

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: P520474

Luminaire Tested: **4WSLA-100-L935-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520474  
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-100-L935-UNV-U  
Description: 4 FOOT, 1000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

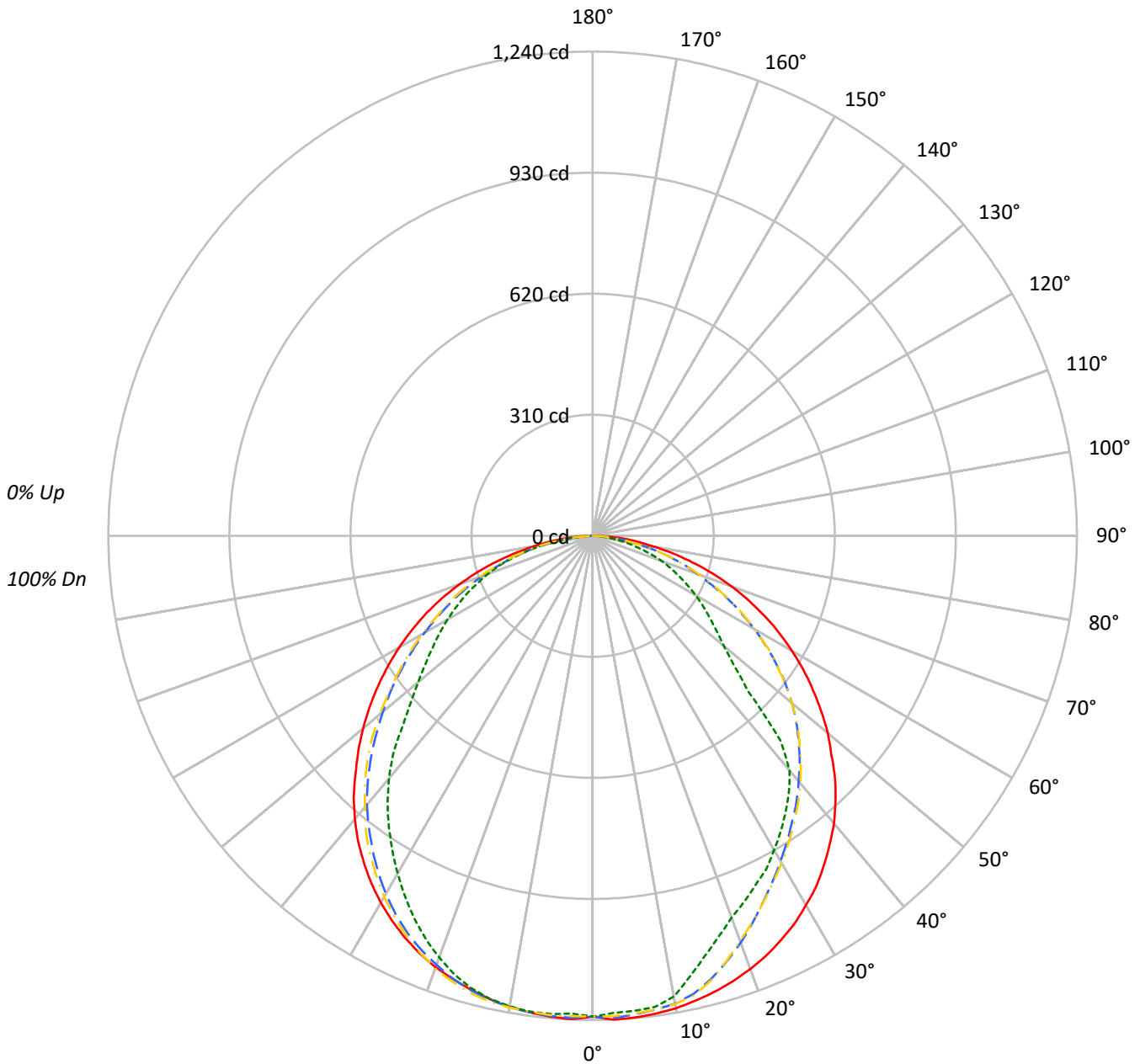
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3303.0 lumens  
Efficiency: N/A  
Efficacy: 104.5 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): 31.6  
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				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			
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°	6626	6626	6626	6626
5°	6691	6598	6680	6641
10°	6714	6548	6696	6685
15°	6735	6201	6706	6683
20°	6761	5959	6734	6582
25°	6782	5860	6747	6417
30°	6789	5776	6740	6206
35°	6779	5663	6709	5976
40°	6757	5513	6650	5699
45°	6682	4284	6530	5229
50°	6581	3666	6421	4878
55°	6464	3433	6297	4692
60°	6342	3278	6151	4614
65°	6192	3103	5980	4559
70°	5945	2952	5696	4491
75°	5535	2595	5273	4271
80°	4912	2170	4606	3623
85°	4650	1550	4082	2081



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.0	3.5
10°-20°	333.7	10.1
20°-30°	498.6	15.1
30°-40°	593.5	18.0
40°-50°	593.3	18.0
50°-60°	510.5	15.5
60°-70°	384.2	11.6
70°-80°	218.9	6.6
80°-90°	53.3	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°	949.3	28.7
0°-40°	1542.8	46.7
0°-60°	2646.5	80.1
0°-90°	3303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3303.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1231	1231	1231	1231	1231	
5°	1238	1221	1236	1229	1238	118
15°	1209	1113	1204	1200	1209	342
25°	1142	987	1136	1081	1142	527
35°	1032	862	1021	910	1032	646
45°	878	563	858	687	878	676
55°	689	366	671	500	689	616
65°	486	244	470	358	486	480
75°	266	125	254	205	266	282
85°	75	25	66	34	75	82
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°	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2
2.5°	1240.5	1229.3	1235.9	1233.9	1223.3	1227.3	1231.2	1227.3	1239.2	1228.6	1235.9
