

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: P520497

Luminaire Tested: **4WSLA-125-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 4WSLA-125-L930-UPL8-UNV-U  
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

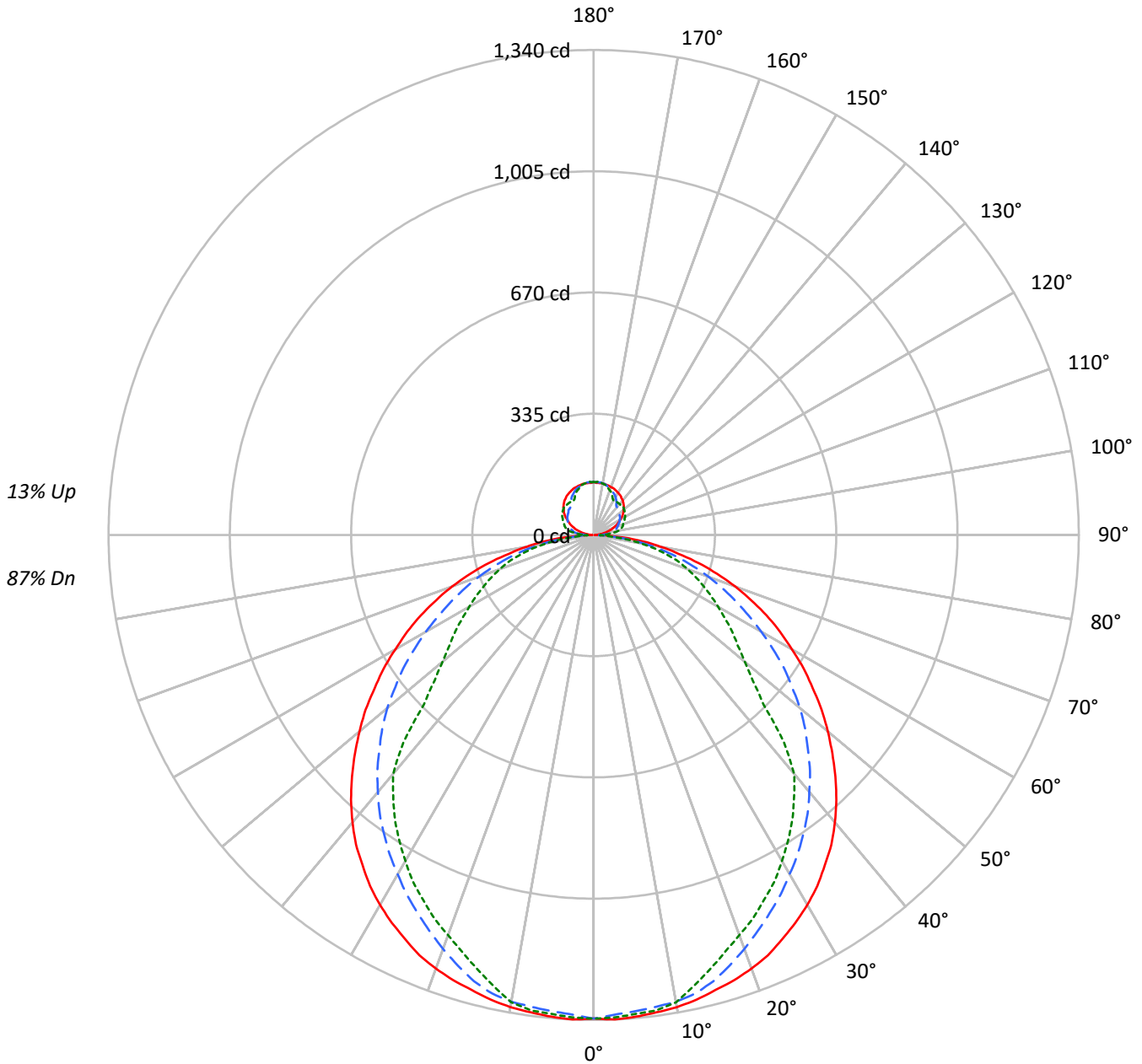
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4159.0 lumens  
Efficiency: N/A  
Efficacy: 107.2 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: Semi-Direct  
  
Input Watts (W): 38.8  
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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7192	7192	7192
5°	7220	7137	7178
10°	7240	7156	7167
15°	7253	7114	6921
20°	7302	6971	6740
25°	7320	6840	6611
30°	7337	6728	6465
35°	7315	6633	6292
40°	7281	6511	6052
45°	7186	6366	5049
50°	7068	6230	4556
55°	6929	6026	4385
60°	6809	5754	4264
65°	6710	5509	4261
70°	6535	5295	4327
75°	6238	5038	4358
80°	5839	4528	4054
85°	5341	3205	2729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.5	3.0
10°-20°	359.7	8.6
20°-30°	537.4	12.9
30°-40°	641.6	15.4
40°-50°	641.6	15.4
50°-60°	555.3	13.4
60°-70°	426.2	10.2
70°-80°	261.2	6.3
80°-90°	73.5	1.8
90°-100°	41.5	1.0
100°-110°	65.9	1.6
110°-120°	77.1	1.9
120°-130°	83.2	2.0
130°-140°	82.0	2.0
140°-150°	72.6	1.7
150°-160°	59.7	1.4
160°-170°	40.0	1.0
170°-180°	13.9	0.3
0°-30°	1023.6	24.6
0°-40°	1665.2	40.0
0°-60°	2862.1	68.8
0°-90°	3622.9	87.1
90°-120°	184.6	4.4
90°-150°	422.4	10.2
90°-180°	536.0	12.9
0°-180°	4159.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1336	1336	1336	1336	1336	
5°	1336	1332	1321	1331	1329	127
15°	1302	1300	1277	1254	1242	368
25°	1233	1217	1152	1121	1113	569
35°	1113	1084	1010	973	958	697
45°	944	917	836	762	663	728
55°	738	721	642	513	467	662
65°	527	508	433	348	335	520
75°	300	285	242	210	210	316
85°	86	71	52	44	44	90
90°	4	14	21	27	29	6
95°	15	33	44	46	46	15
105°	44	46	65	77	81	46
115°	73	62	77	88	94	71
125°	98	79	88	102	106	87
135°	117	106	98	108	113	90
145°	131	125	110	108	112	82
155°	138	136	129	123	121	64
165°	142	144	140	140	140	40
175°	144	146	146	148	148	14
180°	146	146	146	146	146	



