

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: P520471

Luminaire Tested: **4WSLA-100-L930-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520471  
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-L930-UNV-U  
Description: 4 FOOT, 1000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

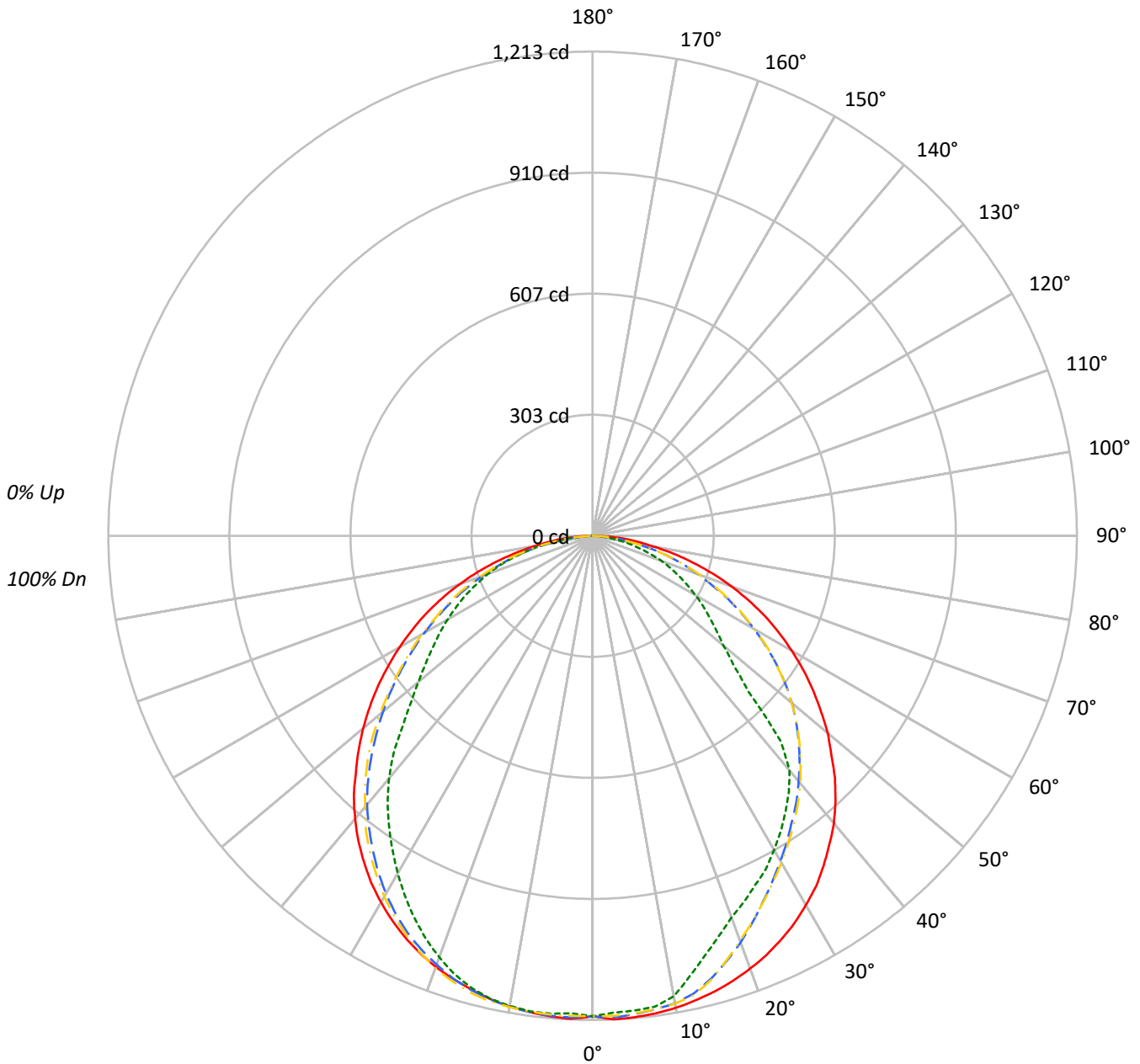
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3229.0 lumens  
Efficiency: N/A  
Efficacy: 102.2 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

