

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: P520504

Luminaire Tested: **4WSLA-125-L950-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520504
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-L950-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

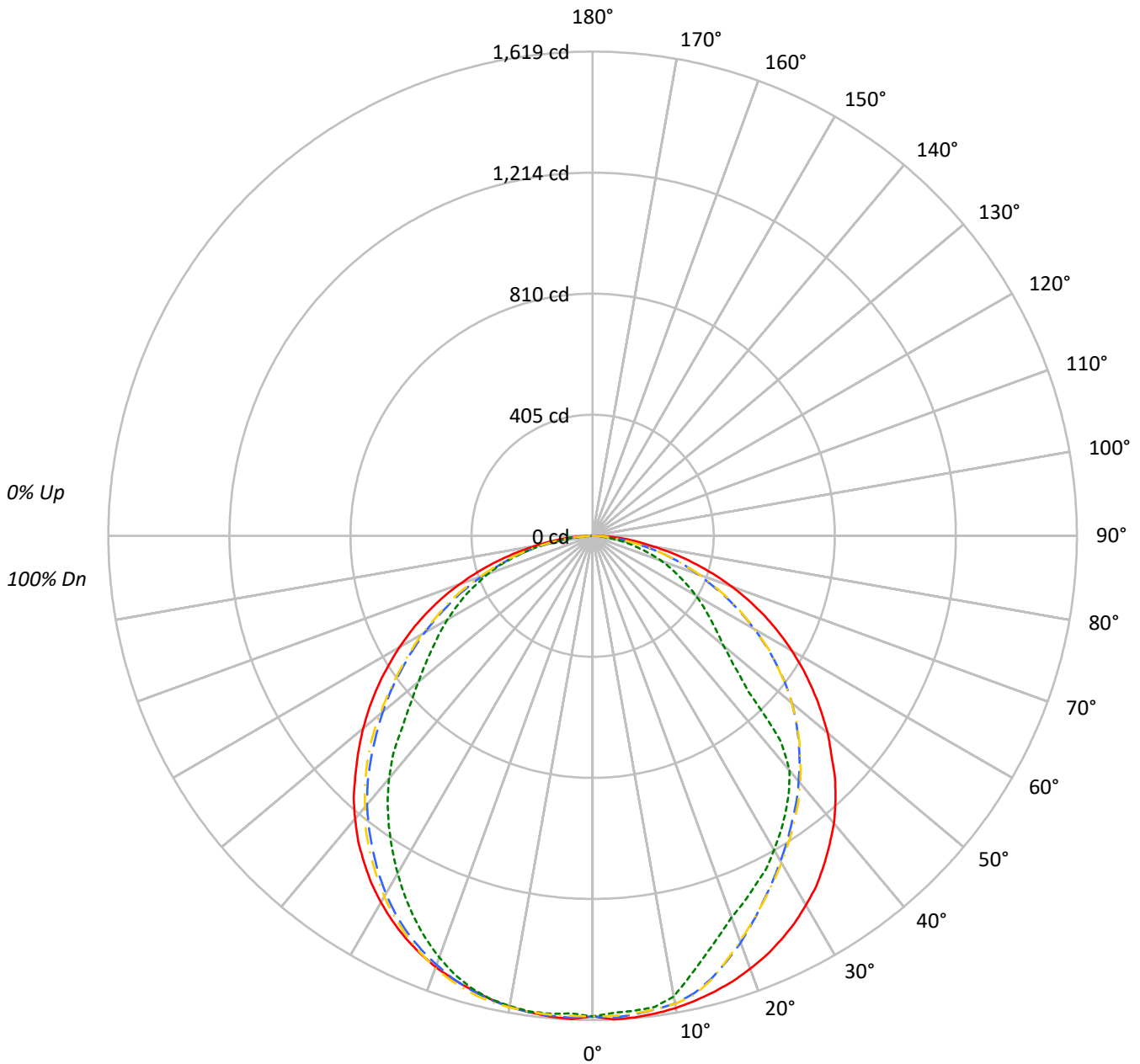
Lumens per Lamp: N/A
Luminaire Lumens: 4311.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

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°	8649	8649	8649	8649
5°	8733	8612	8719	8668
10°	8763	8547	8740	8726
15°	8791	8094	8752	8723
20°	8824	7777	8789	8592
25°	8852	7649	8806	8375
30°	8862	7538	8797	8101
35°	8847	7392	8757	7799
40°	8819	7196	8679	7438
45°	8721	5590	8524	6824
50°	8590	4786	8380	6367
55°	8437	4481	8219	6123
60°	8277	4278	8027	6022
65°	8080	4051	7806	5951
70°	7759	3852	7434	5860
75°	7224	3387	6885	5575
80°	6413	2833	6013	4730
85°	6070	2025	5323	2717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	3.5
10°-20°	435.5	10.1
20°-30°	650.8	15.1
30°-40°	774.6	18.0
40°-50°	774.3	18.0
50°-60°	666.3	15.5
60°-70°	501.5	11.6
70°-80°	285.8	6.6
80°-90°	69.6	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°	1239.0	28.7
0°-40°	2013.6	46.7
0°-60°	3454.2	80.1
0°-90°	4311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4311.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1607	1607	1607	1607	1607	
5°	1616	1594	1614	1604	1616	154
15°	1578	1453	1571	1566	1578	446
25°	1491	1288	1483	1410	1491	687
35°	1347	1125	1333	1187	1347	843
45°	1146	734	1120	897	1146	882
55°	899	478	876	653	899	804
65°	634	318	613	467	634	627
75°	347	163	331	268	347	368
85°	98	33	86	44	98	107
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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1619.1	1604.4	1613.0	1610.4	1596.7	1601.8	1607.0	1601.8	1617.3	1603.5	1613.0
5°	1616.5	1601.0	1606.1	1601.0	1594.1	1595.8	1603.5	1598.4	1613.9	1599.2	1611.3
7.5°	1611.3	1592.3	1597.5	1594.9	1588.9	1589.8	1597.5	1593.2	1607.0	1593.2	1607.0
10°	1603.5	1583.7	1588.0	1576.8	1563.9	1573.4	1588.9	1584.6	1599.2	1583.7	1599.2
