

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: P520486

Luminaire Tested: **4WSLA-125-L835-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520486  
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-L835-UNV-U  
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

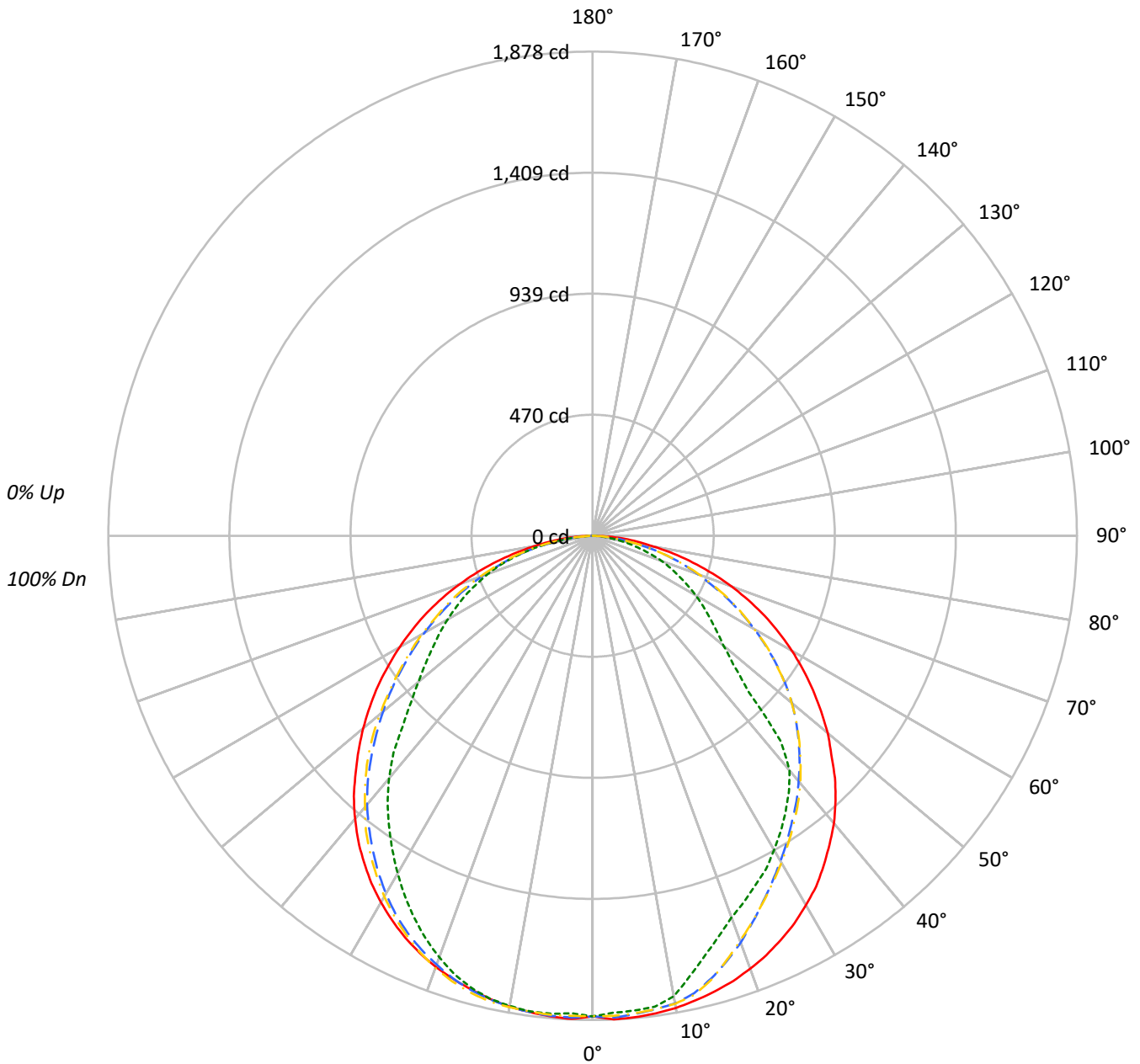
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5000.0 lumens  
Efficiency: N/A  
Efficacy: 128.9 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

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### Luminous Intensity Polar Plot





