

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: P520495

Luminaire Tested: **4WSLA-125-L930-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520495  
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-L930-UNV-U  
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

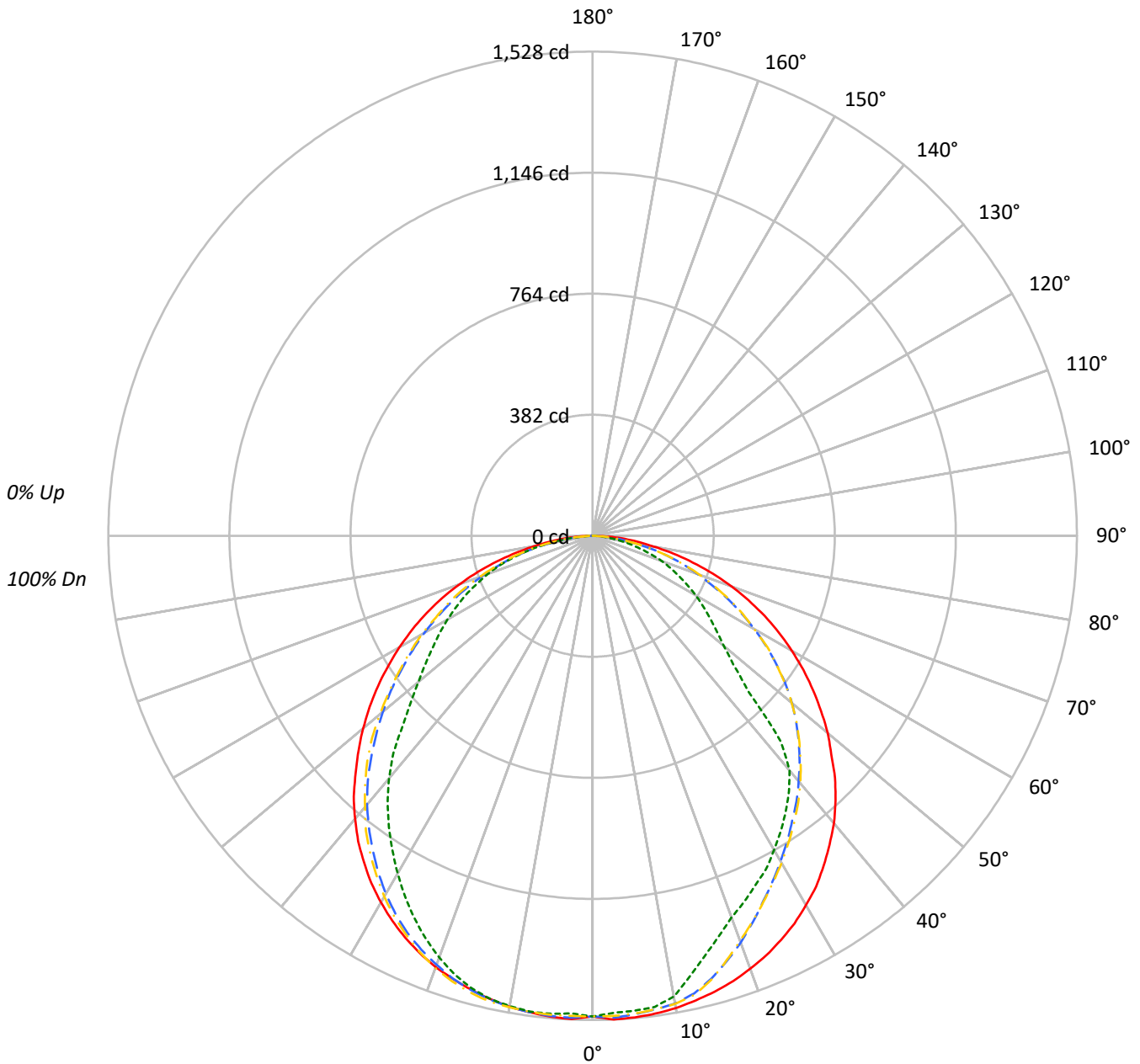
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4069.0 lumens  
Efficiency: N/A  
Efficacy: 104.9 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°	8163	8163	8163	8163
5°	8243	8129	8230	8181
10°	8271	8067	8249	8236
15°	8297	7640	8261	8233
20°	8328	7340	8296	8109
25°	8355	7219	8311	7906
30°	8364	7115	8303	7646
35°	8351	6977	8265	7362
40°	8324	6792	8193	7021
45°	8231	5277	8045	6441
50°	8107	4517	7910	6009
55°	7963	4230	7757	5780
60°	7812	4038	7577	5684
65°	7627	3824	7368	5616
70°	7325	3637	7017	5531
75°	6818	3198	6498	5263
80°	6053	2675	5675	4463
85°	5730	1908	5027	2563



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.1	3.5
10°-20°	411.1	10.1
20°-30°	614.2	15.1
30°-40°	731.2	18.0
40°-50°	730.8	18.0
50°-60°	628.9	15.5
60°-70°	473.3	11.6
70°-80°	269.7	6.6
80°-90°	65.7	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°	1169.4	28.7
0°-40°	1900.6	46.7
0°-60°	3260.3	80.1
0°-90°	4069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4069.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1517	1517	1517	1517	1517	
5°	1526	1505	1523	1514	1526	145
15°	1489	1371	1483	1478	1489	421
25°	1407	1216	1400	1331	1407	649
35°	1271	1062	1258	1120	1271	795
45°	1081	693	1057	846	1081	833
55°	849	451	827	616	849	759
65°	599	300	579	441	599	591
75°	328	154	312	253	328	347
85°	93	31	81	42	93	101
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°	1516.8	1516.8	1516.8	1516.8	1516.8	1516.8	1516.8	1516.8	1516.8	1516.8	1516.8
2.5°	1528.2	1514.3	1522.5	1520.0	1507.0	1511.9	1516.8	1511.9	1526.6	1513.5	1522.5
5°	1525.7	1511.1	1516.0	1511.1	1504.6	1506.2	1513.5	1508.7	1523.3	1509.5	1520.9
7.5°	1520.9	1503.0	1507.8	1505.4	1499.7	1500.5	1507.8	1503.8	1516.8	1503.8	1516.8
