

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: P520654

Luminaire Tested: **8WSLA-125-L835-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520654  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2002-689-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-125-L835-UNV-U  
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

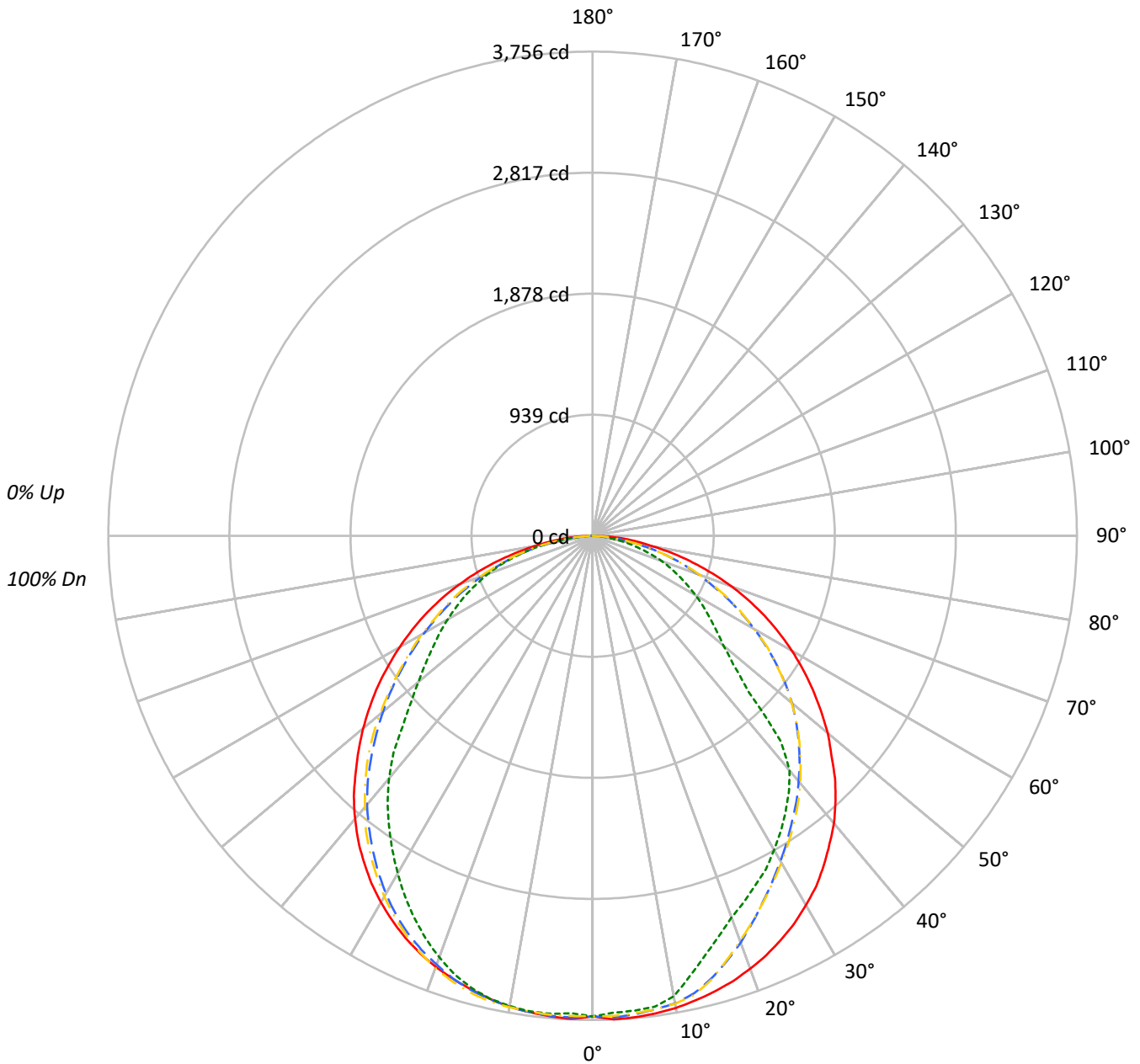
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10000.0 lumens  
Efficiency: N/A  
Efficacy: 127.9 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: Direct  
  
Input Watts (W): 78.2  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84																			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70																			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60																			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	90°	180°	270°
0°	10031	10031	10031	10031
5°	10129	9988	10113	10053
10°	10164	9913	10137	10120
15°	10196	9388	10151	10118
20°	10234	9020	10194	9965
25°	10266	8871	10213	9714
30°	10278	8743	10203	9395
35°	10262	8573	10156	9046
40°	10228	8346	10067	8627
45°	10115	6484	9886	7915
50°	9963	5551	9720	7384
55°	9786	5198	9532	7103
60°	9600	4962	9310	6985
65°	9372	4699	9054	6902
70°	9000	4468	8622	6797
75°	8379	3930	7984	6466
80°	7438	3285	6974	5486
85°	7040	2347	6175	3149