5°	1238.5	1226.6	1230.6	1226.6	1221.3	1222.7	1228.6	1224.6	1236.5	1225.3	1234.6
7.5°	1234.6	1220.0	1224.0	1222.0	1217.4	1218.0	1224.0	1220.7	1231.2	1220.7	1231.2
10°	1228.6	1213.4	1216.7	1208.1	1198.2	1205.5	1217.4	1214.1	1225.3	1213.4	1225.3
12.5°	1219.4	1204.2	1200.9	1172.5	1154.6	1168.5	1204.8	1204.8	1215.4	1204.2	1216.7
15°	1208.8	1192.3	1174.4	1131.5	1113.0	1126.9	1177.1	1194.3	1203.5	1192.3	1204.8
17.5°	1196.2	1177.1	1142.7	1092.5	1075.4	1089.2	1140.8	1178.4	1190.3	1178.4	1189.6
20°	1180.4	1157.9	1109.0	1051.6	1040.4	1052.9	1104.4	1159.3	1175.8	1161.2	1169.2
22.5°	1163.2	1136.1	1071.4	1019.9	1014.6	1022.5	1069.4	1135.5	1157.3	1142.1	1147.4
25°	1142.1	1110.4	1033.7	990.8	986.8	991.5	1035.1	1107.7	1136.1	1120.3	1122.3
27.5°	1119.6	1085.3	998.1	966.4	962.4	964.4	1000.7	1076.7	1111.7	1095.8	1092.5
30°	1092.5	1055.5	962.4	933.3	929.4	936.6	967.7	1045.0	1084.6	1068.8	1058.8
32.5°	1065.5	1023.2	927.4	904.9	897.0	903.6	933.3	1011.9	1054.9	1038.4	1021.9
35°	1031.8	988.8	891.1	868.6	862.0	869.3	899.0	977.6	1021.2	1004.7	982.2
37.5°	996.8	952.5	858.0	837.6	825.7	834.3	864.0	941.9	986.2	969.0	941.3
40°	961.7	914.2	821.1	799.9	784.7	797.3	827.7	904.3	946.6	930.7	899.0
42.5°	920.8	875.9	784.7	755.0	712.1	752.4	788.7	866.6	905.6	890.4	852.1
45°	877.9	834.9	746.4	674.4	562.8	681.0	749.1	827.0	858.0	843.5	801.9
47.5°	829.0	792.6	707.4	597.8	489.5	604.4	708.8	789.3	813.1	797.3	751.0
50°	786.0	750.4	666.5	533.1	437.9	540.3	665.8	747.1	766.9	752.4	700.8
52.5°	737.2	706.1	622.2	475.6	399.6	482.9	620.9	703.5	719.3	702.2	650.6
55°	688.9	661.2	575.3	424.7	365.9	431.3	574.0	658.6	671.1	651.3	597.8
57.5°	640.1	615.0	527.1	379.2	334.9	386.4	530.4	612.3	620.9	595.8	546.9
60°	589.2	568.1	478.2	338.9	304.5	344.8	476.9	566.1	571.4	544.3	497.4
62.5°	538.3	519.2	429.4	301.9	273.5	305.8	432.7	517.2	520.5	494.7	446.5
65°	486.2	468.3	381.8	262.9	243.7	269.5	385.1	466.3	469.6	440.6	397.0
67.5°	432.0	417.5	330.9	233.2	215.3	235.2	337.5	414.8	416.8	388.4	348.8
70°	377.8	365.3	286.0	200.8	187.6	201.5	290.6	358.0	362.0	331.6	299.9
72.5°	322.3	312.4	242.4	167.1	155.2	167.1	245.1	305.8	308.5	283.4	252.3
