

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: P520762

Luminaire Tested: **8WSLA-50-L935-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520762
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-L935-UNV-U
Description: 8 FOOT, 1000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

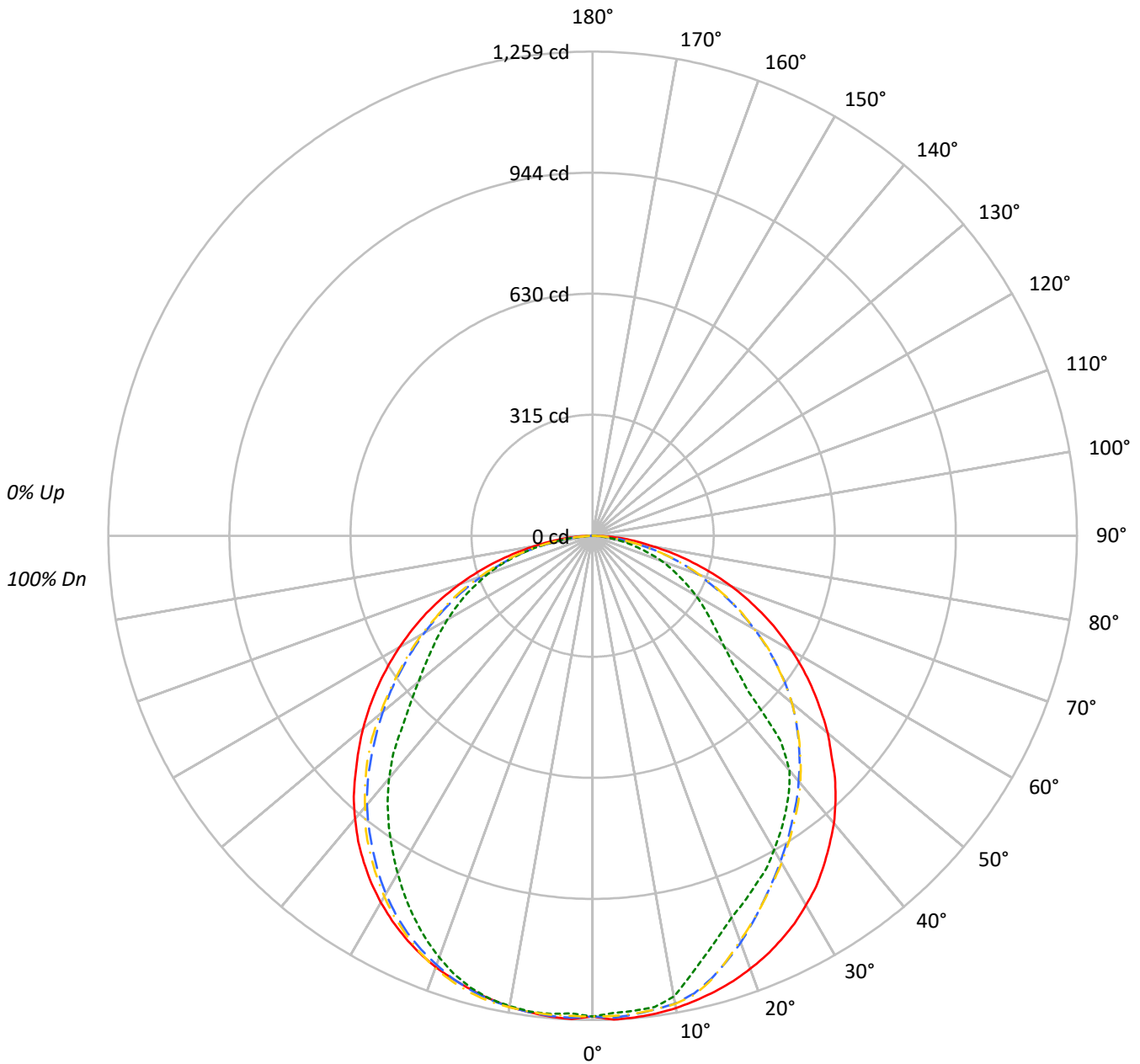
Lumens per Lamp: N/A
Luminaire Lumens: 3353.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P520762