12.5°	1591.5	1571.7	1567.3	1530.3	1507.0	1525.1	1572.5	1572.5	1586.3	1571.7	1588.0
15°	1577.7	1556.1	1532.9	1476.8	1452.7	1470.8	1536.3	1558.7	1570.8	1556.1	1572.5
17.5°	1561.3	1536.3	1491.5	1426.0	1403.5	1421.6	1488.9	1538.0	1553.5	1538.0	1552.7
20°	1540.6	1511.3	1447.5	1372.5	1357.8	1374.2	1441.5	1513.0	1534.6	1515.6	1526.0
22.5°	1518.2	1482.9	1398.4	1331.1	1324.2	1334.6	1395.8	1482.0	1510.4	1490.6	1497.5
25°	1490.6	1449.2	1349.2	1293.2	1288.0	1294.0	1350.9	1445.8	1482.9	1462.2	1464.7
27.5°	1461.3	1416.5	1302.7	1261.3	1256.1	1258.7	1306.1	1405.3	1451.0	1430.3	1426.0
30°	1426.0	1377.7	1256.1	1218.2	1213.0	1222.5	1263.0	1363.9	1415.6	1394.9	1382.0
32.5°	1390.6	1335.4	1210.4	1181.1	1170.8	1179.4	1218.2	1320.8	1376.8	1355.3	1333.7
35°	1346.6	1290.6	1163.0	1133.7	1125.1	1134.6	1173.4	1275.9	1332.8	1311.3	1282.0
37.5°	1300.9	1243.2	1119.9	1093.2	1077.7	1088.9	1127.7	1229.4	1287.2	1264.7	1228.5
40°	1255.3	1193.2	1071.6	1044.0	1024.2	1040.6	1080.2	1180.2	1235.4	1214.7	1173.4
42.5°	1201.8	1143.2	1024.2	985.4	929.4	982.0	1029.4	1131.1	1182.0	1162.1	1112.1
45°	1145.8	1089.7	974.2	880.2	734.5	888.8	977.6	1079.4	1119.9	1100.9	1046.6
47.5°	1082.0	1034.5	923.3	780.2	638.8	788.8	925.1	1030.2	1061.3	1040.6	980.2
50°	1025.9	979.4	869.9	695.7	571.6	705.2	869.0	975.1	1000.9	982.0	914.7
52.5°	962.1	921.6	812.1	620.7	521.6	630.2	810.4	918.2	938.9	916.4	849.2
55°	899.2	863.0	750.9	554.3	477.6	563.0	749.2	859.5	875.9	850.1	780.2
57.5°	835.4	802.6	688.0	494.9	437.1	504.3	692.3	799.2	810.4	777.6	713.8
60°	769.0	741.4	624.2	442.3	397.4	450.0	622.5	738.8	745.7	710.4	649.2
62.5°	702.6	677.6	560.4	394.0	356.9	399.2	564.7	675.0	679.4	645.7	582.8
65°	634.5	611.2	498.3	343.1	318.1	351.7	502.6	608.7	613.0	575.0	518.1
67.5°	563.8	544.9	431.9	304.3	281.1	306.9	440.5	541.4	544.0	506.9	455.2
70°	493.1	476.8	373.3	262.1	244.8	262.9	379.3	467.3	472.4	432.8	391.4
72.5°	420.7	407.8	316.4	218.1	202.6	218.1	319.8	399.2	402.6	369.9	329.3
75°	347.4	338.0	258.6	175.0	162.9	174.1	260.4	331.1	331.1	300.0	268.1
