	99	0	0
35°	381574	7758	63	0	0
40°	139254	3822	67	0	67
45°	35755	1145	73	0	122
50°	6028	134	80	80	214
55°	781	0	150	240	390
60°	103	103	276	344	551
65°	122	122	408	530	652
70°	151	151	504	504	655
75°	200	200	665	532	665
80°	0	298	793	496	793
85°	0	593	1581	593	593

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 35755 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.2	0.5
10°-20°	20.6	7.7
20°-30°	114.3	42.5
30°-40°	110.5	41.1
40°-50°	19.2	7.1
50°-60°	1.4	0.5
60°-70°	0.8	0.3
70°-80°	0.7	0.2
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°	136.2	50.6
0°-40°	246.6	91.7
0°-60°	267.2	99.3
0°-90°	269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	269.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	19	14	8	4	4	4
15°	311	60	4	1	0	138
25°	2131	74	1	0	0	953
35°	1815	37	0	0	0	1044
45°	147	5	0	0	0	158
55°	3	0	0	1	1	5
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
2.5°	13.1	12.6	12.8	12.8	12.8	12.8	12.8	12.3	12.3	12.6	11.3
5°	19.1	19.1	18.8	19.1	19.1	18.8	18.3	18.1	18.1	17.5	14.1
7.5°	38.2	37.7	37.7	37.2	34.5	33.8	33.2	31.9	29.6	29.0	18.3
10°	83.7	84.0	82.2	79.8	79.5	75.6	74.3	72.0	67.5	63.1	26.4
12.5°	152.0	148.6	144.2	144.4	136.9	134.2	128.2	121.7	114.9	107.8	43.4
15°	310.6	300.9	306.7	292.5	276.6	258.5	240.2	217.2	197.6	176.6	59.9
17.5°	654.2	663.6	647.6	587.2	550.0	506.3	444.8	385.4	334.7	293.9	73.3
20°	1162.1	1175.9	1121.8	1069.2	978.9	880.5	777.9	661.8	550.6	454.3	82.2
21°	1374.3	1365.9	1343.7	1259.4	1155.3	1041.2	915.6	787.4	652.6	527.5	82.9
22°	1579.4	1583.4	1531.6	1443.4	1335.0	1208.7	1055.3	897.0	751.8	587.2	81.6
23°	1783.8	1796.4	1727.8	1645.1	1508.8	1366.2	1188.8	1017.9	838.4	655.5	79.0
24°	1973.0	1964.4	1918.0	1813.9	1668.1	1501.2	1317.0	1109.7	909.6	713.8	76.9
25°	2131.3	2130.3	2057.5	1956.2	1789.6	1604.6	1401.5	1184.8	970.5	753.3	74.3
26°	2260.8	2239.6	2182.3	2058.8	1894.2	1699.0	1470.8	1239.5	1004.8	773.2	71.7
27°	2360.8	2345.6	2268.7	2140.2	1968.3	1752.4	1515.3	1266.7	1020.5	779.8	68.3
28°	2428.0	2411.5	2329.6	2197.2	2009.1	1785.9	1538.9	1278.3	1020.5	773.5	65.2
29°	2462.8	2440.3	2358.7	2216.9	2018.5	1789.8	1533.1	1267.0	1004.5	754.1	61.5
30°	2460.2	2432.2	2346.7	2199.1	1990.5	1757.6	1500.9	1226.4	968.4	725.3	57.3
31°	2417.8	2386.4	2290.9	2138.9	1932.7	1696.9	1440.2	1172.0	919.0	687.9	53.1
32°	2331.7	2292.0	2198.8	2047.3	1843.7	1606.1	1352.0	1088.0	844.9	633.2	48.7
33°	2191.5	2151.4	2051.5	1909.4	1723.4	1491.0	1235.1	997.7	760.7	568.1	45.0
34°	2015.9	1979.3	1893.2	1750.0	1571.6	1345.2	1100.6	872.9	673.3	503.5	41.1
35°	1814.9	1756.6	1678.6	1565.3	1391.3	1163.6	955.4	756.7	583.3	435.7	36.9
36°	1543.1	1553.5	1470.8	1332.2	1188.0	1009.5	809.6	630.9	487.8	371.3	33.2
37°	1302.1	1285.6	1233.0	1125.7	1000.1	823.0	678.5	534.9	410.3	314.0	29.3
38°	1050.3	1054.0	1002.5	920.0	795.5	676.7	546.1	439.3	343.3	267.2	25.6
39°	822.2	819.3	805.4	729.0	616.2	538.3	442.5	364.2	286.0	225.3	21.7
40°	619.4	624.1	591.6	545.6	479.9	415.8	352.5	290.5	236.5	190.0	17.0
42.5°	301.2	308.5	287.1	275.3	246.2	221.1	186.6	152.3	129.5	112.0	7.6
45°	146.8	142.6	140.8	135.0	128.2	114.6	101.5	87.1	76.1	65.7	4.7
47.5°	75.1	73.0	73.0	70.7	68.3	63.8	57.3	52.6	47.4	40.8	1.8
50°	22.5	22.2	22.0	22.2	21.5	22.2	22.8	23.0	20.9	20.7	0.5
52.5°	8.9	9.2	8.9	9.7	9.7	9.4	9.7	9.4	9.2	8.1	0.0
55°	2.6	2.6	2.6	2.6	2.6	2.6	2.9	3.1	2.9	3.1	0.0
57.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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):**

