

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: P520500

Luminaire Tested: **4WSLA-125-L935-UPL8-UNV-U**

Issue Date: 5/3/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P520500  
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-L935-UPL8-UNV-U  
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

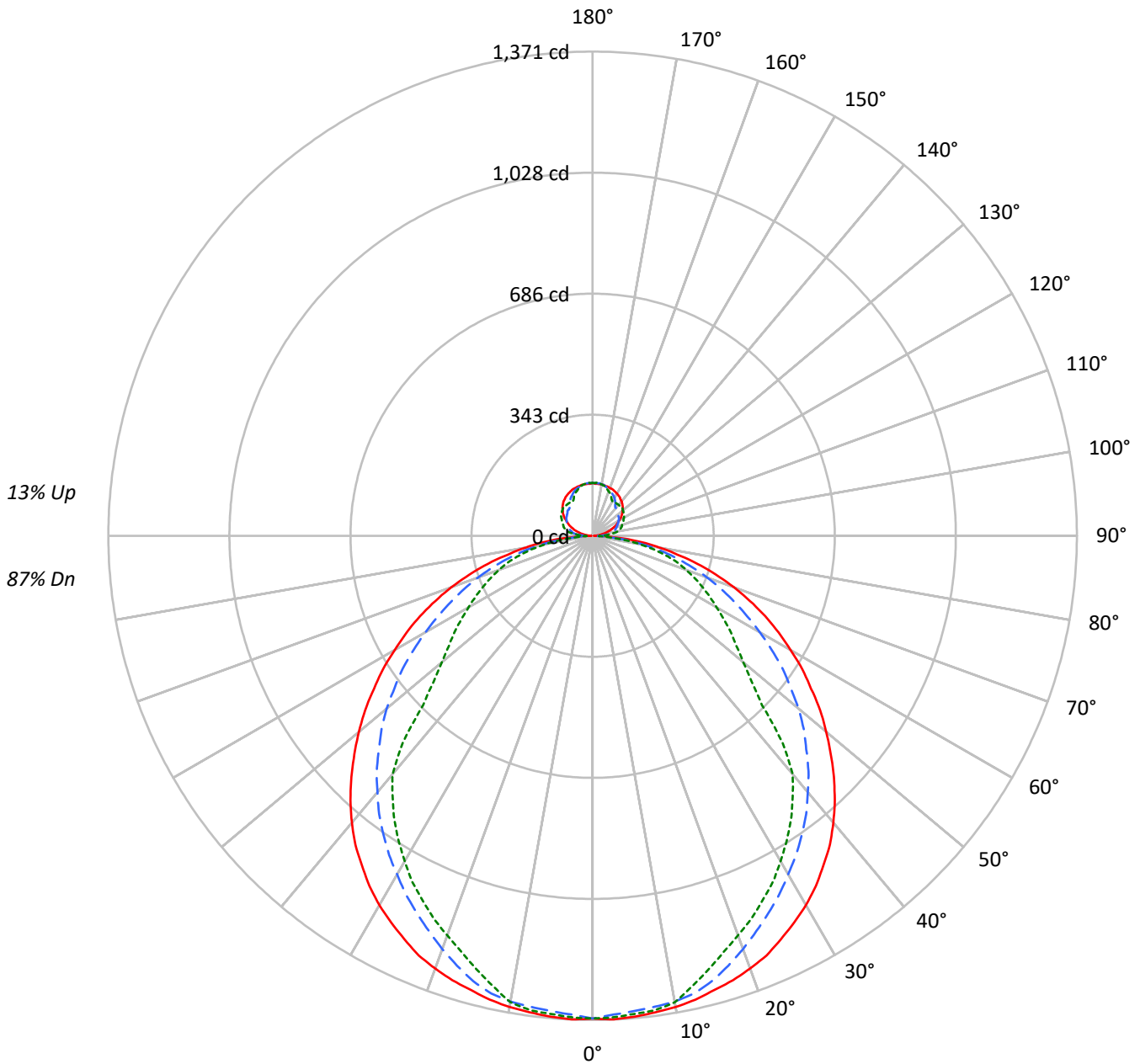
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4253.9 lumens  
Efficiency: N/A  
Efficacy: 109.6 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°	7357	7357	7357
5°	7385	7300	7342
10°	7406	7320	7330
15°	7419	7276	7079
20°	7468	7131	6894
25°	7486	6996	6763
30°	7505	6881	6612
35°	7482	6784	6435
40°	7448	6660	6190
45°	7350	6511	5164
50°	7229	6373	4660
55°	7086	6164	4484
60°	6965	5886	4362
65°	6863	5635	4358
70°	6685	5416	4425
75°	6380	5153	4458
80°	5972	4634	4144
85°	5465	3279	2791



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.4	3.0
10°-20°	367.9	8.6
20°-30°	549.7	12.9
30°-40°	656.2	15.4
40°-50°	656.3	15.4
50°-60°	568.0	13.4
60°-70°	435.9	10.2
70°-80°	267.1	6.3
80°-90°	75.2	1.8
90°-100°	42.5	1.0
100°-110°	67.5	1.6
110°-120°	78.9	1.9
120°-130°	85.1	2.0
130°-140°	83.9	2.0
140°-150°	74.2	1.7
150°-160°	61.1	1.4
160°-170°	40.9	1.0
170°-180°	14.2	0.3
0°-30°	1047.0	24.6
0°-40°	1703.2	40.0
0°-60°	2927.4	68.8
0°-90°	3705.7	87.1
90°-120°	188.8	4.4
90°-150°	432.1	10.2
90°-180°	548.0	12.9
0°-180°	4253.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1367	1367	1367	1367	1367	
5°	1367	1363	1351	1361	1359	130
15°	1332	1330	1306	1282	1270	377
25°	1261	1245	1178	1147	1139	582
35°	1139	1109	1033	995	980	713
45°	966	938	856	779	678	745
55°	755	738	657	525	478	677
65°	539	519	442	356	342	532
75°	307	291	248	214	214	324
85°	88	73	53	45	45	93
90°	4	14	22	28	30	6
95°	16	33	45	47	47	15
105°	45	47	67	79	83	47
115°	75	63	79	90	96	73
125°	100	81	90	104	108	89
135°	120	108	100	110	116	93
145°	134	128	112	110	114	83
155°	142	140	132	126	124	65
165°	146	148	144	144	144	41
175°	148	150	150	151	151	14
180°	150	150	150	150	150	



