

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: P520674

Luminaire Tested: **8WSLA-125-L950-UPL8-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520674
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: 8WSLA-125-L950-UPL8-UNV-U
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

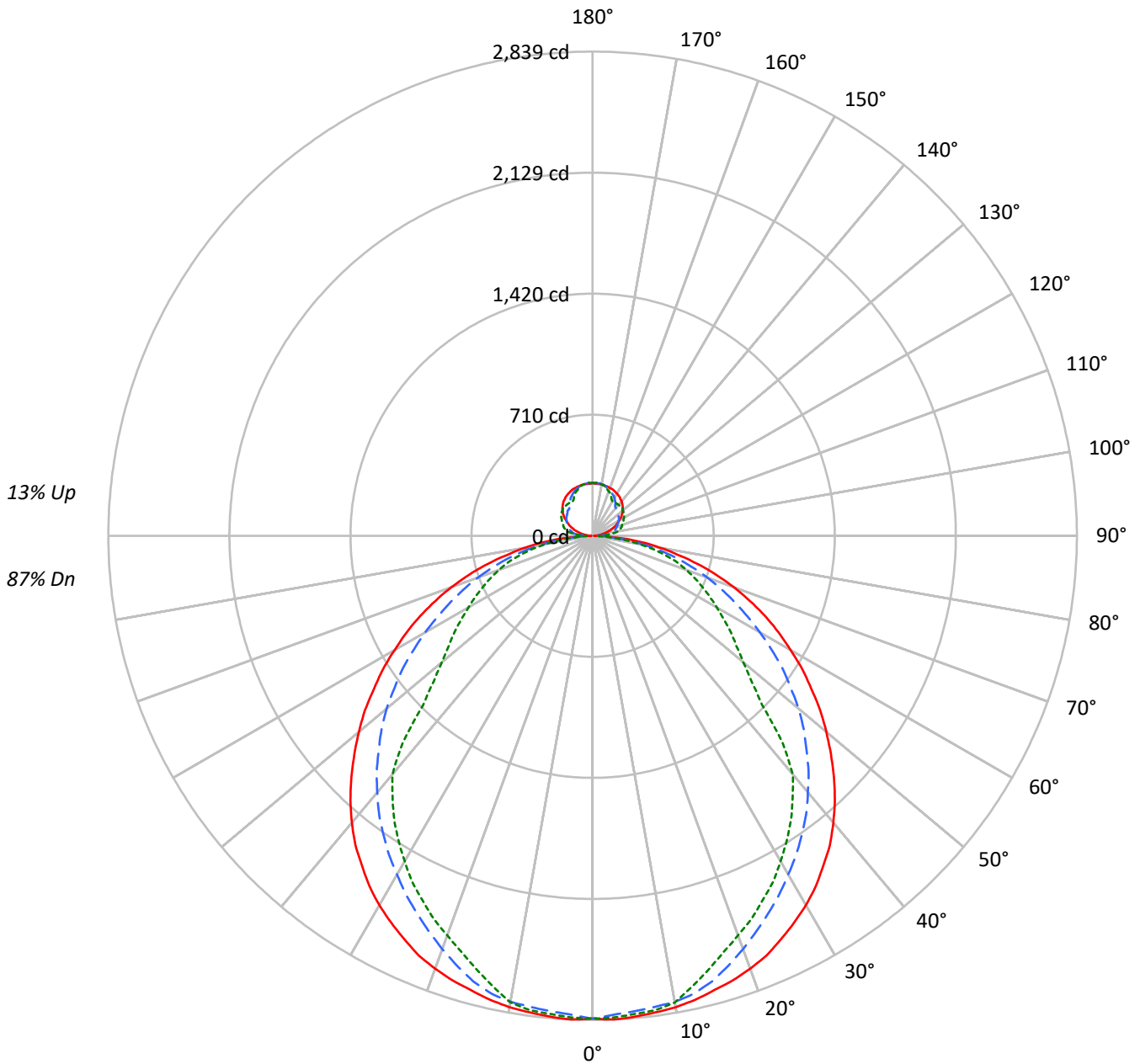
Lumens per Lamp: N/A
Luminaire Lumens: 8811.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

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	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°	7619	7619	7619
5°	7648	7560	7604
10°	7669	7580	7591
15°	7683	7536	7331
20°	7734	7384	7139
25°	7753	7245	7003
30°	7772	7127	6848
35°	7748	7026	6664
40°	7713	6897	6411
45°	7612	6744	5348
50°	7487	6600	4826
55°	7339	6383	4644
60°	7213	6095	4517
65°	7107	5836	4513
70°	6923	5609	4583
75°	6607	5337	4616
80°	6186	4798	4293
85°	5659	3396	2893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.0	3.0
10°-20°	762.0	8.6
20°-30°	1138.6	12.9
30°-40°	1359.1	15.4
40°-50°	1359.3	15.4
50°-60°	1176.4	13.4
60°-70°	902.9	10.2
70°-80°	553.3	6.3
80°-90°	155.8	1.8
90°-100°	88.0	1.0
100°-110°	139.7	1.6
110°-120°	163.4	1.9
120°-130°	176.4	2.0
130°-140°	173.8	2.0
140°-150°	153.7	1.7
150°-160°	126.5	1.4
160°-170°	84.7	1.0
170°-180°	29.5	0.3
0°-30°	2168.6	24.6
0°-40°	3527.7	40.0
0°-60°	6063.4	68.8
0°-90°	7675.3	87.1
90°-120°	391.1	4.4
90°-150°	895.0	10.2
90°-180°	1136.0	12.9
0°-180°	8811.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2831	2831	2831	2831	2831	
5°	2831	2823	2799	2819	2815	269
15°	2758	2754	2705	2656	2632	780
25°	2611	2579	2440	2375	2359	1205
35°	2359	2298	2139	2061	2029	1477
45°	2000	1943	1772	1613	1405	1542
55°	1564	1528	1361	1088	990	1402
65°	1116	1075	917	737	709	1102
75°	636	603	513	444	444	670
85°	183	151	110	94	94	192
90°	8	28	45	57	61	13
95°	33	69	94	98	98	32
105°	94	98	138	163	171	98
115°	155	130	163	187	200	151
125°	208	167	187	216	224	185
135°	248	224	208	228	240	192
145°	277	265	232	228	236	173
155°	293	289	273	261	257	135
165°	301	306	297	297	297	86
175°	306	310	310	314	314	29
180°	310	310	310	310	310	