77.5°	276.7	269.8	198.3	134.5	125.9	132.8	199.2	262.1	260.4	236.2	211.2
80°	206.9	201.7	142.3	97.4	91.4	94.8	142.3	194.0	194.0	176.7	146.6
82.5°	148.3	142.3	94.0	63.8	60.3	62.1	92.2	135.4	137.9	125.0	99.1
85°	98.3	84.5	50.9	35.3	32.8	33.6	48.3	78.5	86.2	72.4	51.7
87.5°	43.1	28.5	12.9	5.2	2.6	3.4	10.3	25.0	32.8	21.6	6.9
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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1612.2	1598.4	1603.5	1607.0	1603.5	1619.1
5°	1610.4	1604.4	1603.5	1607.9	1601.0	1616.5
7.5°	1607.9	1604.4	1603.5	1605.3	1596.7	1611.3
10°	1601.8	1596.7	1598.4	1601.0	1589.8	1603.5
12.5°	1590.6	1585.4	1586.3	1594.9	1579.4	1591.5
15°	1571.7	1565.6	1571.7	1581.1	1567.3	1577.7
17.5°	1546.6	1537.2	1547.5	1562.2	1551.8	1561.3
20°	1514.8	1500.1	1511.3	1538.0	1528.5	1540.6
22.5°	1476.0	1457.9	1469.1	1507.9	1505.3	1518.2
25°	1432.0	1410.4	1426.0	1473.4	1478.5	1490.6
27.5°	1382.8	1358.7	1379.4	1435.4	1447.5	1461.3
30°	1329.4	1303.5	1327.7	1393.2	1411.3	1426.0
32.5°	1274.2	1245.8	1273.4	1345.8	1371.6	1390.6
35°	1216.5	1187.1	1218.2	1296.6	1327.7	1346.6
37.5°	1154.4	1125.9	1159.6	1244.9	1282.0	1300.9
40°	1090.6	1058.7	1096.6	1183.7	1232.8	1255.3
42.5°	1025.1	985.4	1032.0	1125.9	1179.4	1201.8
45°	951.8	896.6	959.5	1064.7	1120.8	1145.8
47.5°	878.5	823.3	887.1	999.2	1059.5	1082.0
50°	807.8	760.4	811.3	927.6	997.5	1025.9
52.5°	743.2	704.4	747.5	857.8	933.7	962.1
55°	682.8	652.6	688.0	788.8	866.4	899.2
57.5°	625.9	606.9	631.1	723.3	804.4	835.4
60°	572.5	559.5	576.8	658.7	731.1	769.0
62.5°	519.9	513.0	525.9	590.6	663.0	702.6
65°	469.0	467.3	474.2	531.1	591.4	634.5
67.5°	418.1	417.3	421.6	468.1	521.6	563.8
70°	367.3	372.4	369.9	400.0	451.8	493.1
72.5°	315.5	323.3	319.0	338.0	388.0	420.7
75°	257.8	268.1	259.5	281.1	312.1	347.4
77.5°	198.3	209.5	199.2	218.1	251.7	276.7
80°	142.3	152.6	144.0	158.6	187.9	206.9
82.5°	89.7	97.4	90.5	105.2	134.5	148.3
85°	39.7	44.0	45.7	56.9	82.8	98.3
87.5°	1.7	0.9	1.7	11.2	29.3	43.1
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)