

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: P1320499

Luminaire Tested: LDSQA3D02R15B2750DE010 3LSQCA30R 1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

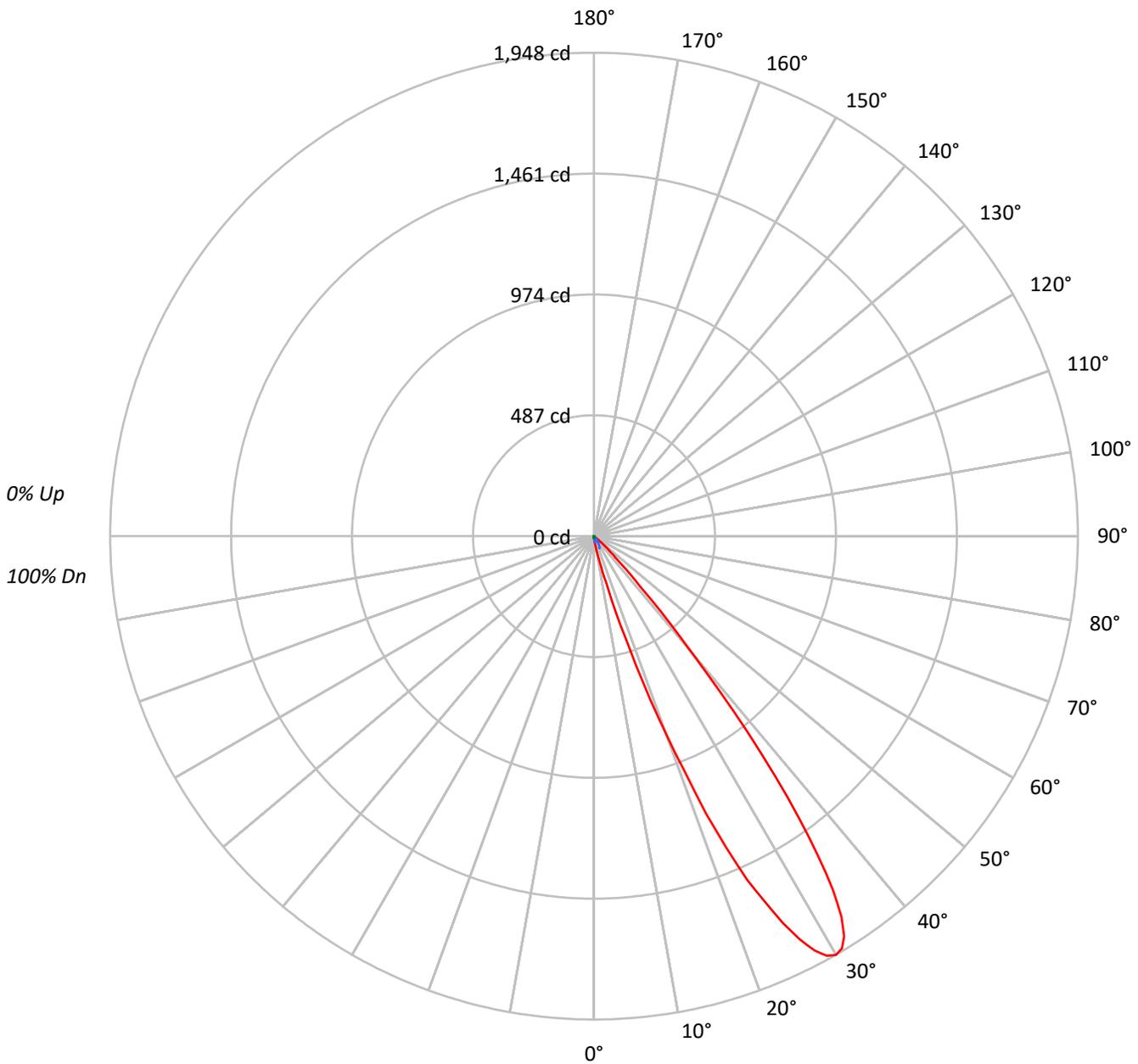
Test Method: LM-79-2019  
Report Number: P1320499  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R15B2750DE010 3LSQCA30R 1MMS\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , 3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 206.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 2.33 / 0.37 / 1.17  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 2.9  
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	0
RW	70	50	30	10	70	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
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68
5	87	77	70	65	85	76	70	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	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	1274	1274	1274	1274	1274
5°	3665	2766	1089	449	294
10°	9548	4127	717	0	0
15°	38156	6757	392	0	0
20°	155912	9970	110	0	0
25°	308185	9881	0	0	0
30°	387350	7796	0	0	0
35°	330505	4773	0	0	0
40°	136061	1506	0	0	0
45°	29446	633	0	0	0
50°	3778	0	0	0	0
55°	330	0	60	0	0
60°	0	0	138	0	0
65°	0	0	163	0	0
70°	0	101	302	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2°  
 Vertical Angle: 45°  
 Luminance: 30810 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	14.4	7.0
20°-30°	84.1	40.9
30°-40°	90.2	43.8
40°-50°	15.2	7.4
50°-60°	0.5	0.2
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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°	99.6	48.3
0°-40°	189.8	92.2
0°-60°	205.5	99.8
0°-90°	206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	21	16	6	3	2	3
15°	214	38	2	0	0	99
25°	1622	52	0	0	0	734
35°	1572	23	0	0	0	903
45°	121	3	0	0	0	143
55°	1	0	0	0	0	3
65°	0	0	0	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°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
2.5°	13.4	13.6	13.9	13.9	13.9	13.9	13.6	13.6	13.6	13.6	13.4
5°	21.2	21.2	21.2	21.2	21.2	21.2	21.0	21.0	21.0	21.0	21.0
7.5°	30.3	29.9	30.1	29.5	29.9	29.7	29.5	29.9	29.9	28.8	28.8
