

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: P520667

Luminaire Tested: **8WSLA-125-L935-UPL15-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 8WSLA-125-L935-UPL15-UNV-U
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

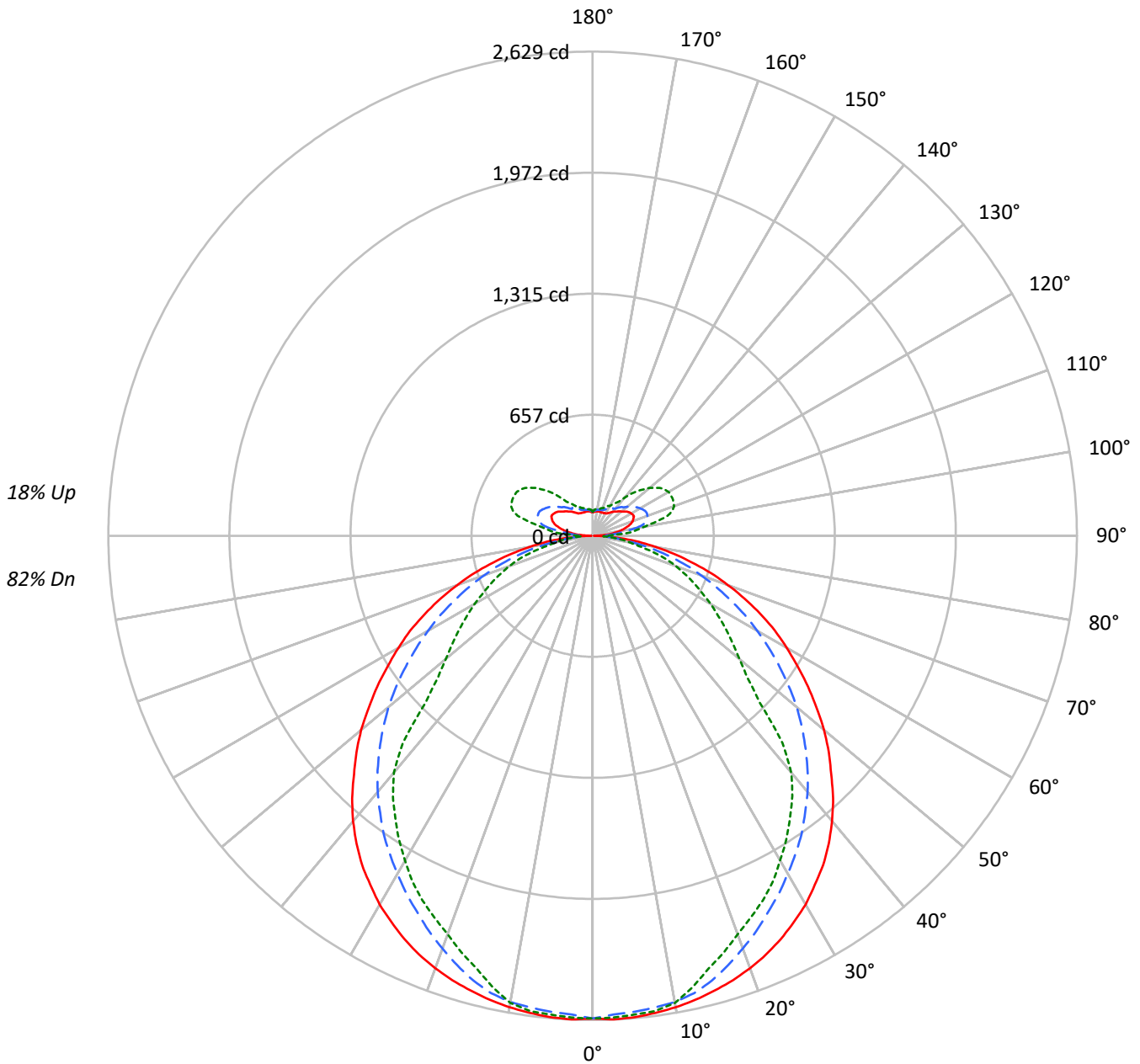
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8488.0 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 78.2
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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82								
1	105	100	96	92	100	96	93	89	89	86	83	82	80	78	76	74	72	69								
2	96	88	81	76	91	84	78	73	78	73	69	72	68	65	67	64	61	58								
3	87	77	69	63	83	74	67	61	69	63	58	64	59	55	59	55	52	49								
4	80	68	60	53	76	66	58	52	61	55	50	57	51	47	53	48	45	42								
5	73	61	52	46	70	59	51	45	55	48	43	51	45	41	48	43	39	36								
6	68	55	46	40	65	53	45	39	50	43	38	46	40	36	43	38	34	32								
7	63	50	41	35	60	48	40	35	45	38	33	42	36	32	39	34	30	28								
8	58	45	37	32	56	44	36	31	41	35	30	39	33	29	36	31	27	25								
9	55	42	34	28	52	40	33	28	38	31	27	36	30	26	33	28	25	23								
10	51	38	31	26	49	37	30	25	35	29	24	33	27	23	31	26	23	21								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7053	7053	7053
5°	7087	7008	7051
10°	7103	7024	7038
15°	7124	6968	6776
20°	7155	6828	6592
25°	7174	6693	6487
30°	7186	6583	6327
35°	7169	6497	6138
40°	7106	6378	5892
45°	6970	6221	4886
50°	6866	6054	4351
55°	6697	5811	4140
60°	6552	5550	3977
65°	6398	5247	3859
70°	6149	4914	3785
75°	5804	4505	3482
80°	5314	3789	3090
85°	4761	3282	3118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.4	2.9
10°-20°	705.6	8.3
20°-30°	1053.0	12.4
30°-40°	1254.7	14.8
40°-50°	1248.0	14.7
50°-60°	1069.6	12.6
60°-70°	805.5	9.5
70°-80°	466.5	5.5
80°-90°	140.2	1.7
90°-100°	150.5	1.8
100°-110°	309.1	3.6
110°-120°	326.8	3.9
120°-130°	272.7	3.2
130°-140°	190.5	2.2
140°-150°	118.6	1.4
150°-160°	73.5	0.9
160°-170°	41.4	0.5
170°-180°	13.3	0.2
0°-30°	2007.0	23.6
0°-40°	3261.7	38.4
0°-60°	5579.3	65.7
0°-90°	6991.5	82.4
90°-120°	786.5	9.3
90°-150°	1368.2	16.1
90°-180°	1496.0	17.6
0°-180°	8488.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2621	2621	2621	2621	2621	
5°	2624	2616	2594	2613	2610	250
