

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: P520759

Luminaire Tested: **8WSLA-50-L930-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520759
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: 8WSLA-50-L930-UNV-U
Description: 8 FOOT, 1000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

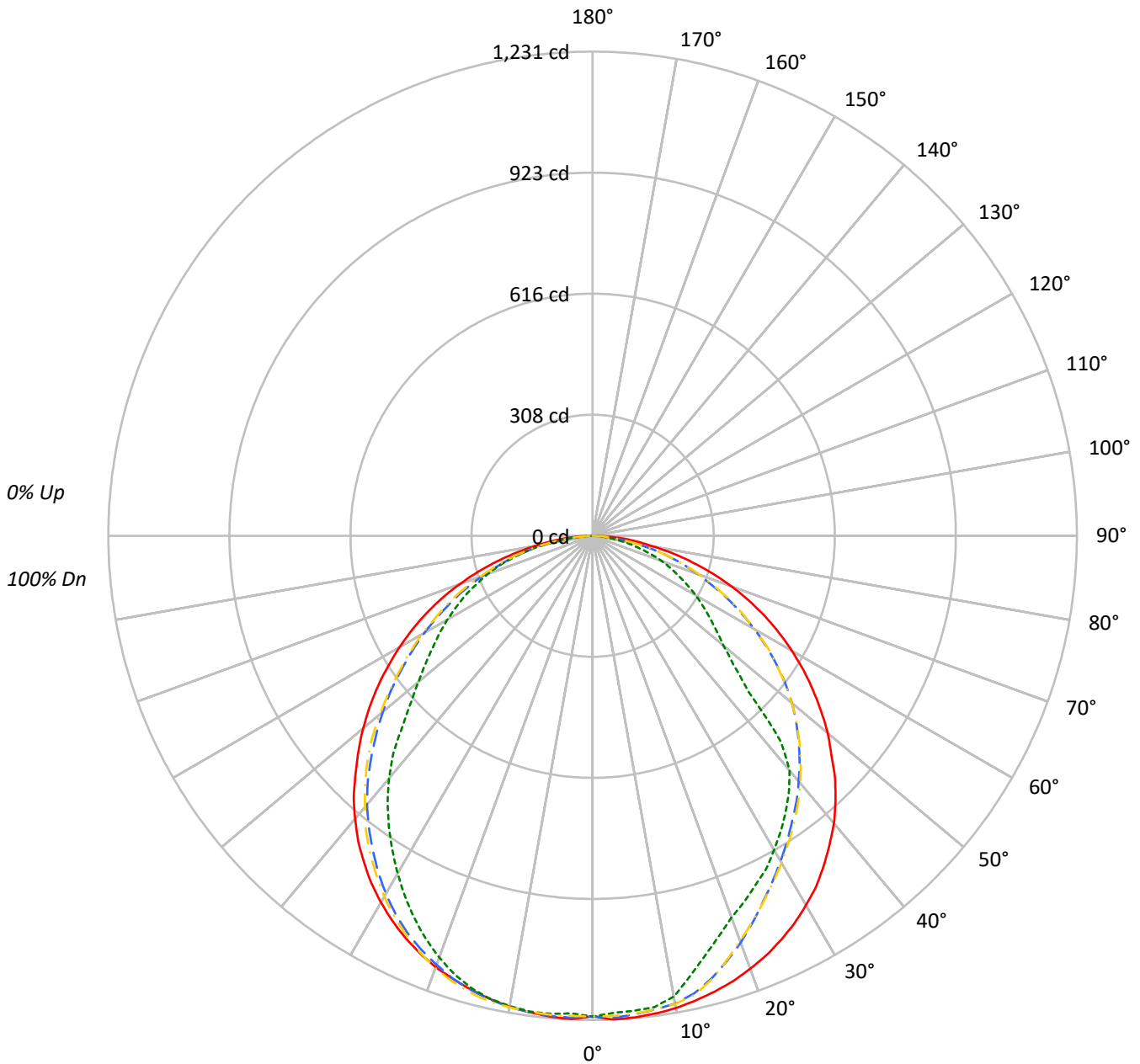
Lumens per Lamp: N/A
Luminaire Lumens: 3278.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 30.5
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			
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°	3288	3288	3288	3288
5°	3320	3274	3315	3296
10°	3332	3249	3323	3318
15°	3342	3077	3327	3317
20°	3355	2957	3342	3266
25°	3365	2908	3348	3184
30°	3369	2866	3345	3080
35°	3364	2810	3329	2965
40°	3353	2736	3300	2828
45°	3315	2125	3240	2595
50°	3266	1819	3186	2421
55°	3208	1704	3125	2328
60°	3147	1626	3052	2289
65°	3072	1540	2968	2262
70°	2950	1465	2826	2228
75°	2747	1288	2617	2120
80°	2438	1077	2286	1798
85°	2306	769	2025	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	3.5
10°-20°	331.2	10.1
20°-30°	494.8	15.1
30°-40°	589.0	18.0
40°-50°	588.8	18.0
50°-60°	506.6	15.5
60°-70°	381.3	11.6
70°-80°	217.3	6.6
80°-90°	52.9	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°	942.1	28.7
0°-40°	1531.1	46.7
0°-60°	2626.5	80.1
0°-90°	3278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3278.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1222	1222	1222	1222	1222	
5°	1229	1212	1227	1220	1229	117
15°	1200	1105	1194	1190	1200	339
25°	1133	979	1128	1072	1133	523
35°	1024	856	1014	903	1024	641
45°	871	558	852	682	871	671
55°	684	363	666	496	684	611
65°	482	242	466	355	482	476
75°	264	124	252	204	264	280
85°	75	25	66	33	75	81
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°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
2.5°	1231.1	1220.0	1226.5	1224.6	1214.1	1218.0	1221.9	1218.0	1229.8	1219.3	1226.5
5°	1229.1	1217.3	1221.3	1217.3	1212.1	1213.4	1219.3	1215.4	1227.2	1216.0	1225.2