TEST NUMBER: P520674

CATALOG NUMBER: 8WSLA-125-L950-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2831.2	2831.2	2831.2	2831.2	2831.2
2.5°	2839.3	2831.2	2810.8	2831.2	2827.1
5°	2831.2	2823.0	2798.6	2819.0	2814.9
7.5°	2819.0	2810.8	2786.4	2810.8	2806.7
10°	2806.7	2798.6	2774.2	2790.4	2778.2
12.5°	2786.4	2778.2	2749.7	2729.3	2704.9
15°	2757.9	2753.8	2704.9	2656.0	2631.6
17.5°	2733.4	2721.2	2643.8	2586.8	2558.2
20°	2700.8	2680.5	2578.6	2513.4	2493.1
22.5°	2664.2	2631.6	2509.4	2448.3	2432.0
25°	2611.2	2578.6	2440.1	2374.9	2358.6
27.5°	2558.2	2517.5	2370.9	2305.7	2289.4
30°	2501.2	2444.2	2293.5	2232.4	2203.8
32.5°	2436.0	2379.0	2220.1	2150.9	2118.3
35°	2358.6	2297.5	2138.7	2061.3	2028.7
37.5°	2285.3	2220.1	2057.2	1971.6	1926.8
40°	2195.7	2130.5	1963.5	1869.8	1825.0
42.5°	2102.0	2040.9	1873.9	1759.8	1649.8
45°	2000.2	1943.1	1772.0	1613.2	1405.4
47.5°	1894.2	1845.4	1678.3	1462.4	1262.8
50°	1788.3	1739.4	1576.5	1319.9	1152.8
52.5°	1682.4	1641.7	1462.4	1201.7	1063.2
55°	1564.3	1527.6	1360.6	1087.7	989.9
57.5°	1458.4	1421.7	1242.5	994.0	912.5
60°	1340.2	1307.6	1132.5	900.3	839.2
62.5°	1230.2	1193.6	1022.5	818.8	774.0
65°	1116.2	1075.4	916.6	737.3	708.8
67.5°	998.0	957.3	814.7	664.0	647.7
70°	879.9	847.3	712.9	590.7	582.5
72.5°	757.7	721.0	611.0	521.4	521.4
75°	635.5	602.9	513.3	444.0	444.0
77.5°	509.2	492.9	411.4	362.6	366.6
80°	399.2	378.8	309.6	277.0	277.0
82.5°	293.3	268.9	207.8	183.3	191.5
85°	183.3	150.7	110.0	93.7	93.7
87.5°	57.0	44.8	32.6	36.7	36.7
90°	8.1	28.5	44.8	57.0	61.1
92.5°	20.4	53.0	65.2	77.4	81.5
95°	32.6	69.3	93.7	97.8	97.8
97.5°	44.8	77.4	114.1	130.4	130.4
100°	61.1	81.5	122.2	146.7	150.7
102.5°	77.4	89.6	130.4	154.8	162.9
105°	93.7	97.8	138.5	162.9	171.1



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CATALOG NUMBER: 8WSLA-125-L950-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	138.5	122.2	154.8	183.3	191.5
115°	154.8	130.4	162.9	187.4	199.6
117.5°	167.0	142.6	171.1	195.5	203.7
120°	179.2	150.7	175.2	203.7	211.8
122.5°	195.5	158.9	183.3	207.8	220.0
125°	207.8	167.0	187.4	215.9	224.1
127.5°	220.0	183.3	191.5	220.0	228.1
130°	228.1	199.6	195.5	224.1	232.2
132.5°	240.3	211.8	199.6	228.1	236.3
135°	248.5	224.1	207.8	228.1	240.3
137.5°	256.6	236.3	207.8	228.1	236.3
140°	264.8	248.5	211.8	228.1	236.3
142.5°	268.9	256.6	215.9	228.1	236.3
145°	277.0	264.8	232.2	228.1	236.3
147.5°	281.1	272.9	244.4	228.1	236.3
150°	285.2	281.1	256.6	232.2	232.2
152.5°	289.2	285.2	264.8	248.5	240.3
155°	293.3	289.2	272.9	260.7	256.6
157.5°	297.4	297.4	281.1	272.9	268.9
160°	297.4	301.4	289.2	281.1	277.0
162.5°	301.4	305.5	293.3	289.2	285.2
165°	301.4	305.5	297.4	297.4	297.4
167.5°	305.5	309.6	305.5	301.4	301.4
170°	305.5	309.6	305.5	305.5	305.5
172.5°	305.5	309.6	309.6	309.6	309.6
175°	305.5	309.6	309.6	313.7	313.7
177.5°	305.5	309.6	309.6	309.6	309.6
180°	309.6	309.6	309.6	309.6	309.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	110.0	105.9	142.6	171.1	179.2
110°	122.2	114.1	150.7	175.2	183.3



(END OF REPORT)