15°	2557	2554	2501	2459	2432	723
25°	2416	2382	2254	2198	2185	1114
35°	2182	2124	1978	1900	1869	1363
45°	1831	1786	1635	1473	1284	1416
55°	1427	1406	1239	984	882	1276
65°	1005	981	824	641	606	993
75°	558	540	433	346	335	591
85°	154	136	106	101	101	164
90°	8	37	64	80	85	16
95°	85	114	130	191	207	81
105°	199	207	298	399	423	207
115°	247	210	316	436	478	241
125°	229	202	274	401	452	203
135°	186	202	221	298	343	145
145°	152	175	191	205	218	96
155°	138	146	157	170	173	64
165°	136	141	146	152	152	38
175°	133	136	138	141	144	13
180°	130	130	130	130	130	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2620.9	2620.9	2620.9	2620.9	2620.9
2.5°	2628.8	2623.5	2602.3	2623.5	2618.2
5°	2623.5	2615.5	2594.3	2612.9	2610.2
7.5°	2612.9	2607.6	2583.6	2604.9	2602.3
10°	2599.6	2591.6	2570.4	2586.3	2575.7
12.5°	2581.0	2575.7	2543.8	2530.5	2509.2
15°	2557.1	2554.4	2501.2	2458.7	2432.1
17.5°	2530.5	2519.9	2445.4	2394.9	2371.0
20°	2498.6	2482.6	2384.3	2325.8	2301.9
22.5°	2461.4	2437.5	2323.2	2267.3	2243.4
25°	2416.2	2381.6	2254.0	2198.2	2184.9
27.5°	2365.7	2325.8	2190.3	2134.4	2118.5
30°	2312.5	2262.0	2118.5	2065.3	2036.1
32.5°	2246.1	2198.2	2049.4	1988.2	1956.3
35°	2182.3	2123.8	1977.6	1900.5	1868.6
37.5°	2105.2	2046.7	1895.2	1818.1	1780.9
40°	2022.8	1964.3	1815.5	1725.1	1677.2
42.5°	1932.4	1879.3	1727.7	1618.8	1525.7
45°	1831.4	1786.2	1634.7	1472.6	1283.8
47.5°	1738.4	1695.8	1541.7	1331.7	1137.7
50°	1640.0	1600.2	1446.0	1198.8	1039.3
52.5°	1531.0	1501.8	1342.3	1084.5	956.9
55°	1427.4	1406.1	1238.7	983.5	882.5
57.5°	1318.4	1297.1	1135.0	887.8	808.1
60°	1217.4	1196.1	1031.3	802.7	738.9
62.5°	1116.4	1087.2	930.3	720.3	667.2
65°	1004.8	980.8	824.0	640.6	606.0
67.5°	893.1	871.8	725.7	566.2	542.2
70°	781.5	762.9	624.6	494.4	481.1
72.5°	672.5	648.6	534.3	422.6	417.3
75°	558.2	539.6	433.3	345.5	334.9
77.5°	449.2	433.3	340.2	263.1	255.2
80°	342.9	326.9	244.5	191.4	199.4
82.5°	252.5	231.3	164.8	148.9	156.8
85°	154.2	135.6	106.3	101.0	101.0
87.5°	53.2	50.5	47.8	55.8	58.5
90°	8.0	37.2	63.8	79.7	85.1
92.5°	45.2	66.5	87.7	103.7	109.0
95°	85.1	114.3	130.2	191.4	207.3
97.5°	117.0	151.5	170.1	225.9	241.9
100°	148.9	180.7	239.2	268.5	287.1
102.5°	175.4	199.4	281.8	340.2	350.9
105°	199.4	207.3	297.7	398.7	422.6