	67.5°	90°	112.5°	135°	157.5°	180°
0°	8.9	8.9	8.9	8.9	8.9	8.9
2.5°	10.5	9.2	7.6	6.3	5.8	5.5
5°	11.3	8.4	5.8	4.4	3.9	3.7
7.5°	12.0	7.6	4.4	3.1	2.4	2.1
10°	12.6	6.5	3.4	1.8	1.3	1.3
12.5°	12.6	5.2	2.4	1.0	0.8	0.8
15°	12.3	4.4	1.6	0.8	0.5	0.5
17.5°	12.0	3.4	1.0	0.5	0.3	0.5
20°	11.3	2.6	0.5	0.3	0.3	0.3
21°	11.0	2.4	0.5	0.3	0.3	0.3
22°	10.5	2.1	0.3	0.0	0.3	0.3
23°	9.9	1.6	0.3	0.0	0.0	0.0
24°	9.2	1.3	0.3	0.0	0.0	0.0
25°	8.6	1.3	0.3	0.0	0.0	0.0
26°	8.1	0.8	0.0	0.0	0.0	0.0
27°	7.3	0.5	0.0	0.0	0.0	0.0
28°	6.8	0.5	0.0	0.0	0.0	0.0
29°	6.0	0.5	0.0	0.0	0.0	0.0
30°	5.2	0.5	0.0	0.0	0.0	0.0
31°	4.2	0.3	0.0	0.0	0.0	0.0
32°	3.4	0.3	0.0	0.0	0.0	0.0
33°	2.4	0.3	0.0	0.0	0.0	0.0
34°	1.6	0.3	0.0	0.0	0.0	0.0
35°	1.3	0.3	0.0	0.0	0.0	0.0
36°	0.8	0.3	0.0	0.0	0.0	0.3
37°	0.8	0.3	0.0	0.0	0.0	0.3
38°	0.5	0.3	0.0	0.0	0.0	0.3
39°	0.3	0.3	0.0	0.0	0.0	0.3
40°	0.3	0.3	0.0	0.0	0.0	0.3
42.5°	0.0	0.3	0.0	0.0	0.3	0.5
45°	0.0	0.3	0.0	0.0	0.3	0.5
47.5°	0.0	0.3	0.0	0.0	0.5	0.5
50°	0.0	0.3	0.3	0.3	0.5	0.8
52.5°	0.0	0.5	0.3	0.5	0.8	1.0
55°	0.3	0.5	0.5	0.8	1.0	1.3
57.5°	0.3	0.8	0.8	1.0	1.3	1.3
60°	0.5	0.8	1.0	1.0	1.6	1.6
62.5°	0.5	1.0	1.0	1.0	1.6	1.6
65°	0.5	1.0	1.0	1.3	1.6	1.6
67.5°	0.5	1.0	1.0	1.0	1.3	1.6
70°	0.5	1.0	0.8	1.0	1.3	1.3
72.5°	0.5	1.0	0.8	0.8	1.0	1.3
75°	0.5	1.0	0.8	0.8	1.0	1.0
77.5°	0.5	0.8	0.8	0.5	0.8	0.8
80°	0.5	0.8	0.5	0.5	0.8	0.8



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**CANDELA DISTRIBUTION (continued):**

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.5	0.8	0.5	0.3	0.5	0.5
85°	0.5	0.8	0.5	0.3	0.3	0.3
87.5°	0.5	0.8	0.3	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)