CATALOG NUMBER: 8WSLA-50-L935-UNV-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	3363	3363	3363	3363
5°	3396	3349	3391	3371
10°	3408	3324	3399	3393
15°	3419	3148	3404	3392
20°	3432	3024	3418	3341
25°	3442	2975	3424	3257
30°	3446	2932	3421	3150
35°	3441	2875	3406	3033
40°	3430	2798	3375	2892
45°	3391	2174	3315	2654
50°	3340	1861	3259	2476
55°	3281	1743	3196	2381
60°	3219	1664	3122	2342
65°	3142	1575	3036	2314
70°	3017	1498	2891	2279
75°	2809	1317	2677	2168
80°	2493	1102	2338	1839
85°	2359	787	2072	1056



TEST NUMBER: P520762

CATALOG NUMBER: 8WSLA-50-L935-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	3.5
10°-20°	338.7	10.1
20°-30°	506.2	15.1
30°-40°	602.5	18.0
40°-50°	602.2	18.0
50°-60°	518.2	15.5
60°-70°	390.0	11.6
70°-80°	222.3	6.6
80°-90°	54.1	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°	963.6	28.7
0°-40°	1566.1	46.7
0°-60°	2686.6	80.1
0°-90°	3353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3353.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1250	1250	1250	1250	1250	
5°	1257	1240	1255	1248	1257	120
15°	1227	1130	1222	1218	1227	347
25°	1159	1002	1153	1097	1159	535
35°	1047	875	1037	923	1047	655
45°	891	571	871	697	891	686
55°	699	372	681	508	699	625
65°	494	247	477	363	494	487
75°	270	127	258	208	270	286
85°	76	26	67	34	76	83
90°	0	0	0	0	0	



TEST NUMBER: P520762

CATALOG NUMBER: 8WSLA-50-L935-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9
2.5°	1259.3	1247.9	1254.6	1252.6	1241.8	1245.9	1249.9	1245.9	1257.9	1247.2	1254.6
5°	1257.3	1245.2	1249.2	1245.2	1239.8	1241.2	1247.2	1243.2	1255.3	1243.9	1253.2
7.5°	1253.2	1238.5	1242.5	1240.5	1235.8	1236.5	1242.5	1239.2	1249.9	1239.2	1249.9
10°	1247.2	1231.8	1235.1	1226.4	1216.4	1223.7	1235.8	1232.5	1243.9	1231.8	1243.9
12.5°	1237.8	1222.4	1219.0	1190.2	1172.1	1186.2	1223.1	1223.1	1233.8	1222.4	1235.1
15°	1227.1	1210.3	1192.2	1148.6	1129.9	1143.9	1194.9	1212.3	1221.7	1210.3	1223.1
17.5°	1214.3	1194.9	1160.0	1109.1	1091.6	1105.7	1158.0	1196.2	1208.3	1196.2	1207.6
20°	1198.3	1175.5	1125.8	1067.5	1056.1	1068.8	1121.1	1176.8	1193.6	1178.8	1186.9
22.5°	1180.8	1153.3	1087.6	1035.3	1030.0	1038.0	1085.6	1152.7	1174.8	1159.4	1164.7
25°	1159.4	1127.2	1049.4	1005.8	1001.8	1006.5	1050.7	1124.5	1153.3	1137.2	1139.2
27.5°	1136.6	1101.7	1013.2	981.0	977.0	979.0	1015.9	1093.0	1128.5	1112.4	1109.1
30°	1109.1	1071.5	977.0	947.5	943.5	950.8	982.3	1060.8	1101.0	1084.9	1074.9
32.5°	1081.6	1038.7	941.4	918.6	910.6	917.3	947.5	1027.3	1070.9	1054.1	1037.3
35°	1047.4	1003.8	904.6	881.8	875.1	882.4	912.6	992.4	1036.7	1019.9	997.1
37.5°	1011.8	966.9	871.0	850.2	838.2	846.9	877.1	956.2	1001.1	983.7	955.5
40°	976.3	928.0	833.5	812.0	796.6	809.3	840.2	918.0	960.9	944.8	912.6
42.5°	934.7	889.1	796.6	766.4	722.8	763.7	800.6	879.7	919.3	903.9	865.0
45°	891.1	847.6	757.7	684.6	571.3	691.3	760.4	839.5	871.0	856.3	814.0
47.5°	841.5	804.6	718.1	606.8	496.9	613.5	719.5	801.3	825.4	809.3	762.4
50°	797.9	761.7	676.6	541.1	444.6	548.5	675.9	758.4	778.5	763.7	711.4
52.5°	748.3	716.8	631.6	482.8	405.7	490.2	630.3	714.1	730.2	712.8	660.5
55°	699.4	671.2	584.0	431.2	371.5	437.9	582.7	668.5	681.3	661.2	606.8
57.5°	649.8	624.3	535.1	384.9	340.0	392.3	538.4	621.6	630.3	604.8	555.2
60°	598.1	576.7	485.5	344.0	309.1	350.0	484.1	574.7	580.0	552.5	504.9
62.5°	546.5	527.0	435.9	306.4	277.6	310.5	439.2	525.0	528.4	502.2	453.3
65°	493.5	475.4	387.6	266.9	247.4	273.6	390.9	473.4	476.8	447.3	403.0
67.5°	438.5	423.8	335.9	236.7	218.6	238.7	342.6	421.1	423.1	394.3	354.0
70°	383.5	370.8	290.3	203.8	190.4	204.5	295.0	363.4	367.5	336.6	304.4
72.5°	327.2	317.2	246.1	169.6	157.6	169.6	248.8	310.5	313.1	287.7	256.1
75°	270.2	262.9	201.2	136.1	126.7	135.4	202.5	257.5	257.5	233.3	208.5
77.5°	215.2	209.9	154.2	104.6	97.9	103.3	154.9	203.8	202.5	183.7	164.3
80°	160.9	156.9	110.6	75.8	71.1	73.8	110.6	150.9	150.9	137.5	114.0
82.5°	115.3	110.6	73.1	49.6	46.9	48.3	71.7	105.3	107.3	97.2	77.1
85°	76.4	65.7	39.6	27.5	25.5	26.2	37.6	61.0	67.1	56.3	40.2
87.5°	33.5	22.1	10.1	4.0	2.0	2.7	8.0	19.4	25.5	16.8	5.4
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: P520762