10°	54.6	54.4	52.2	52.6	53.1	52.9	52.9	51.6	51.3	50.5	49.6
12.5°	105.3	107.7	109.4	109.4	105.3	106.8	104.0	104.6	105.1	103.8	99.2
15°	214.0	217.9	213.8	217.7	216.2	210.6	204.3	195.8	199.1	193.2	191.3
17.5°	468.8	477.6	474.0	456.0	461.8	448.0	439.3	436.1	427.0	399.9	388.6
20°	850.7	861.5	851.3	830.3	837.0	810.8	804.1	797.8	757.5	742.8	695.6
21°	1011.4	1020.3	1024.2	1002.3	988.9	968.1	950.7	945.1	920.6	892.3	843.7
22°	1205.5	1195.1	1171.7	1174.7	1154.8	1137.7	1113.6	1090.9	1063.6	1024.0	983.9
23°	1366.2	1354.1	1343.0	1329.6	1308.2	1296.0	1261.6	1236.7	1201.2	1158.7	1120.1
24°	1515.9	1497.3	1490.3	1466.5	1460.5	1433.2	1405.2	1372.7	1329.8	1284.6	1241.9
25°	1621.8	1624.7	1618.6	1615.8	1584.8	1556.8	1529.1	1479.1	1442.5	1402.4	1336.8
26°	1735.3	1736.6	1733.6	1712.8	1684.9	1657.6	1621.8	1578.3	1525.2	1480.8	1421.5
27°	1822.2	1817.0	1812.7	1788.0	1765.0	1730.6	1698.1	1646.5	1594.8	1541.9	1473.0
28°	1891.5	1881.8	1876.4	1855.1	1828.3	1786.0	1746.2	1698.1	1646.3	1589.6	1515.0
29°	1933.3	1922.9	1916.9	1893.5	1862.5	1825.5	1785.2	1732.3	1676.6	1613.4	1538.4
30°	1947.8	1941.8	1932.3	1908.0	1875.9	1837.4	1796.0	1738.6	1680.3	1615.6	1536.3
31°	1938.3	1930.5	1921.4	1895.2	1860.6	1823.7	1775.6	1715.4	1654.1	1592.4	1508.3
32°	1900.4	1895.6	1884.6	1849.5	1821.3	1773.7	1726.2	1669.9	1603.0	1536.7	1460.7
33°	1829.4	1821.6	1812.0	1780.0	1744.0	1698.3	1651.1	1593.5	1527.0	1457.0	1373.4
34°	1721.0	1711.1	1699.2	1677.7	1631.8	1592.2	1537.6	1470.2	1415.2	1348.0	1272.4
35°	1572.0	1557.5	1543.2	1527.0	1475.4	1438.8	1402.0	1343.3	1290.2	1226.9	1141.4
36°	1404.8	1399.1	1387.5	1344.6	1327.9	1278.1	1248.4	1181.0	1138.1	1076.2	1005.6
37°	1215.7	1182.5	1199.4	1175.4	1125.1	1109.5	1074.2	1016.4	970.0	904.6	853.5
38°	1012.9	991.3	1003.2	978.9	952.7	916.7	889.9	847.6	795.6	744.3	695.8
39°	802.8	785.2	798.2	781.8	741.9	727.0	703.1	670.9	629.1	589.0	543.1
40°	605.2	582.7	600.0	576.6	558.4	534.0	521.8	492.2	466.2	442.1	412.9
42.5°	276.4	274.0	270.1	261.7	259.7	259.9	245.0	235.2	222.0	206.7	197.3
45°	120.9	123.9	126.5	121.7	121.5	118.9	118.1	111.6	109.0	104.0	97.9
47.5°	59.6	60.7	60.0	61.3	60.2	58.5	58.1	57.2	54.6	54.4	51.6
