

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: P520498

Luminaire Tested: **4WSLA-125-L935-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520498
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-L935-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

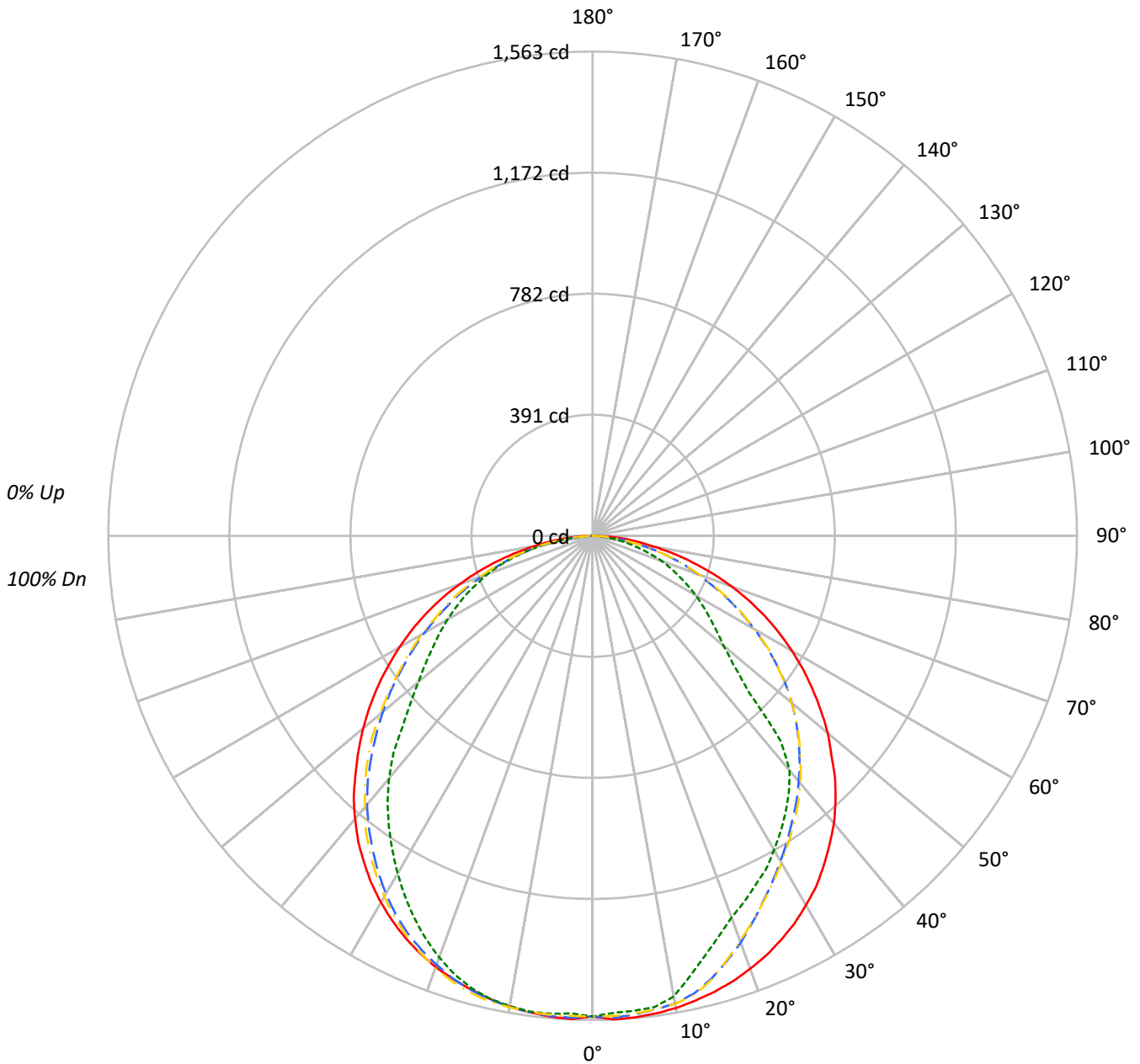
Lumens per Lamp: N/A
Luminaire Lumens: 4162.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (A_{in}): 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				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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84			84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70			70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60			60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51			51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44			44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39			39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34			34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25			25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8350	8350	8350	8350
5°	8431	8314	8418	8368
10°	8460	8251	8438	8424
15°	8487	7814	8450	8422
20°	8519	7508	8485	8294
25°	8546	7384	8501	8086
30°	8556	7278	8493	7821
35°	8542	7137	8454	7530
40°	8514	6947	8379	7181
45°	8420	5397	8229	6588
50°	8293	4620	8091	6147
55°	8146	4327	7934	5912
60°	7991	4130	7750	5815
65°	7801	3911	7536	5745
70°	7492	3720	7177	5659
75°	6974	3271	6646	5384
80°	6192	2734	5805	4565
85°	5860	1951	5138	2618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	3.5
10°-20°	420.5	10.1
20°-30°	628.3	15.1
30°-40°	747.9	18.0
40°-50°	747.5	18.0
50°-60°	643.3	15.5
60°-70°	484.1	11.6
70°-80°	275.9	6.6
80°-90°	67.2	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°	1196.1	28.7
0°-40°	1944.0	46.7
0°-60°	3334.8	80.1
0°-90°	4162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4162.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1552	1552	1552	1552	1552	
5°	1561	1539	1558	1549	1561	149
15°	1523	1402	1516	1512	1523	430
25°	1439	1244	1432	1362	1439	664
35°	1300	1086	1287	1146	1300	813
45°	1106	709	1081	866	1106	852
55°	868	461	846	630	868	776
65°	613	307	592	451	613	605
75°	335	157	320	259	335	355
85°	95	32	83	42	95	103