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**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°	10031	10031	10031	10031
5°	10129	9988	10112	10053
10°	10164	9912	10136	10120
15°	10195	9388	10151	10117
20°	10234	9020	10194	9964
25°	10266	8871	10213	9715
30°	10278	8743	10204	9396
35°	10262	8573	10157	9046
40°	10229	8346	10067	8627
45°	10115	6484	9886	7915
50°	9963	5550	9720	7384
55°	9786	5198	9532	7102
60°	9600	4962	9310	6985
65°	9372	4699	9053	6902
70°	8999	4469	8623	6798
75°	8380	3930	7985	6467
80°	7438	3285	6974	5486
85°	7040	2347	6175	3149



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.1	3.5
10°-20°	505.1	10.1
20°-30°	754.8	15.1
30°-40°	898.5	18.0
40°-50°	898.1	18.0
50°-60°	772.7	15.5
60°-70°	581.6	11.6
70°-80°	331.5	6.6
80°-90°	80.7	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°	1437.0	28.7
0°-40°	2335.5	46.7
0°-60°	4006.3	80.1
0°-90°	5000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1864	1864	1864	1864	1864	
5°	1875	1849	1872	1861	1875	178
15°	1830	1685	1822	1816	1830	517
25°	1729	1494	1720	1636	1729	797
35°	1562	1305	1546	1377	1562	977
45°	1329	852	1299	1040	1329	1023
55°	1043	554	1016	757	1043	932
65°	736	369	711	542	736	727
75°	403	189	384	311	403	427
85°	114	38	100	51	114	124
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1863.8	1863.8	1863.8	1863.8	1863.8	1863.8	1863.8	1863.8	1863.8	1863.8	1863.8
2.5°	1877.8	1860.8	1870.8	1867.8	1851.8	1857.8	1863.8	1857.8	1875.8	1859.8	1870.8
5°	1874.8	1856.8	1862.8	1856.8	1848.8	1850.8	1859.8	1853.8	1871.8	1854.8	1868.8
7.5°	1868.8	1846.8	1852.8	1849.8	1842.8	1843.8	1852.8	1847.8	1863.8	1847.8	1863.8
10°	1859.8	1836.8	1841.8	1828.8	1813.8	1824.8	1842.8	1837.8	1854.8	1836.8	1854.8
12.5°	1845.8	1822.8	1817.8	1774.8	1747.8	1768.8	1823.8	1823.8	1839.8	1822.8	1841.8
15°	1829.8	1804.8	1777.8	1712.8	1684.9	1705.8	1781.8	1807.8	1821.8	1804.8	1823.8
17.5°	1810.8	1781.8	1729.8	1653.9	1627.9	1648.9	1726.8	1783.8	1801.8	1783.8	1800.8
20°	1786.8	1752.8	1678.9	1591.9	1574.9	1593.9	1671.9	1754.8	1779.8	1757.8	1769.8
22.5°	1760.8	1719.8	1621.9	1543.9	1535.9	1547.9	1618.9	1718.8	1751.8	1728.8	1736.8
25°	1728.8	1680.9	1564.9	1499.9	1493.9	1500.9	1566.9	1676.9	1719.8	1695.8	1698.8
27.5°	1694.8	1642.9	1510.9	1462.9	1456.9	1459.9	1514.9	1629.9	1682.9	1658.9	1653.9
30°	1653.9	1597.9	1456.9	1412.9	1406.9	1417.9	1464.9	1581.9	1641.9	1617.9	1602.9
32.5°	1612.9	1548.9	1403.9	1369.9	1357.9	1367.9	1412.9	1531.9	1596.9	1571.9	1546.9
35°	1561.9	1496.9	1348.9	1314.9	1304.9	1315.9	1360.9	1479.9	1545.9	1520.9	1486.9
37.5°	1508.9	1441.9	1298.9	1267.9	1249.9	1262.9	1307.9	1425.9	1492.9	1466.9	1424.9
40°	1455.9	1383.9	1242.9	1210.9	1187.9	1206.9	1252.9	1368.9	1432.9	1408.9	1360.9
42.5°	1393.9	1325.9	1187.9	1142.9	1077.9	1138.9	1193.9	1311.9	1370.9	1347.9	1289.9
45°	1328.9	1263.9	1129.9	1020.9	851.9	1030.9	1133.9	1251.9	1298.9	1276.9	1213.9
47.5°	1254.9	1199.9	1070.9	904.9	740.9	914.9	1072.9	1194.9	1230.9	1206.9	1136.9