50°	14.1	13.9	13.9	14.1	13.9	13.9	13.6	13.2	13.0	13.2	12.6
52.5°	4.5	4.8	4.5	4.3	4.5	4.8	4.5	4.5	4.5	4.5	4.5
55°	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	1.1	1.1	1.1
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°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
2.5°	13.2	11.3	9.3	7.4	5.4	4.3	4.1	3.9
5°	19.9	16.0	10.6	6.3	3.7	2.6	1.9	1.7
7.5°	26.9	19.9	11.7	5.2	2.6	1.1	0.4	0.2
10°	38.6	23.6	12.1	4.1	1.3	0.0	0.0	0.0
12.5°	75.6	27.1	11.9	3.2	0.2	0.0	0.0	0.0
15°	125.6	37.9	11.0	2.2	0.0	0.0	0.0	0.0
17.5°	205.8	49.0	9.5	1.5	0.0	0.0	0.0	0.0
20°	319.1	54.4	7.4	0.6	0.0	0.0	0.0	0.0
21°	374.1	54.8	6.5	0.4	0.0	0.0	0.0	0.0
22°	421.8	54.8	5.6	0.2	0.0	0.0	0.0	0.0
23°	465.9	54.2	5.0	0.0	0.0	0.0	0.0	0.0
24°	502.3	53.3	4.5	0.0	0.0	0.0	0.0	0.0
25°	529.6	52.0	4.1	0.0	0.0	0.0	0.0	0.0
26°	542.2	50.3	3.5	0.0	0.0	0.0	0.0	0.0
27°	548.5	47.9	3.0	0.0	0.0	0.0	0.0	0.0
28°	544.1	45.3	2.6	0.0	0.0	0.0	0.0	0.0
29°	533.3	42.5	1.9	0.0	0.0	0.0	0.0	0.0
30°	519.2	39.2	1.5	0.0	0.0	0.0	0.0	0.0
31°	498.7	36.0	1.1	0.0	0.0	0.0	0.0	0.0
32°	470.5	32.7	0.9	0.0	0.0	0.0	0.0	0.0
33°	432.8	29.2	0.4	0.0	0.0	0.0	0.0	0.0
34°	386.2	25.8	0.2	0.0	0.0	0.0	0.0	0.0
35°	334.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0
36°	289.2	19.5	0.0	0.0	0.0	0.0	0.0	0.0
37°	244.1	15.6	0.0	0.0	0.0	0.0	0.0	0.0
38°	204.5	12.3	0.0	0.0	0.0	0.0	0.0	0.0
39°	169.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	140.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	77.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	47.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	27.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
50°	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.9	0.0	0.0	0.2	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.2	0.4	0.2	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0
67.5°	0.0	0.0	0.4	0.6	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	0.6	0.2	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°
82.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	0.2	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)