

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: P520673

Luminaire Tested: **8WSLA-125-L950-UPL15-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520673
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-L950-UPL15-UNV-U
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

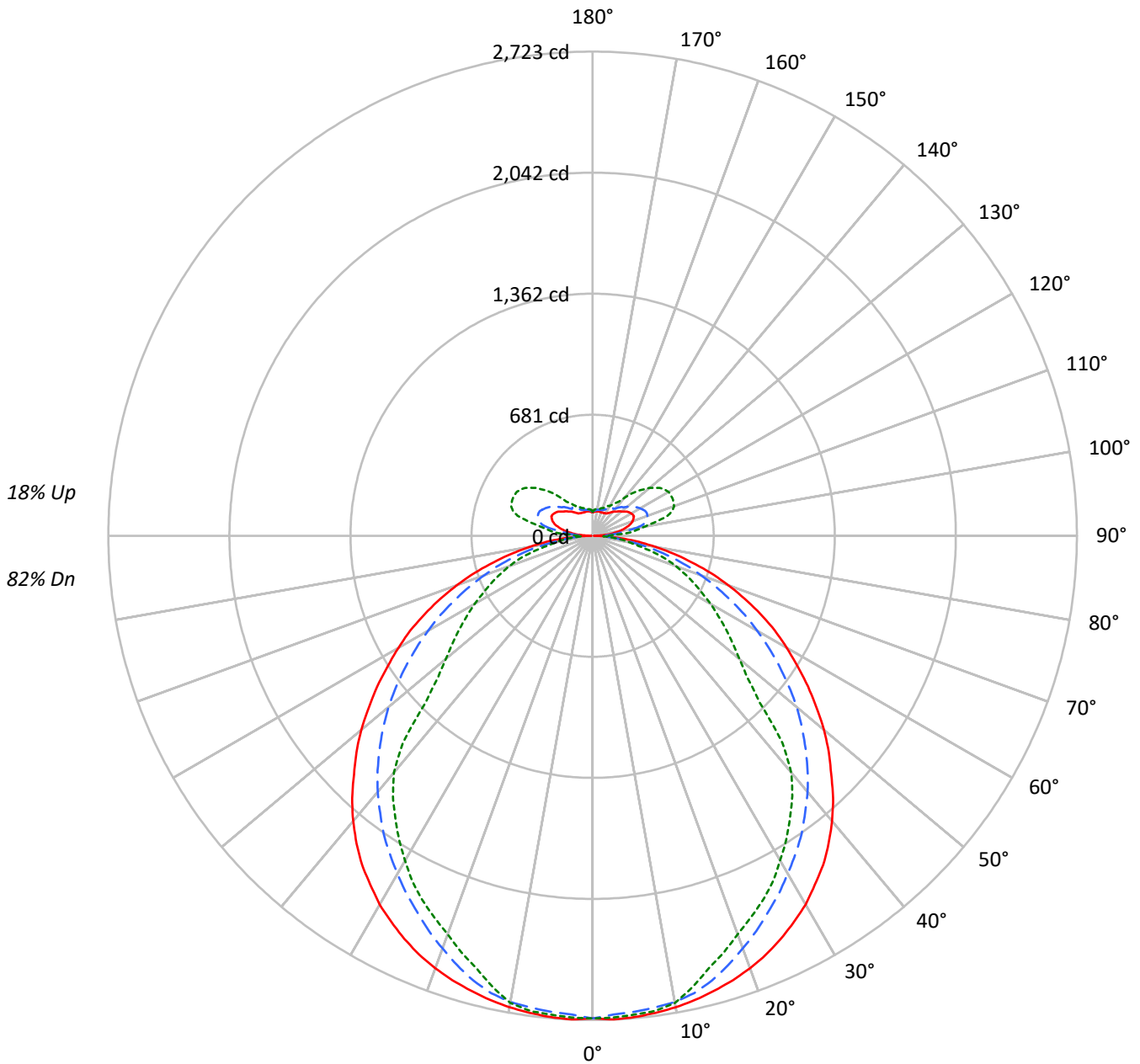
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8791.0 lumens
Efficiency: N/A
Efficacy: 112.4 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									
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	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°	7304	7304	7304
5°	7340	7258	7303
10°	7357	7274	7289
15°	7378	7217	7018
20°	7411	7072	6827
25°	7430	6932	6719
30°	7442	6818	6553
35°	7425	6728	6358
40°	7359	6605	6102
45°	7218	6443	5060
50°	7111	6270	4506
55°	6936	6019	4288
60°	6786	5748	4119
65°	6626	5434	3997
70°	6368	5090	3921
75°	6011	4665	3607
80°	5503	3925	3200
85°	4931	3399	3230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	2.9
10°-20°	730.8	8.3
20°-30°	1090.6	12.4
30°-40°	1299.5	14.8
40°-50°	1292.6	14.7
50°-60°	1107.8	12.6
60°-70°	834.3	9.5
70°-80°	483.2	5.5
80°-90°	145.2	1.7
90°-100°	155.9	1.8
100°-110°	320.2	3.6
110°-120°	338.5	3.9
120°-130°	282.4	3.2
130°-140°	197.3	2.2
140°-150°	122.8	1.4
150°-160°	76.1	0.9
160°-170°	42.9	0.5
170°-180°	13.8	0.2
0°-30°	2078.6	23.6
0°-40°	3378.1	38.4
0°-60°	5778.4	65.7
0°-90°	7241.1	82.4
90°-120°	814.6	9.3
90°-150°	1417.0	16.1
90°-180°	1550.0	17.6
0°-180°	8791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2714	2714	2714	2714	2714	
5°	2717	2709	2687	2706	2703	259
15°	2648	2646	2590	2546	2519	748
25°	2502	2467	2334	2277	2263	1154
35°	2260	2200	2048	1968	1935	1412
45°	1897	1850	1693	1525	1330	1466
55°	1478	1456	1283	1019	914	1322
65°	1041	1016	853	664	628	1029
75°	578	559	449	358	347	612
85°	160	140	110	105	105	170
90°	8	38	66	83	88	16
95°	88	118	135	198	215	84
105°	206	215	308	413	438	214
115°	256	218	328	452	496	249
125°	237	209	284	416	468	210
135°	193	209	228	308	355	150
145°	157	182	198	212	226	100
155°	143	151	162	176	179	66
165°	140	146	151	157	157	40
175°	138	140	143	146	149	13
180°	135	135	135	135	135	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2714.4	2714.4	2714.4	2714.4	2714.4
2.5°	2722.7	2717.2	2695.1	2717.2	2711.7
5°	2717.2	2708.9	2686.9	2706.2	2703.4
7.5°	2706.2	2700.7	2675.9	2697.9	2695.1
10°	2692.4	2684.1	2662.1	2678.6	2667.6
12.5°	2673.1	2667.6	2634.6	2620.8	2598.8
15°	2648.3	2645.6	2590.5	2546.5	2519.0
17.5°	2620.8	2609.8	2532.7	2480.4	2455.6
20°	2587.8	2571.3	2469.4	2408.8	2384.1
22.5°	2549.2	2524.5	2406.1	2348.3	2323.5
25°	2502.4	2466.7	2334.5	2276.7	2262.9
27.5°	2450.1	2408.8	2268.4	2210.6	2194.1
30°	2395.1	2342.8	2194.1	2139.0	2108.8
32.5°	2326.2	2276.7	2122.5	2059.2	2026.2
35°	2260.2	2199.6	2048.2	1968.4	1935.3
37.5°	2180.3	2119.8	1962.9	1883.0	1844.5
40°	2095.0	2034.4	1880.3	1786.7	1737.1
42.5°	2001.4	1946.3	1789.4	1676.6	1580.2
45°	1896.8	1850.0	1693.1	1525.1	1329.7
47.5°	1800.4	1756.4	1596.7	1379.2	1178.3
50°	1698.6	1657.3	1497.6	1241.6	1076.4
52.5°	1585.7	1555.4	1390.2	1123.2	991.1
55°	1478.3	1456.3	1282.9	1018.6	914.0
57.5°	1365.5	1343.4	1175.5	919.5	836.9
60°	1260.9	1238.8	1068.1	831.4	765.3
62.5°	1156.2	1126.0	963.5	746.1	691.0
65°	1040.6	1015.8	853.4	663.5	627.7
67.5°	925.0	903.0	751.6	586.4	561.6
70°	809.4	790.1	646.9	512.1	498.3
72.5°	696.5	671.7	553.3	437.7	432.2
75°	578.1	558.9	448.7	357.9	346.9
77.5°	465.2	448.7	352.4	272.5	264.3
80°	355.1	338.6	253.3	198.2	206.5
82.5°	261.5	239.5	170.7	154.2	162.4
85°	159.7	140.4	110.1	104.6	104.6
87.5°	55.1	52.3	49.6	57.8	60.6
90°	8.3	38.5	66.1	82.6	88.1
92.5°	46.8	68.8	90.8	107.4	112.9
95°	88.1	118.4	134.9	198.2	214.7
97.5°	121.1	156.9	176.2	234.0	250.5
100°	154.2	187.2	247.8	278.0	297.3
102.5°	181.7	206.5	291.8	352.4	363.4
105°	206.5	214.7	308.3	412.9	437.7



