

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P520483

Luminaire Tested: **4WSLA-125-L830-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520483  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2002-689-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 4WSLA-125-L830-UNV-U  
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 80 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

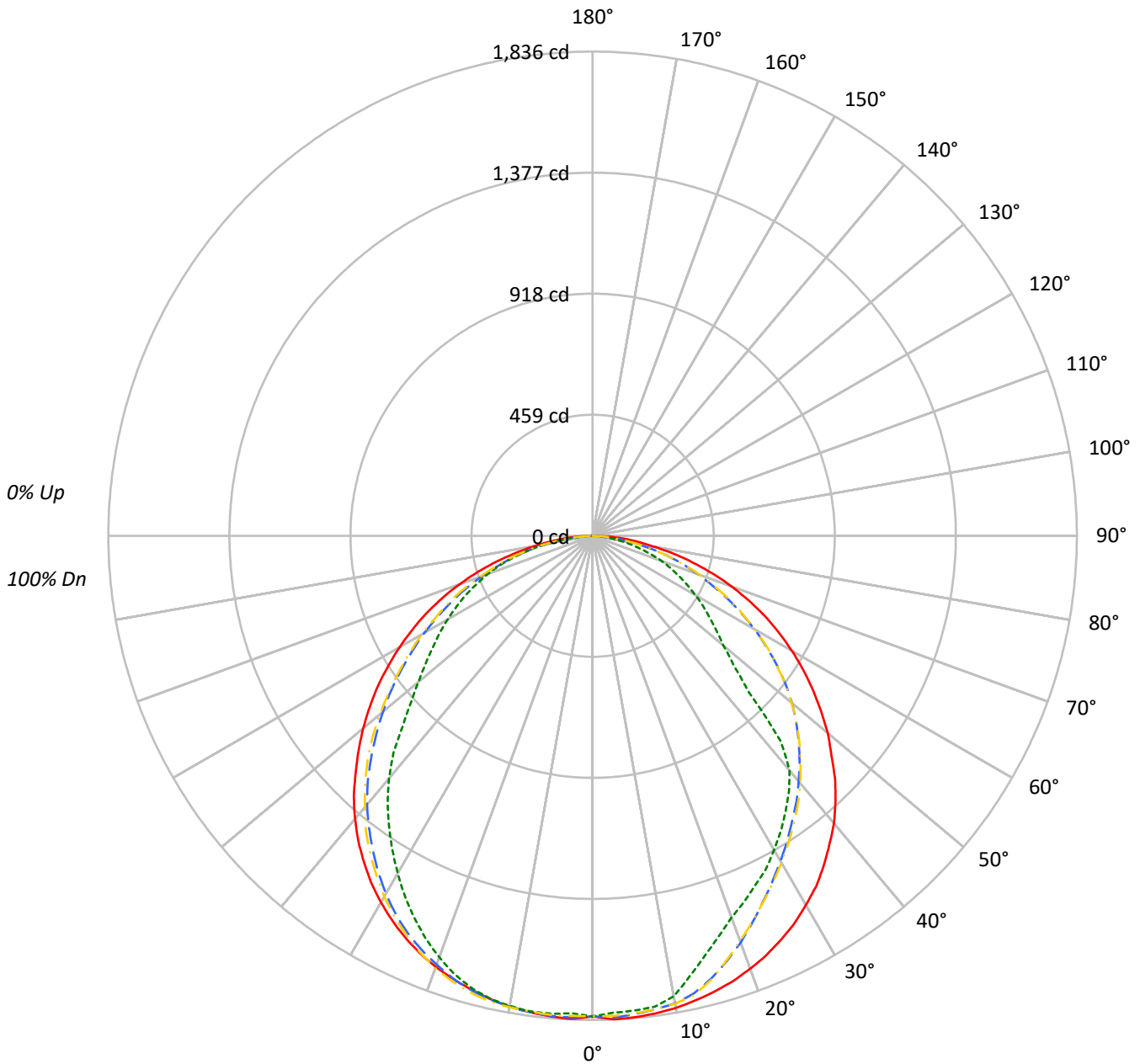
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4888.0 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 38.8  
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: 25 FT

TEST NUMBER: P520483

CATALOG NUMBER: 4WSLA-125-L830-UNV-U

### Luminous Intensity Polar Plot





TEST NUMBER: P520483

CATALOG NUMBER: 4WSLA-125-L830-UNV-U

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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																			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84																			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70																			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60																			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	90°	180°	270°
0°	9806	9806	9806	9806
5°	9902	9765	9886	9828
10°	9936	9691	9910	9894
15°	9967	9177	9923	9891
20°	10005	8818	9966	9742
25°	10036	8672	9984	9497
30°	10048	8547	9975	9185
35°	10032	8382	9929	8843
40°	10000	8159	9842	8434
45°	9888	6339	9665	7738
50°	9739	5426	9502	7219
55°	9566	5081	9319	6944
60°	9385	4850	9101	6829
65°	9161	4593	8851	6747
70°	8798	4368	8430	6645
75°	8191	3843	7806	6321
80°	7271	3211	6815	5362
85°	6879	2291	6039	3081