10°	1513.5	1494.8	1498.9	1488.3	1476.1	1485.1	1499.7	1495.6	1509.5	1494.8	1509.5
12.5°	1502.1	1483.4	1479.4	1444.4	1422.4	1439.5	1484.2	1484.2	1497.3	1483.4	1498.9
15°	1489.1	1468.8	1446.8	1393.9	1371.1	1388.2	1450.1	1471.2	1482.6	1468.8	1484.2
17.5°	1473.7	1450.1	1407.7	1345.9	1324.7	1341.8	1405.3	1451.7	1466.3	1451.7	1465.5
20°	1454.1	1426.5	1366.2	1295.5	1281.6	1297.1	1360.6	1428.1	1448.4	1430.5	1440.3
22.5°	1433.0	1399.6	1319.9	1256.4	1249.9	1259.7	1317.4	1398.8	1425.7	1406.9	1413.4
25°	1406.9	1367.9	1273.5	1220.6	1215.7	1221.4	1275.1	1364.6	1399.6	1380.1	1382.5
27.5°	1379.3	1337.0	1229.5	1190.5	1185.6	1188.0	1232.8	1326.4	1369.5	1350.0	1345.9
30°	1345.9	1300.3	1185.6	1149.8	1144.9	1153.9	1192.1	1287.3	1336.1	1316.6	1304.4
32.5°	1312.5	1260.5	1142.5	1114.8	1105.0	1113.2	1149.8	1246.6	1299.5	1279.2	1258.8
35°	1271.0	1218.2	1097.7	1070.1	1061.9	1070.9	1107.5	1204.3	1258.0	1237.7	1210.0
37.5°	1227.9	1173.4	1057.0	1031.8	1017.2	1027.7	1064.4	1160.4	1214.9	1193.7	1159.6
40°	1184.8	1126.2	1011.5	985.4	966.7	982.2	1019.6	1114.0	1166.1	1146.5	1107.5
42.5°	1134.3	1079.0	966.7	930.1	877.2	926.8	971.6	1067.6	1115.6	1096.9	1049.7
45°	1081.4	1028.6	919.5	830.8	693.3	839.0	922.8	1018.8	1057.0	1039.1	987.9
47.5°	1021.2	976.5	871.5	736.4	603.0	744.6	873.1	972.4	1001.7	982.2	925.2
50°	968.3	924.4	821.1	656.7	539.5	665.6	820.2	920.3	944.7	926.8	863.4
52.5°	908.1	869.9	766.5	585.9	492.3	594.8	764.9	866.6	886.1	865.0	801.5
55°	848.7	814.5	708.8	523.2	450.8	531.4	707.1	811.3	826.7	802.3	736.4
57.5°	788.5	757.6	649.4	467.1	412.6	476.0	653.4	754.3	764.9	734.0	673.8
60°	725.8	699.8	589.1	417.4	375.1	424.8	587.5	697.4	703.9	670.5	612.7
62.5°	663.2	639.6	528.9	371.9	336.9	376.8	533.0	637.1	641.2	609.5	550.1
65°	598.9	576.9	470.3	323.9	300.3	332.0	474.4	574.5	578.6	542.8	489.1
67.5°	532.2	514.3	407.7	287.2	265.3	289.7	415.8	511.0	513.5	478.5	429.6
70°	465.5	450.0	352.3	247.4	231.1	248.2	358.0	441.0	445.9	408.5	369.4
72.5°	397.1	384.9	298.6	205.9	191.2	205.9	301.9	376.8	380.0	349.1	310.8