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CATALOG NUMBER: 8WSLA-125-L950-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	247.8	220.2	330.4	448.7	492.8
115°	256.0	217.5	327.6	451.5	495.5
117.5°	256.0	217.5	319.3	451.5	495.5
120°	250.5	220.2	308.3	446.0	492.8
122.5°	245.0	214.7	297.3	435.0	481.8
125°	236.8	209.2	283.6	415.7	468.0
127.5°	223.0	214.7	269.8	390.9	443.2
130°	212.0	217.5	253.3	366.1	418.4
132.5°	203.7	212.0	236.8	338.6	385.4
135°	192.7	209.2	228.5	308.3	355.1
137.5°	184.4	201.0	214.7	280.8	319.3
140°	176.2	195.5	201.0	245.0	278.0
142.5°	165.2	187.2	190.0	228.5	242.3
145°	156.9	181.7	198.2	212.0	225.7
147.5°	148.7	170.7	192.7	195.5	209.2
150°	145.9	159.7	184.4	187.2	192.7
152.5°	143.2	154.2	170.7	187.2	190.0
155°	143.2	151.4	162.4	176.2	178.9
157.5°	140.4	151.4	156.9	167.9	170.7
160°	140.4	148.7	154.2	162.4	165.2
162.5°	140.4	148.7	151.4	159.7	162.4
165°	140.4	145.9	151.4	156.9	156.9
167.5°	140.4	145.9	148.7	154.2	154.2
170°	140.4	143.2	148.7	151.4	151.4
172.5°	137.6	143.2	145.9	151.4	151.4
175°	137.6	140.4	143.2	145.9	148.7
177.5°	132.1	140.4	143.2	145.9	143.2
180°	134.9	134.9	134.9	134.9	134.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	225.7	217.5	319.3	435.0	470.8
110°	239.5	220.2	327.6	443.2	487.3



(END OF REPORT)