TEST NUMBER: P520483

CATALOG NUMBER: 4WSLA-125-L830-UNV-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.1	3.5
10°-20°	493.8	10.1
20°-30°	737.9	15.1
30°-40°	878.3	18.0
40°-50°	877.9	18.0
50°-60°	755.5	15.5
60°-70°	568.6	11.6
70°-80°	324.0	6.6
80°-90°	78.9	1.6
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°	1404.8	28.7
0°-40°	2283.1	46.7
0°-60°	3916.5	80.1
0°-90°	4888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4888.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1822	1822	1822	1822	1822	
5°	1833	1807	1830	1819	1833	174
15°	1789	1647	1781	1775	1789	505
25°	1690	1460	1681	1599	1690	779
35°	1527	1276	1511	1346	1527	955
45°	1299	833	1270	1017	1299	1000
55°	1020	542	993	740	1020	912
65°	719	361	695	530	719	710
75°	394	185	375	304	394	417
85°	111	37	98	50	111	121
90°	0	0	0	0	0	



TEST NUMBER: P520483

CATALOG NUMBER: 4WSLA-125-L830-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1
2.5°	1835.8	1819.2	1828.9	1826.0	1810.4	1816.2	1822.1	1816.2	1833.8	1818.2	1828.9
5°	1832.8	1815.2	1821.1	1815.2	1807.4	1809.4	1818.2	1812.3	1829.9	1813.3	1827.0
7.5°	1827.0	1805.5	1811.3	1808.4	1801.6	1802.5	1811.3	1806.4	1822.1	1806.4	1822.1
10°	1818.2	1795.7	1800.6	1787.9	1773.2	1784.0	1801.6	1796.7	1813.3	1795.7	1813.3
12.5°	1804.5	1782.0	1777.1	1735.1	1708.7	1729.2	1783.0	1783.0	1798.6	1782.0	1800.6
15°	1788.8	1764.4	1738.0	1674.5	1647.1	1667.6	1741.9	1767.3	1781.0	1764.4	1783.0
17.5°	1770.3	1741.9	1691.1	1616.8	1591.4	1611.9	1688.2	1743.9	1761.5	1743.9	1760.5
20°	1746.8	1713.6	1641.2	1556.2	1539.6	1558.2	1634.4	1715.5	1740.0	1718.5	1730.2
22.5°	1721.4	1681.3	1585.5	1509.3	1501.5	1513.2	1582.6	1680.3	1712.6	1690.1	1697.9
25°	1690.1	1643.2	1529.8	1466.3	1460.4	1467.2	1531.8	1639.3	1681.3	1657.9	1660.8
27.5°	1656.9	1606.1	1477.0	1430.1	1424.2	1427.2	1480.9	1593.3	1645.2	1621.7	1616.8
30°	1616.8	1562.1	1424.2	1381.2	1375.4	1386.1	1432.1	1546.4	1605.1	1581.6	1567.0
32.5°	1576.7	1514.2	1372.4	1339.2	1327.5	1337.2	1381.2	1497.6	1561.1	1536.7	1512.2
35°	1526.9	1463.3	1318.7	1285.4	1275.7	1286.4	1330.4	1446.7	1511.2	1486.8	1453.6
37.5°	1475.1	1409.6	1269.8	1239.5	1221.9	1234.6	1278.6	1393.9	1459.4	1434.0	1393.0
40°	1423.3	1352.9	1215.0	1183.8	1161.3	1179.9	1224.8	1338.2	1400.8	1377.3	1330.4
42.5°	1362.7	1296.2	1161.3	1117.3	1053.8	1113.4	1167.2	1282.5	1340.2	1317.7	1261.0
45°	1299.1	1235.6	1104.6	998.0	832.8	1007.8	1108.5	1223.8	1269.8	1248.3	1186.7
47.5°	1226.8	1173.0	1046.9	884.6	724.3	894.4	1048.9	1168.1	1203.3	1179.9	1111.4
50°	1163.2	1110.5	986.3	788.9	648.1	799.6	985.3	1105.6	1134.9	1113.4	1037.1
52.5°	1090.9	1045.0	920.8	703.8	591.4	714.6	918.9	1041.1	1064.5	1039.1	962.9
55°	1019.5	978.5	851.4	628.5	541.5	638.3	849.5	974.6	993.2	963.8	884.6
57.5°	947.2	910.1	780.1	561.1	495.6	571.8	784.9	906.2	918.9	881.7	809.4
60°	871.9	840.7	707.7	501.5	450.6	510.3	705.8	837.7	845.5	805.5	736.1
62.5°	796.7	768.3	635.4	446.7	404.7	452.6	640.3	765.4	770.3	732.2	660.8
65°	719.4	693.1	565.0	389.1	360.7	398.8	569.9	690.1	695.0	652.0	587.5
67.5°	639.3	617.8	489.7	345.1	318.7	348.0	499.5	613.9	616.8	574.8	516.1
70°	559.1	540.6	423.3	297.2	277.6	298.1	430.1	529.8	535.7	490.7	443.8
72.5°	477.0	462.4	358.7	247.3	229.7	247.3	362.7	452.6	456.5	419.4	373.4
75°	393.9	383.2	293.3	198.4	184.8	197.5	295.2	375.4	375.4	340.2	304.0
77.5°	313.8	306.0	224.8	152.5	142.7	150.5	225.8	297.2	295.2	267.8	239.5
80°	234.6	228.7	161.3	110.5	103.6	107.5	161.3	219.9	219.9	200.4	166.2
82.5°	168.1	161.3	106.5	72.3	68.4	70.4	104.6	153.5	156.4	141.7	112.4
85°	111.4	95.8	57.7	40.1	37.1	38.1	54.7	89.0	97.8	82.1	58.7
87.5°	48.9	32.3	14.7	5.9	2.9	3.9	11.7	28.3	37.1	24.4	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P520483