CATALOG NUMBER: 8WSLA-50-L935-UNV-U

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9
2.5°	1253.9	1243.2	1247.2	1249.9	1247.2	1259.3
5°	1252.6	1247.9	1247.2	1250.6	1245.2	1257.3
7.5°	1250.6	1247.9	1247.2	1248.5	1241.8	1253.2
10°	1245.9	1241.8	1243.2	1245.2	1236.5	1247.2
12.5°	1237.1	1233.1	1233.8	1240.5	1228.4	1237.8
15°	1222.4	1217.7	1222.4	1229.8	1219.0	1227.1
17.5°	1202.9	1195.6	1203.6	1215.0	1207.0	1214.3
20°	1178.1	1166.7	1175.5	1196.2	1188.9	1198.3
22.5°	1148.0	1133.9	1142.6	1172.8	1170.8	1180.8
25°	1113.8	1097.0	1109.1	1146.0	1150.0	1159.4
27.5°	1075.5	1056.8	1072.9	1116.5	1125.8	1136.6
30°	1034.0	1013.9	1032.6	1083.6	1097.7	1109.1
32.5°	991.1	968.9	990.4	1046.7	1066.8	1081.6
35°	946.1	923.3	947.5	1008.5	1032.6	1047.4
37.5°	897.9	875.7	901.9	968.3	997.1	1011.8
40°	848.2	823.4	852.9	920.7	958.9	976.3
42.5°	797.3	766.4	802.6	875.7	917.3	934.7
45°	740.3	697.4	746.3	828.1	871.7	891.1
47.5°	683.3	640.4	690.0	777.2	824.1	841.5
50°	628.3	591.4	631.0	721.5	775.8	797.9
52.5°	578.0	547.8	581.4	667.2	726.2	748.3
55°	531.1	507.6	535.1	613.5	673.9	699.4
57.5°	486.8	472.1	490.8	562.6	625.6	649.8
60°	445.2	435.2	448.6	512.3	568.6	598.1
62.5°	404.3	399.0	409.0	459.3	515.6	546.5
65°	364.8	363.4	368.8	413.1	460.0	493.5
67.5°	325.2	324.5	327.9	364.1	405.7	438.5
70°	285.7	289.7	287.7	311.1	351.4	383.5
72.5°	245.4	251.5	248.1	262.9	301.7	327.2
75°	200.5	208.5	201.8	218.6	242.7	270.2
77.5°	154.2	162.9	154.9	169.6	195.8	215.2
80°	110.6	118.7	112.0	123.4	146.2	160.9
82.5°	69.7	75.8	70.4	81.8	104.6	115.3
85°	30.8	34.2	35.5	44.3	64.4	76.4
87.5°	1.3	0.7	1.3	8.7	22.8	33.5
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)