50°	1189.9	1135.9	1008.9	806.9	662.9	817.9	1007.9	1130.9	1160.9	1138.9	1060.9
52.5°	1115.9	1068.9	941.9	719.9	604.9	730.9	939.9	1064.9	1088.9	1062.9	984.9
55°	1042.9	1000.9	870.9	642.9	554.0	652.9	868.9	996.9	1015.9	985.9	904.9
57.5°	968.9	930.9	797.9	573.9	507.0	584.9	802.9	926.9	939.9	901.9	827.9
60°	891.9	859.9	723.9	513.0	461.0	522.0	721.9	856.9	864.9	823.9	752.9
62.5°	814.9	785.9	649.9	457.0	414.0	463.0	654.9	782.9	787.9	748.9	675.9
65°	735.9	708.9	577.9	398.0	369.0	408.0	582.9	705.9	710.9	666.9	600.9
67.5°	653.9	631.9	501.0	353.0	326.0	356.0	511.0	627.9	630.9	587.9	528.0
70°	571.9	553.0	433.0	304.0	284.0	305.0	440.0	542.0	548.0	502.0	454.0
72.5°	488.0	473.0	367.0	253.0	235.0	253.0	371.0	463.0	467.0	429.0	382.0
75°	403.0	392.0	300.0	203.0	189.0	202.0	302.0	384.0	384.0	348.0	311.0
77.5°	321.0	313.0	230.0	156.0	146.0	154.0	231.0	304.0	302.0	274.0	245.0
80°	240.0	234.0	165.0	113.0	106.0	110.0	165.0	225.0	225.0	205.0	170.0
82.5°	172.0	165.0	109.0	74.0	70.0	72.0	107.0	157.0	160.0	145.0	115.0
85°	114.0	98.0	59.0	41.0	38.0	39.0	56.0	91.0	100.0	84.0	60.0
87.5°	50.0	33.0	15.0	6.0	3.0	4.0	12.0	29.0	38.0	25.0	8.0
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):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1863.8	1863.8	1863.8	1863.8	1863.8	1863.8
2.5°	1869.8	1853.8	1859.8	1863.8	1859.8	1877.8
5°	1867.8	1860.8	1859.8	1864.8	1856.8	1874.8
7.5°	1864.8	1860.8	1859.8	1861.8	1851.8	1868.8
10°	1857.8	1851.8	1853.8	1856.8	1843.8	1859.8
12.5°	1844.8	1838.8	1839.8	1849.8	1831.8	1845.8
15°	1822.8	1815.8	1822.8	1833.8	1817.8	1829.8
17.5°	1793.8	1782.8	1794.8	1811.8	1799.8	1810.8
20°	1756.8	1739.8	1752.8	1783.8	1772.8	1786.8
22.5°	1711.8	1690.9	1703.8	1748.8	1745.8	1760.8
25°	1660.9	1635.9	1653.9	1708.8	1714.8	1728.8
27.5°	1603.9	1575.9	1599.9	1664.9	1678.9	1694.8
30°	1541.9	1511.9	1539.9	1615.9	1636.9	1653.9
32.5°	1477.9	1444.9	1476.9	1560.9	1590.9	1612.9
35°	1410.9	1376.9	1412.9	1503.9	1539.9	1561.9
37.5°	1338.9	1305.9	1344.9	1443.9	1486.9	1508.9
40°	1264.9	1227.9	1271.9	1372.9	1429.9	1455.9
42.5°	1188.9	1142.9	1196.9	1305.9	1367.9	1393.9
45°	1103.9	1039.9	1112.9	1234.9	1299.9	1328.9
47.5°	1018.9	954.9	1028.9	1158.9	1228.9	1254.9
50°	936.9	881.9	940.9	1075.9	1156.9	1189.9
52.5°	861.9	816.9	866.9	994.9	1082.9	1115.9
55°	791.9	756.9	797.9	914.9	1004.9	1042.9
57.5°	725.9	703.9	731.9	838.9	932.9	968.9
60°	663.9	648.9	668.9	763.9	847.9	891.9
62.5°	602.9	594.9	609.9	684.9	768.9	814.9
65°	544.0	542.0	550.0	615.9	685.9	735.9
67.5°	485.0	484.0	489.0	543.0	604.9	653.9
70°	426.0	432.0	429.0	464.0	524.0	571.9
72.5°	366.0	375.0	370.0	392.0	450.0	488.0
75°	299.0	311.0	301.0	326.0	362.0	403.0
77.5°	230.0	243.0	231.0	253.0	292.0	321.0
80°	165.0	177.0	167.0	184.0	218.0	240.0
82.5°	104.0	113.0	105.0	122.0	156.0	172.0
85°	46.0	51.0	53.0	66.0	96.0	114.0
87.5°	2.0	1.0	2.0	13.0	34.0	50.0
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)