TEST NUMBER: P520471

CATALOG NUMBER: 4WSLA-100-L930-UNV-U

### Luminous Intensity Polar Plot





TEST NUMBER: P520471

CATALOG NUMBER: 4WSLA-100-L930-UNV-U

**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°	6478	6478	6478	6478
5°	6541	6451	6531	6492
10°	6564	6402	6547	6536
15°	6584	6063	6555	6534
20°	6609	5825	6583	6435
25°	6630	5729	6596	6273
30°	6638	5647	6589	6068
35°	6627	5537	6559	5842
40°	6606	5389	6501	5571
45°	6532	4188	6384	5112
50°	6434	3584	6277	4768
55°	6320	3356	6156	4586
60°	6200	3204	6013	4511
65°	6053	3035	5847	4457
70°	5813	2886	5569	4390
75°	5411	2537	5157	4175
80°	4804	2120	4503	3543
85°	4545	1513	3989	2032



TEST NUMBER: P520471

CATALOG NUMBER: 4WSLA-100-L930-UNV-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.4	3.5
10°-20°	326.2	10.1
20°-30°	487.4	15.1
30°-40°	580.2	18.0
40°-50°	580.0	18.0
50°-60°	499.1	15.5
60°-70°	375.6	11.6
70°-80°	214.0	6.6
80°-90°	52.1	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°	928.0	28.7
0°-40°	1508.2	46.7
0°-60°	2587.3	80.1
0°-90°	3229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3229.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1204	1204	1204	1204	1204	
5°	1211	1194	1209	1202	1211	115
15°	1182	1088	1176	1173	1182	334
25°	1116	965	1111	1056	1116	515
35°	1009	843	998	889	1009	631
45°	858	550	839	672	858	661
55°	674	358	656	489	674	602
65°	475	238	459	350	475	469
75°	260	122	248	201	260	275
85°	74	24	65	33	74	80
90°	0	0	0	0	0	



TEST NUMBER: P520471

CATALOG NUMBER: 4WSLA-100-L930-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1203.7	1203.7	1203.7	1203.7	1203.7	1203.7	1203.7	1203.7	1203.7	1203.7	1203.7
2.5°	1212.7	1201.7	1208.2	1206.2	1195.9	1199.8	1203.7	1199.8	1211.4	1201.1	1208.2
5°	1210.8	1199.1	1203.0	1199.1	1194.0	1195.3	1201.1	1197.2	1208.8	1197.9	1206.9
7.5°	1206.9	1192.7	1196.6	1194.6	1190.1	1190.7	1196.6	1193.3	1203.7	1193.3	1203.7
10°	1201.1	1186.2	1189.5	1181.1	1171.4	1178.5	1190.1	1186.9	1197.9	1186.2	1197.9
12.5°	1192.0	1177.2	1174.0	1146.2	1128.8	1142.3	1177.8	1177.8	1188.2	1177.2	1189.5
15°	1181.7	1165.6	1148.1	1106.2	1088.1	1101.6	1150.7	1167.5	1176.5	1165.6	1177.8
17.5°	1169.4	1150.7	1117.1	1068.1	1051.3	1064.8	1115.2	1152.0	1163.6	1152.0	1163.0
20°	1153.9	1132.0	1084.2	1028.0	1017.0	1029.3	1079.7	1133.3	1149.4	1135.2	1143.0
22.5°	1137.2	1110.7	1047.4	997.0	991.9	999.6	1045.5	1110.0	1131.3	1116.5	1121.7
25°	1116.5	1085.5	1010.6	968.6	964.7	969.3	1011.9	1082.9	1110.7	1095.2	1097.1
27.5°	1094.5	1061.0	975.7	944.7	940.8	942.8	978.3	1052.6	1086.8	1071.3	1068.1
30°	1068.1	1031.9	940.8	912.4	908.6	915.7	946.0	1021.6	1060.3	1044.8	1035.1
32.5°	1041.6	1000.3	906.6	884.7	876.9	883.4	912.4	989.3	1031.3	1015.1	999.0
35°	1008.7	966.7	871.1	849.2	842.7	849.8	878.9	955.7	998.3	982.2	960.2
37.5°	974.4	931.2	838.8	818.8	807.2	815.6	844.6	920.8	964.1	947.3	920.2
40°	940.2	893.7	802.7	782.0	767.1	779.4	809.1	884.0	925.3	909.9	878.9
42.5°	900.2	856.3	767.1	738.1	696.1	735.5	771.0	847.2	885.3	870.5	833.0
45°	858.2	816.2	729.7	659.3	550.2	665.8	732.3	808.5	838.8	824.6	783.9
47.5°	810.4	774.9	691.6	584.4	478.5	590.9	692.9	771.7	794.9	779.4	734.2
50°	768.4	733.6	651.6	521.1	428.1	528.2	650.9	730.3	749.7	735.5	685.1
52.5°	720.6	690.3	608.3	464.9	390.7	472.0	607.0	687.7	703.2	686.4	636.1
55°	673.5	646.4	562.4	415.2	357.7	421.7	561.2	643.8	656.1	636.7	584.4
57.5°	625.7	601.2	515.3	370.7	327.4	377.8	518.5	598.6	607.0	582.5	534.7
60°	576.0	555.3	467.5	331.3	297.7	337.1	466.2	553.4	558.6	532.1	486.2
62.5°	526.3	507.6	419.7	295.1	267.3	299.0	423.0	505.6	508.8	483.7	436.5
65°	475.3	457.8	373.2	257.0	238.3	263.5	376.5	455.9	459.1	430.7	388.1
67.5°	422.3	408.1	323.5	227.9	210.5	229.9	330.0	405.5	407.5	379.7	341.0
70°	369.4	357.1	279.6	196.3	183.4	197.0	284.1	350.0	353.9	324.2	293.2
72.5°	315.1	305.4	237.0	163.4	151.7	163.4	239.6	299.0	301.6	277.0	246.7
75°	260.2	253.1	193.7	131.1	122.0	130.4	195.0	248.0	248.0	224.7	200.8
77.5°	207.3	202.1	148.5	100.7	94.3	99.4	149.2	196.3	195.0	176.9	158.2
80°	155.0	151.1	106.5	73.0	68.4	71.0	106.5	145.3	145.3	132.4	109.8
82.5°	111.1	106.5	70.4	47.8	45.2	46.5	69.1	101.4	103.3	93.6	74.3
85°	73.6	63.3	38.1	26.5	24.5	25.2	36.2	58.8	64.6	54.2	38.7
87.5°	32.3	21.3	9.7	3.9	1.9	2.6	7.7	18.7	24.5	16.1	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P520471