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CATALOG NUMBER: 4WSLA-125-L930-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1336.4	1336.4	1336.4	1336.4	1336.4
2.5°	1340.2	1336.4	1326.8	1336.4	1334.5
5°	1336.4	1332.5	1321.0	1330.6	1328.7
7.5°	1330.6	1326.8	1315.2	1326.8	1324.8
10°	1324.8	1321.0	1309.5	1317.2	1311.4
12.5°	1315.2	1311.4	1297.9	1288.3	1276.8
15°	1301.8	1299.9	1276.8	1253.7	1242.2
17.5°	1290.2	1284.5	1247.9	1221.0	1207.6
20°	1274.9	1265.2	1217.2	1186.4	1176.8
22.5°	1257.5	1242.2	1184.5	1155.6	1147.9
25°	1232.6	1217.2	1151.8	1121.0	1113.3
27.5°	1207.6	1188.3	1119.1	1088.3	1080.6
30°	1180.6	1153.7	1082.6	1053.7	1040.3
32.5°	1149.9	1122.9	1048.0	1015.3	999.9
35°	1113.3	1084.5	1009.5	973.0	957.6
37.5°	1078.7	1048.0	971.0	930.7	909.5
40°	1036.4	1005.7	926.8	882.6	861.4
42.5°	992.2	963.4	884.5	830.7	778.8
45°	944.1	917.2	836.4	761.5	663.4
47.5°	894.1	871.1	792.2	690.3	596.1
50°	844.1	821.1	744.1	623.0	544.2
52.5°	794.1	774.9	690.3	567.2	501.9
55°	738.4	721.1	642.2	513.4	467.3
57.5°	688.4	671.1	586.5	469.2	430.7
60°	632.6	617.2	534.6	425.0	396.1
62.5°	580.7	563.4	482.6	386.5	365.3
65°	526.9	507.6	432.6	348.0	334.6
67.5°	471.1	451.9	384.6	313.4	305.7
70°	415.3	400.0	336.5	278.8	275.0
72.5°	357.7	340.3	288.4	246.1	246.1
75°	300.0	284.6	242.3	209.6	209.6
77.5°	240.4	232.7	194.2	171.1	173.1
80°	188.4	178.8	146.1	130.8	130.8
82.5°	138.4	126.9	98.1	86.5	90.4
85°	86.5	71.1	51.9	44.2	44.2
87.5°	26.9	21.2	15.4	17.3	17.3
90°	3.8	13.5	21.2	26.9	28.8
92.5°	9.6	25.0	30.8	36.5	38.5
95°	15.4	32.7	44.2	46.1	46.1
97.5°	21.2	36.5	53.8	61.5	61.5
100°	28.8	38.5	57.7	69.2	71.1
102.5°	36.5	42.3	61.5	73.1	76.9
105°	44.2	46.1	65.4	76.9	80.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	65.4	57.7	73.1	86.5	90.4
115°	73.1	61.5	76.9	88.5	94.2
117.5°	78.8	67.3	80.8	92.3	96.1
120°	84.6	71.1	82.7	96.1	100.0
122.5°	92.3	75.0	86.5	98.1	103.8
125°	98.1	78.8	88.5	101.9	105.8
127.5°	103.8	86.5	90.4	103.8	107.7
130°	107.7	94.2	92.3	105.8	109.6
132.5°	113.4	100.0	94.2	107.7	111.5
135°	117.3	105.8	98.1	107.7	113.4
137.5°	121.1	111.5	98.1	107.7	111.5
140°	125.0	117.3	100.0	107.7	111.5
142.5°	126.9	121.1	101.9	107.7	111.5
145°	130.8	125.0	109.6	107.7	111.5
147.5°	132.7	128.8	115.4	107.7	111.5
150°	134.6	132.7	121.1	109.6	109.6
152.5°	136.5	134.6	125.0	117.3	113.4
155°	138.4	136.5	128.8	123.1	121.1
157.5°	140.4	140.4	132.7	128.8	126.9
160°	140.4	142.3	136.5	132.7	130.8
162.5°	142.3	144.2	138.4	136.5	134.6
165°	142.3	144.2	140.4	140.4	140.4
167.5°	144.2	146.1	144.2	142.3	142.3
170°	144.2	146.1	144.2	144.2	144.2
172.5°	144.2	146.1	146.1	146.1	146.1
175°	144.2	146.1	146.1	148.1	148.1
177.5°	144.2	146.1	146.1	146.1	146.1
180°	146.1	146.1	146.1	146.1	146.1



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	51.9	50.0	67.3	80.8	84.6
110°	57.7	53.8	71.1	82.7	86.5



(END OF REPORT)