7.5°	1225.2	1210.8	1214.7	1212.8	1208.2	1208.8	1214.7	1211.4	1221.9	1211.4	1221.9
10°	1219.3	1204.2	1207.5	1199.0	1189.2	1196.4	1208.2	1204.9	1216.0	1204.2	1216.0
12.5°	1210.1	1195.1	1191.8	1163.6	1145.9	1159.7	1195.7	1195.7	1206.2	1195.1	1207.5
15°	1199.6	1183.3	1165.6	1122.9	1104.6	1118.4	1168.2	1185.2	1194.4	1183.3	1195.7
17.5°	1187.2	1168.2	1134.1	1084.3	1067.2	1081.0	1132.1	1169.5	1181.3	1169.5	1180.6
20°	1171.5	1149.2	1100.7	1043.6	1032.5	1044.9	1096.1	1150.5	1166.9	1152.4	1160.3
22.5°	1154.4	1127.5	1063.3	1012.2	1006.9	1014.8	1061.3	1126.9	1148.5	1133.4	1138.7
25°	1133.4	1102.0	1025.9	983.3	979.4	984.0	1027.2	1099.3	1127.5	1111.8	1113.8
27.5°	1111.1	1077.1	990.5	959.1	955.1	957.1	993.1	1068.5	1103.3	1087.5	1084.3
30°	1084.3	1047.6	955.1	926.3	922.3	929.6	960.4	1037.1	1076.4	1060.7	1050.8
32.5°	1057.4	1015.4	920.4	898.1	890.2	896.8	926.3	1004.3	1046.9	1030.5	1014.1
35°	1024.0	981.3	884.3	862.0	855.5	862.7	892.2	970.2	1013.5	997.1	974.8
37.5°	989.2	945.3	851.5	831.2	819.4	827.9	857.4	934.8	978.7	961.7	934.1
40°	954.5	907.3	814.8	793.9	778.8	791.2	821.4	897.4	939.4	923.7	892.2
42.5°	913.8	869.2	778.8	749.3	706.7	746.7	782.7	860.1	898.7	883.7	845.6
45°	871.2	828.6	740.8	669.3	558.5	675.9	743.4	820.7	851.5	837.1	795.8
47.5°	822.7	786.7	702.1	593.3	485.8	599.8	703.4	783.4	807.0	791.2	745.4
50°	780.1	744.7	661.4	529.0	434.6	536.2	660.8	741.4	761.1	746.7	695.5
52.5°	731.6	700.8	617.5	472.0	396.6	479.2	616.2	698.2	713.9	696.8	645.7
55°	683.7	656.2	571.0	421.5	363.2	428.1	569.7	653.6	666.0	646.4	593.3
57.5°	635.2	610.3	523.1	376.3	332.4	383.5	526.4	607.7	616.2	591.3	542.8
60°	584.7	563.8	474.6	336.3	302.2	342.2	473.3	561.8	567.0	540.2	493.6
62.5°	534.3	515.3	426.1	299.6	271.4	303.5	429.4	513.3	516.6	491.0	443.1
65°	482.5	464.8	378.9	260.9	241.9	267.5	382.2	462.8	466.1	437.2	394.0
67.5°	428.7	414.3	328.4	231.4	213.7	233.4	335.0	411.7	413.6	385.5	346.1
70°	375.0	362.5	283.8	199.3	186.2	199.9	288.4	355.3	359.2	329.1	297.6
72.5°	319.9	310.1	240.6	165.9	154.1	165.9	243.2	303.5	306.1	281.2	250.4