CATALOG NUMBER: 4WSLA-100-L930-UNV-U

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1203.7	1203.7	1203.7	1203.7	1203.7	1203.7
2.5°	1207.5	1197.2	1201.1	1203.7	1201.1	1212.7
5°	1206.2	1201.7	1201.1	1204.3	1199.1	1210.8
7.5°	1204.3	1201.7	1201.1	1202.4	1195.9	1206.9
10°	1199.8	1195.9	1197.2	1199.1	1190.7	1201.1
12.5°	1191.4	1187.5	1188.2	1194.6	1183.0	1192.0
15°	1177.2	1172.7	1177.2	1184.3	1174.0	1181.7
17.5°	1158.5	1151.4	1159.1	1170.1	1162.3	1169.4
20°	1134.6	1123.6	1132.0	1152.0	1144.9	1153.9
22.5°	1105.5	1092.0	1100.3	1129.4	1127.5	1137.2
25°	1072.6	1056.4	1068.1	1103.6	1107.4	1116.5
27.5°	1035.8	1017.7	1033.2	1075.2	1084.2	1094.5
30°	995.7	976.4	994.4	1043.5	1057.1	1068.1
32.5°	954.4	933.1	953.8	1008.0	1027.4	1041.6
35°	911.1	889.2	912.4	971.2	994.4	1008.7
37.5°	864.6	843.3	868.5	932.5	960.2	974.4
40°	816.9	793.0	821.4	886.6	923.4	940.2
42.5°	767.8	738.1	773.0	843.3	883.4	900.2
45°	712.9	671.6	718.7	797.5	839.5	858.2
47.5°	658.0	616.7	664.5	748.4	793.6	810.4
50°	605.1	569.5	607.6	694.8	747.1	768.4
52.5°	556.6	527.6	559.9	642.5	699.3	720.6
55°	511.4	488.8	515.3	590.9	649.0	673.5
57.5°	468.8	454.6	472.7	541.8	602.5	625.7
60°	428.8	419.1	432.0	493.3	547.6	576.0
62.5°	389.4	384.2	393.9	442.3	496.6	526.3
65°	351.3	350.0	355.2	397.8	443.0	475.3
67.5°	313.2	312.5	315.8	350.6	390.7	422.3
70°	275.1	279.0	277.0	299.6	338.4	369.4
72.5°	236.3	242.2	238.9	253.1	290.6	315.1
75°	193.1	200.8	194.4	210.5	233.8	260.2
77.5°	148.5	156.9	149.2	163.4	188.6	207.3
80°	106.5	114.3	107.8	118.8	140.8	155.0
82.5°	67.2	73.0	67.8	78.8	100.7	111.1
85°	29.7	32.9	34.2	42.6	62.0	73.6
87.5°	1.3	0.6	1.3	8.4	22.0	32.3
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)