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CATALOG NUMBER: 8WSLA-125-L935-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	239.2	212.6	319.0	433.3	475.8
115°	247.2	210.0	316.3	435.9	478.5
117.5°	247.2	210.0	308.3	435.9	478.5
120°	241.9	212.6	297.7	430.6	475.8
122.5°	236.6	207.3	287.1	420.0	465.2
125°	228.6	202.0	273.8	401.4	451.9
127.5°	215.3	207.3	260.5	377.4	427.9
130°	204.7	210.0	244.5	353.5	404.0
132.5°	196.7	204.7	228.6	326.9	372.1
135°	186.1	202.0	220.6	297.7	342.9
137.5°	178.1	194.0	207.3	271.1	308.3
140°	170.1	188.7	194.0	236.6	268.5
142.5°	159.5	180.7	183.4	220.6	233.9
145°	151.5	175.4	191.4	204.7	218.0
147.5°	143.5	164.8	186.1	188.7	202.0
150°	140.9	154.2	178.1	180.7	186.1
152.5°	138.2	148.9	164.8	180.7	183.4
155°	138.2	146.2	156.8	170.1	172.8
157.5°	135.6	146.2	151.5	162.1	164.8
160°	135.6	143.5	148.9	156.8	159.5
162.5°	135.6	143.5	146.2	154.2	156.8
165°	135.6	140.9	146.2	151.5	151.5
167.5°	135.6	140.9	143.5	148.9	148.9
170°	135.6	138.2	143.5	146.2	146.2
172.5°	132.9	138.2	140.9	146.2	146.2
175°	132.9	135.6	138.2	140.9	143.5
177.5°	127.6	135.6	138.2	140.9	138.2
180°	130.2	130.2	130.2	130.2	130.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	218.0	210.0	308.3	420.0	454.5
110°	231.3	212.6	316.3	427.9	470.5



(END OF REPORT)