75°	327.9	319.0	244.1	165.2	153.8	164.4	245.7	312.5	312.5	283.2	253.1
77.5°	261.2	254.7	187.2	126.9	118.8	125.3	188.0	247.4	245.7	223.0	199.4
80°	195.3	190.4	134.3	92.0	86.3	89.5	134.3	183.1	183.1	166.8	138.3
82.5°	140.0	134.3	88.7	60.2	57.0	58.6	87.1	127.8	130.2	118.0	93.6
85°	92.8	79.7	48.0	33.4	30.9	31.7	45.6	74.0	81.4	68.4	48.8
87.5°	40.7	26.9	12.2	4.9	2.4	3.3	9.8	23.6	30.9	20.3	6.5
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°	1516.8	1516.8	1516.8	1516.8	1516.8	1516.8
2.5°	1521.7	1508.7	1513.5	1516.8	1513.5	1528.2
5°	1520.0	1514.3	1513.5	1517.6	1511.1	1525.7
7.5°	1517.6	1514.3	1513.5	1515.2	1507.0	1520.9
10°	1511.9	1507.0	1508.7	1511.1	1500.5	1513.5
12.5°	1501.3	1496.4	1497.3	1505.4	1490.7	1502.1
15°	1483.4	1477.7	1483.4	1492.4	1479.4	1489.1
17.5°	1459.8	1450.9	1460.6	1474.5	1464.7	1473.7
20°	1429.7	1415.9	1426.5	1451.7	1442.7	1454.1
22.5°	1393.1	1376.0	1386.6	1423.2	1420.8	1433.0
25°	1351.6	1331.3	1345.9	1390.7	1395.5	1406.9
27.5°	1305.2	1282.4	1302.0	1354.9	1366.2	1379.3
30°	1254.8	1230.4	1253.1	1315.0	1332.1	1345.9
32.5°	1202.7	1175.8	1201.9	1270.2	1294.6	1312.5
35°	1148.2	1120.5	1149.8	1223.8	1253.1	1271.0
37.5°	1089.6	1062.7	1094.5	1175.0	1210.0	1227.9
40°	1029.4	999.3	1035.1	1117.2	1163.6	1184.8
42.5°	967.5	930.1	974.0	1062.7	1113.2	1134.3
45°	898.4	846.3	905.7	1005.0	1057.8	1081.4
47.5°	829.2	777.1	837.3	943.1	1000.1	1021.2
50°	762.5	717.7	765.7	875.6	941.5	968.3
52.5°	701.4	664.8	705.5	809.7	881.3	908.1
55°	644.5	616.0	649.4	744.6	817.8	848.7
57.5°	590.8	572.9	595.6	682.7	759.2	788.5
60°	540.3	528.1	544.4	621.7	690.0	725.8
62.5°	490.7	484.2	496.4	557.4	625.8	663.2
65°	442.7	441.0	447.6	501.3	558.2	598.9
67.5°	394.7	393.8	397.9	441.9	492.3	532.2
70°	346.6	351.5	349.1	377.6	426.4	465.5
72.5°	297.8	305.1	301.1	319.0	366.2	397.1
75°	243.3	253.1	244.9	265.3	294.6	327.9
77.5°	187.2	197.7	188.0	205.9	237.6	261.2
80°	134.3	144.0	135.9	149.7	177.4	195.3
82.5°	84.6	92.0	85.4	99.3	126.9	140.0
85°	37.4	41.5	43.1	53.7	78.1	92.8
87.5°	1.6	0.8	1.6	10.6	27.7	40.7
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)