CATALOG NUMBER: 4WSLA-125-L830-UNV-U

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1
2.5°	1827.9	1812.3	1818.2	1822.1	1818.2	1835.8
5°	1826.0	1819.2	1818.2	1823.1	1815.2	1832.8
7.5°	1823.1	1819.2	1818.2	1820.1	1810.4	1827.0
10°	1816.2	1810.4	1812.3	1815.2	1802.5	1818.2
12.5°	1803.5	1797.6	1798.6	1808.4	1790.8	1804.5
15°	1782.0	1775.2	1782.0	1792.8	1777.1	1788.8
17.5°	1753.7	1742.9	1754.6	1771.3	1759.5	1770.3
20°	1717.5	1700.9	1713.6	1743.9	1733.1	1746.8
22.5°	1673.5	1653.0	1665.7	1709.7	1706.7	1721.4
25°	1623.6	1599.2	1616.8	1670.6	1676.4	1690.1
27.5°	1567.9	1540.6	1564.0	1627.6	1641.2	1656.9
30°	1507.3	1478.0	1505.4	1579.7	1600.2	1616.8
32.5°	1444.8	1412.5	1443.8	1525.9	1555.2	1576.7
35°	1379.3	1346.0	1381.2	1470.2	1505.4	1526.9
37.5°	1308.9	1276.6	1314.8	1411.5	1453.6	1475.1
40°	1236.6	1200.4	1243.4	1342.1	1397.8	1423.3
42.5°	1162.3	1117.3	1170.1	1276.6	1337.2	1362.7
45°	1079.2	1016.6	1088.0	1207.2	1270.8	1299.1
47.5°	996.1	933.5	1005.9	1132.9	1201.4	1226.8
50°	915.9	862.2	919.8	1051.8	1131.0	1163.2
52.5°	842.6	798.6	847.5	972.6	1058.6	1090.9
55°	774.2	740.0	780.1	894.4	982.4	1019.5
57.5°	709.7	688.2	715.5	820.1	912.0	947.2
60°	649.1	634.4	654.0	746.8	828.9	871.9
62.5°	589.4	581.6	596.3	669.6	751.7	796.7
65°	531.8	529.8	537.6	602.1	670.6	719.4
67.5°	474.1	473.1	478.0	530.8	591.4	639.3
70°	416.4	422.3	419.4	453.6	512.2	559.1
72.5°	357.8	366.6	361.7	383.2	439.9	477.0
75°	292.3	304.0	294.2	318.7	353.9	393.9
77.5°	224.8	237.5	225.8	247.3	285.4	313.8
80°	161.3	173.0	163.2	179.9	213.1	234.6
82.5°	101.7	110.5	102.6	119.3	152.5	168.1
85°	45.0	49.9	51.8	64.5	93.8	111.4
87.5°	2.0	1.0	2.0	12.7	33.2	48.9
90°	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°









(END OF REPORT)