75°	264.2	257.0	196.7	133.1	123.9	132.4	198.0	251.7	251.7	228.1	203.9
77.5°	210.4	205.2	150.8	102.3	95.7	101.0	151.4	199.3	198.0	179.6	160.6
80°	157.3	153.4	108.2	74.1	69.5	72.1	108.2	147.5	147.5	134.4	111.4
82.5°	112.8	108.2	71.5	48.5	45.9	47.2	70.1	102.9	104.9	95.1	75.4
85°	74.7	64.2	38.7	26.9	24.9	25.6	36.7	59.7	65.6	55.1	39.3
87.5°	32.8	21.6	9.8	3.9	2.0	2.6	7.9	19.0	24.9	16.4	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



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
2.5°	1225.9	1215.4	1219.3	1221.9	1219.3	1231.1
5°	1224.6	1220.0	1219.3	1222.6	1217.3	1229.1
7.5°	1222.6	1220.0	1219.3	1220.6	1214.1	1225.2
10°	1218.0	1214.1	1215.4	1217.3	1208.8	1219.3
12.5°	1209.5	1205.5	1206.2	1212.8	1201.0	1210.1
15°	1195.1	1190.5	1195.1	1202.3	1191.8	1199.6
17.5°	1176.0	1168.8	1176.7	1187.8	1180.0	1187.2
20°	1151.8	1140.6	1149.2	1169.5	1162.3	1171.5
22.5°	1122.3	1108.5	1117.0	1146.5	1144.6	1154.4
25°	1088.9	1072.5	1084.3	1120.3	1124.3	1133.4
27.5°	1051.5	1033.1	1048.9	1091.5	1100.7	1111.1
30°	1010.8	991.2	1009.5	1059.4	1073.1	1084.3
32.5°	968.9	947.3	968.2	1023.3	1043.0	1057.4
35°	925.0	902.7	926.3	985.9	1009.5	1024.0
37.5°	877.8	856.1	881.7	946.6	974.8	989.2
40°	829.3	805.0	833.8	900.1	937.4	954.5
42.5°	779.4	749.3	784.7	856.1	896.8	913.8
45°	723.7	681.8	729.6	809.6	852.2	871.2
47.5°	668.0	626.0	674.6	759.8	805.7	822.7
50°	614.2	578.2	616.9	705.4	758.5	780.1
52.5°	565.1	535.6	568.4	652.3	710.0	731.6
55°	519.2	496.2	523.1	599.8	658.8	683.7
57.5°	475.9	461.5	479.9	550.0	611.6	635.2
60°	435.3	425.4	438.6	500.8	555.9	584.7
62.5°	395.3	390.0	399.9	449.0	504.1	534.3
65°	356.6	355.3	360.5	403.8	449.7	482.5
67.5°	317.9	317.3	320.6	356.0	396.6	428.7
70°	279.3	283.2	281.2	304.2	343.5	375.0
72.5°	239.9	245.8	242.6	257.0	295.0	319.9
75°	196.0	203.9	197.3	213.7	237.3	264.2
77.5°	150.8	159.3	151.4	165.9	191.4	210.4
80°	108.2	116.0	109.5	120.6	142.9	157.3
82.5°	68.2	74.1	68.8	80.0	102.3	112.8
85°	30.2	33.4	34.7	43.3	62.9	74.7
87.5°	1.3	0.7	1.3	8.5	22.3	32.8
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)