75°	266.2	258.9	198.2	134.1	124.8	133.4	199.5	253.6	253.6	229.9	205.4
77.5°	212.0	206.7	151.9	103.0	96.4	101.7	152.6	200.8	199.5	181.0	161.8
80°	158.5	154.6	109.0	74.6	70.0	72.7	109.0	148.6	148.6	135.4	112.3
82.5°	113.6	109.0	72.0	48.9	46.2	47.6	70.7	103.7	105.7	95.8	76.0
85°	75.3	64.7	39.0	27.1	25.1	25.8	37.0	60.1	66.1	55.5	39.6
87.5°	33.0	21.8	9.9	4.0	2.0	2.6	7.9	19.2	25.1	16.5	5.3
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°	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2
2.5°	1235.2	1224.6	1228.6	1231.2	1228.6	1240.5
5°	1233.9	1229.3	1228.6	1231.9	1226.6	1238.5
7.5°	1231.9	1229.3	1228.6	1229.9	1223.3	1234.6
10°	1227.3	1223.3	1224.6	1226.6	1218.0	1228.6
12.5°	1218.7	1214.7	1215.4	1222.0	1210.1	1219.4
15°	1204.2	1199.5	1204.2	1211.4	1200.9	1208.8
17.5°	1185.0	1177.7	1185.7	1196.9	1189.0	1196.2
20°	1160.6	1149.3	1157.9	1178.4	1171.1	1180.4
22.5°	1130.8	1117.0	1125.6	1155.3	1153.3	1163.2
25°	1097.2	1080.6	1092.5	1128.9	1132.8	1142.1
27.5°	1059.5	1041.0	1056.9	1099.8	1109.0	1119.6
30°	1018.6	998.7	1017.2	1067.4	1081.3	1092.5
32.5°	976.3	954.5	975.6	1031.1	1050.9	1065.5
35°	932.0	909.6	933.3	993.5	1017.2	1031.8
37.5°	884.5	862.7	888.4	953.8	982.2	996.8
40°	835.6	811.1	840.2	906.9	944.6	961.7
42.5°	785.4	755.0	790.7	862.7	903.6	920.8
45°	729.2	687.0	735.2	815.8	858.7	877.9
47.5°	673.1	630.8	679.7	765.6	811.8	829.0
50°	618.9	582.6	621.6	710.7	764.2	786.0
52.5°	569.4	539.7	572.7	657.2	715.4	737.2
55°	523.1	500.0	527.1	604.4	663.8	688.9
57.5°	479.6	465.0	483.5	554.2	616.3	640.1
60°	438.6	428.7	441.9	504.7	560.1	589.2
62.5°	398.3	393.0	402.9	452.5	508.0	538.3
65°	359.3	358.0	363.3	406.9	453.1	486.2
67.5°	320.4	319.7	323.0	358.7	399.6	432.0
70°	281.4	285.4	283.4	306.5	346.1	377.8
72.5°	241.8	247.7	244.4	258.9	297.2	322.3
75°	197.5	205.4	198.8	215.3	239.1	266.2
77.5°	151.9	160.5	152.6	167.1	192.9	212.0
80°	109.0	116.9	110.3	121.5	144.0	158.5
82.5°	68.7	74.6	69.4	80.6	103.0	113.6
85°	30.4	33.7	35.0	43.6	63.4	75.3
87.5°	1.3	0.7	1.3	8.6	22.5	33.0
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)