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°	1551.5	1551.5	1551.5	1551.5	1551.5	1551.5	1551.5	1551.5	1551.5	1551.5	1551.5
2.5°	1563.1	1549.0	1557.3	1554.8	1541.5	1546.5	1551.5	1546.5	1561.4	1548.1	1557.3
5°	1560.6	1545.6	1550.6	1545.6	1539.0	1540.6	1548.1	1543.1	1558.1	1544.0	1555.6
7.5°	1555.6	1537.3	1542.3	1539.8	1534.0	1534.8	1542.3	1538.1	1551.5	1538.1	1551.5
10°	1548.1	1529.0	1533.1	1522.3	1509.8	1519.0	1534.0	1529.8	1544.0	1529.0	1544.0
12.5°	1536.5	1517.3	1513.2	1477.4	1454.9	1472.4	1518.2	1518.2	1531.5	1517.3	1533.1
15°	1523.2	1502.3	1479.9	1425.8	1402.5	1419.9	1483.2	1504.8	1516.5	1502.3	1518.2
17.5°	1507.3	1483.2	1439.9	1376.7	1355.0	1372.5	1437.4	1484.9	1499.9	1484.9	1499.0
20°	1487.4	1459.1	1397.5	1325.1	1310.9	1326.7	1391.6	1460.7	1481.5	1463.2	1473.2
22.5°	1465.7	1431.6	1350.0	1285.1	1278.5	1288.4	1347.5	1430.8	1458.2	1439.1	1445.8
25°	1439.1	1399.1	1302.6	1248.5	1243.5	1249.3	1304.3	1395.8	1431.6	1411.6	1414.1
27.5°	1410.8	1367.5	1257.6	1217.7	1212.7	1215.2	1261.0	1356.7	1400.8	1380.8	1376.7
30°	1376.7	1330.1	1212.7	1176.1	1171.1	1180.2	1219.4	1316.7	1366.7	1346.7	1334.2
32.5°	1342.5	1289.3	1168.6	1140.3	1130.3	1138.6	1176.1	1275.1	1329.2	1308.4	1287.6
35°	1300.1	1246.0	1122.8	1094.5	1086.2	1095.3	1132.8	1231.8	1286.8	1266.0	1237.7
37.5°	1256.0	1200.2	1081.2	1055.4	1040.4	1051.2	1088.7	1186.9	1242.7	1221.0	1186.1
40°	1211.9	1151.9	1034.6	1007.9	988.8	1004.6	1042.9	1139.5	1192.7	1172.7	1132.8
42.5°	1160.3	1103.7	988.8	951.3	897.2	948.0	993.8	1092.0	1141.1	1122.0	1073.7
45°	1106.2	1052.1	940.5	849.8	709.1	858.1	943.9	1042.1	1081.2	1062.9	1010.4
47.5°	1044.6	998.8	891.4	753.3	616.8	761.6	893.1	994.6	1024.6	1004.6	946.4
50°	990.5	945.5	839.8	671.7	551.8	680.8	839.0	941.4	966.3	948.0	883.1
52.5°	928.9	889.8	784.1	599.3	503.6	608.4	782.4	886.4	906.4	884.8	819.8
55°	868.1	833.2	725.0	535.2	461.1	543.5	723.3	829.8	845.6	820.7	753.3
57.5°	806.5	774.9	664.2	477.8	422.0	486.9	668.4	771.6	782.4	750.8	689.2
60°	742.4	715.8	602.6	427.0	383.7	434.5	600.9	713.3	720.0	685.8	626.7
62.5°	678.3	654.2	541.0	380.4	344.6	385.4	545.2	651.7	655.9	623.4	562.7
65°	612.6	590.1	481.1	331.3	307.1	339.6	485.2	587.6	591.8	555.2	500.2
67.5°	544.3	526.0	417.0	293.8	271.3	296.3	425.3	522.7	525.2	489.4	439.5