TEST NUMBER: P520500

CATALOG NUMBER: 4WSLA-125-L935-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1366.9	1366.9	1366.9	1366.9	1366.9
2.5°	1370.8	1366.9	1357.1	1366.9	1364.9
5°	1366.9	1363.0	1351.2	1361.0	1359.0
7.5°	1361.0	1357.1	1345.3	1357.1	1355.1
10°	1355.1	1351.2	1339.4	1347.2	1341.3
12.5°	1345.3	1341.3	1327.6	1317.7	1305.9
15°	1331.5	1329.5	1305.9	1282.3	1270.5
17.5°	1319.7	1313.8	1276.4	1248.9	1235.1
20°	1304.0	1294.1	1245.0	1213.5	1203.7
22.5°	1286.3	1270.5	1211.5	1182.0	1174.2
25°	1260.7	1245.0	1178.1	1146.6	1138.8
27.5°	1235.1	1215.5	1144.7	1113.2	1105.3
30°	1207.6	1180.1	1107.3	1077.8	1064.0
32.5°	1176.1	1148.6	1071.9	1038.5	1022.7
35°	1138.8	1109.3	1032.6	995.2	979.5
37.5°	1103.4	1071.9	993.2	951.9	930.3
40°	1060.1	1028.6	948.0	902.8	881.1
42.5°	1014.9	985.4	904.7	849.6	796.5
45°	965.7	938.2	855.5	778.8	678.5
47.5°	914.6	891.0	810.3	706.1	609.7
50°	863.4	839.8	761.1	637.2	556.6
52.5°	812.3	792.6	706.1	580.2	513.3
55°	755.2	737.5	656.9	525.1	477.9
57.5°	704.1	686.4	599.9	479.9	440.6
60°	647.1	631.3	546.8	434.7	405.2
62.5°	594.0	576.3	493.7	395.3	373.7
65°	538.9	519.2	442.5	356.0	342.2
67.5°	481.9	462.2	393.4	320.6	312.7
70°	424.8	409.1	344.2	285.2	281.2
72.5°	365.8	348.1	295.0	251.7	251.7
75°	306.8	291.1	247.8	214.4	214.4
77.5°	245.8	238.0	198.6	175.0	177.0
80°	192.7	182.9	149.5	133.7	133.7
82.5°	141.6	129.8	100.3	88.5	92.4
85°	88.5	72.8	53.1	45.2	45.2
87.5°	27.5	21.6	15.7	17.7	17.7
90°	3.9	13.8	21.6	27.5	29.5
92.5°	9.8	25.6	31.5	37.4	39.3
95°	15.7	33.4	45.2	47.2	47.2
97.5°	21.6	37.4	55.1	62.9	62.9
100°	29.5	39.3	59.0	70.8	72.8
102.5°	37.4	43.3	62.9	74.7	78.7
105°	45.2	47.2	66.9	78.7	82.6



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CATALOG NUMBER: 4WSLA-125-L935-UPL8-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	66.9	59.0	74.7	88.5	92.4
115°	74.7	62.9	78.7	90.5	96.4
117.5°	80.6	68.8	82.6	94.4	98.3
120°	86.5	72.8	84.6	98.3	102.3
122.5°	94.4	76.7	88.5	100.3	106.2
125°	100.3	80.6	90.5	104.2	108.2
127.5°	106.2	88.5	92.4	106.2	110.1
130°	110.1	96.4	94.4	108.2	112.1
132.5°	116.0	102.3	96.4	110.1	114.1
135°	120.0	108.2	100.3	110.1	116.0
137.5°	123.9	114.1	100.3	110.1	114.1
140°	127.8	120.0	102.3	110.1	114.1
142.5°	129.8	123.9	104.2	110.1	114.1
145°	133.7	127.8	112.1	110.1	114.1
147.5°	135.7	131.8	118.0	110.1	114.1
150°	137.7	135.7	123.9	112.1	112.1
152.5°	139.6	137.7	127.8	120.0	116.0
155°	141.6	139.6	131.8	125.9	123.9
157.5°	143.6	143.6	135.7	131.8	129.8
160°	143.6	145.5	139.6	135.7	133.7
162.5°	145.5	147.5	141.6	139.6	137.7
165°	145.5	147.5	143.6	143.6	143.6
167.5°	147.5	149.5	147.5	145.5	145.5
170°	147.5	149.5	147.5	147.5	147.5
172.5°	147.5	149.5	149.5	149.5	149.5
175°	147.5	149.5	149.5	151.4	151.4
177.5°	147.5	149.5	149.5	149.5	149.5
180°	149.5	149.5	149.5	149.5	149.5



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	53.1	51.1	68.8	82.6	86.5
110°	59.0	55.1	72.8	84.6	88.5



(END OF REPORT)