70°	476.1	460.3	360.4	253.0	236.4	253.9	366.2	451.1	456.1	417.8	377.9
72.5°	406.2	393.7	305.5	210.6	195.6	210.6	308.8	385.4	388.7	357.1	317.9
75°	335.4	326.3	249.7	169.0	157.3	168.1	251.4	319.6	319.6	289.6	258.9
77.5°	267.2	260.5	191.4	129.8	121.5	128.2	192.3	253.0	251.4	228.1	203.9
80°	199.8	194.8	137.3	94.1	88.2	91.6	137.3	187.3	187.3	170.6	141.5
82.5°	143.2	137.3	90.7	61.6	58.3	59.9	89.1	130.7	133.2	120.7	95.7
85°	94.9	81.6	49.1	34.1	31.6	32.5	46.6	75.7	83.2	69.9	49.9
87.5°	41.6	27.5	12.5	5.0	2.5	3.3	10.0	24.1	31.6	20.8	6.7
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°	1551.5	1551.5	1551.5	1551.5	1551.5	1551.5
2.5°	1556.5	1543.1	1548.1	1551.5	1548.1	1563.1
5°	1554.8	1549.0	1548.1	1552.3	1545.6	1560.6
7.5°	1552.3	1549.0	1548.1	1549.8	1541.5	1555.6
10°	1546.5	1541.5	1543.1	1545.6	1534.8	1548.1
12.5°	1535.6	1530.6	1531.5	1539.8	1524.8	1536.5
15°	1517.3	1511.5	1517.3	1526.5	1513.2	1523.2
17.5°	1493.2	1484.0	1494.0	1508.2	1498.2	1507.3
20°	1462.4	1448.2	1459.1	1484.9	1475.7	1487.4
22.5°	1424.9	1407.5	1418.3	1455.7	1453.2	1465.7
25°	1382.5	1361.7	1376.7	1422.4	1427.4	1439.1
27.5°	1335.1	1311.7	1331.7	1385.8	1397.5	1410.8
30°	1283.4	1258.5	1281.8	1345.0	1362.5	1376.7
32.5°	1230.2	1202.7	1229.3	1299.3	1324.2	1342.5
35°	1174.4	1146.1	1176.1	1251.8	1281.8	1300.1
37.5°	1114.5	1087.0	1119.5	1201.9	1237.7	1256.0
40°	1052.9	1022.1	1058.7	1142.8	1190.2	1211.9
42.5°	989.6	951.3	996.3	1087.0	1138.6	1160.3
45°	918.9	865.6	926.4	1027.9	1082.0	1106.2
47.5°	848.1	794.9	856.5	964.7	1022.9	1044.6
50°	779.9	734.1	783.2	895.6	963.0	990.5
52.5°	717.5	680.0	721.6	828.2	901.4	928.9
55°	659.2	630.1	664.2	761.6	836.5	868.1
57.5°	604.3	586.0	609.3	698.3	776.6	806.5
60°	552.7	540.2	556.8	635.9	705.8	742.4
62.5°	501.9	495.2	507.7	570.1	640.1	678.3
65°	452.8	451.1	457.8	512.7	571.0	612.6
67.5°	403.7	402.8	407.0	452.0	503.6	544.3
70°	354.6	359.6	357.1	386.2	436.1	476.1
72.5°	304.6	312.1	308.0	326.3	374.5	406.2
75°	248.9	258.9	250.5	271.3	301.3	335.4
77.5°	191.4	202.3	192.3	210.6	243.0	267.2
80°	137.3	147.3	139.0	153.1	181.4	199.8
82.5°	86.6	94.1	87.4	101.5	129.8	143.2
85°	38.3	42.4	44.1	54.9	79.9	94.9
87.5°	1.7	0.8	1.7	10.8	28.3	41.6
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)