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.2	3.5
10°-20°	1010.2	10.1
20°-30°	1509.5	15.1
30°-40°	1796.9	18.0
40°-50°	1796.1	18.0
50°-60°	1545.5	15.5
60°-70°	1163.3	11.6
70°-80°	662.9	6.6
80°-90°	161.4	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2874.0	28.7
0°-40°	4670.9	46.7
0°-60°	8012.5	80.1
0°-90°	10000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3728	3728	3728	3728	3728	
5°	3750	3698	3744	3722	3750	357
15°	3660	3370	3644	3632	3660	1034
25°	3458	2988	3440	3272	3458	1594
35°	3124	2610	3092	2754	3124	1955
45°	2658	1704	2598	2080	2658	2047
55°	2086	1108	2032	1514	2086	1865
65°	1472	738	1422	1084	1472	1453
75°	806	378	768	622	806	853
85°	228	76	200	102	228	248
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3727.7	3727.7	3727.7	3727.7	3727.7	3727.7	3727.7	3727.7	3727.7	3727.7	3727.7
2.5°	3755.7	3721.7	3741.7	3735.7	3703.7	3715.7	3727.7	3715.7	3751.7	3719.7	3741.7
5°	3749.7	3713.7	3725.7	3713.7	3697.7	3701.7	3719.7	3707.7	3743.7	3709.7	3737.7
7.5°	3737.7	3693.7	3705.7	3699.7	3685.7	3687.7	3705.7	3695.7	3727.7	3695.7	3727.7
10°	3719.7	3673.7	3683.7	3657.7	3627.7	3649.7	3685.7	3675.7	3709.7	3673.7	3709.7
12.5°	3691.7	3645.7	3635.7	3549.7	3495.7	3537.7	3647.7	3647.7	3679.7	3645.7	3683.7
15°	3659.7	3609.7	3555.7	3425.7	3369.7	3411.7	3563.7	3615.7	3643.7	3609.7	3647.7
17.5°	3621.7	3563.7	3459.7	3307.7	3255.7	3297.7	3453.7	3567.7	3603.7	3567.7	3601.7
20°	3573.7	3505.7	3357.7	3183.7	3149.7	3187.7	3343.7	3509.7	3559.7	3515.7	3539.7
22.5°	3521.7	3439.7	3243.7	3087.7	3071.7	3095.7	3237.7	3437.7	3503.7	3457.7	3473.7
25°	3457.7	3361.7	3129.7	2999.7	2987.7	3001.7	3133.7	3353.7	3439.7	3391.7	3397.7
27.5°	3389.7	3285.7	3021.7	2925.7	2913.7	2919.7	3029.7	3259.7	3365.7	3317.7	3307.7
30°	3307.7	3195.7	2913.7	2825.7	2813.8	2835.7	2929.7	3163.7	3283.7	3235.7	3205.7
32.5°	3225.7	3097.7	2807.8	2739.8	2715.8	2735.8	2825.7	3063.7	3193.7	3143.7	3093.7
35°	3123.7	2993.7	2697.8	2629.8	2609.8	2631.8	2721.8	2959.7	3091.7	3041.7	2973.7
37.5°	3017.7	2883.7	2597.8	2535.8	2499.8	2525.8	2615.8	2851.7	2985.7	2933.7	2849.7
40°	2911.7	2767.8	2485.8	2421.8	2375.8	2413.8	2505.8	2737.8	2865.7	2817.8	2721.8
42.5°	2787.8	2651.8	2375.8	2285.8	2155.8	2277.8	2387.8	2623.8	2741.8	2695.8	2579.8
45°	2657.8	2527.8	2259.8	2041.8	1703.8	2061.8	2267.8	2503.8	2597.8	2553.8	2427.8
47.5°	2509.8	2399.8	2141.8	1809.8	1481.9	1829.8	2145.8	2389.8	2461.8	2413.8	2273.8
50°	2379.8	2271.8	2017.8	1613.9	1325.9	1635.9	2015.8	2261.8	2321.8	2277.8	2121.8
52.5°	2231.8	2137.8	1883.8	1439.9	1209.9	1461.9	1879.8	2129.8	2177.8	2125.8	1969.8
55°	2085.8	2001.8	1741.8	1285.9	1107.9	1305.9	1737.8	1993.8	2031.8	1971.8	1809.8
57.5°	1937.8	1861.8	1595.9	1147.9	1013.9	1169.9	1605.9	1853.8	1879.8	1803.8	1655.9
60°	1783.8	1719.8	1447.9	1025.9	921.9	1043.9	1443.9	1713.8	1729.8	1647.9	1505.9
62.5°	1629.9	1571.9	1299.9	913.9	827.9	925.9	1309.9	1565.9	1575.9	1497.9	1351.9
65°	1471.9	1417.9	1155.9	795.9	737.9	815.9	1165.9	1411.9	1421.9	1333.9	1201.9
67.5°	1307.9	1263.9	1001.9	705.9	651.9	711.9	1021.9	1255.9	1261.9	1175.9	1055.9
70°	1143.9	1105.9	865.9	607.9	567.9	609.9	879.9	1083.9	1095.9	1003.9	907.9
72.5°	975.9	945.9	733.9	506.0	470.0	506.0	741.9	925.9	933.9	857.9	763.9
75°	805.9	783.9	599.9	406.0	378.0	404.0	603.9	767.9	767.9	695.9	621.9
77.5°	641.9	625.9	460.0	312.0	292.0	308.0	462.0	607.9	603.9	548.0	490.0
80°	480.0	468.0	330.0	226.0	212.0	220.0	330.0	450.0	450.0	410.0	340.0
82.5°	344.0	330.0	218.0	148.0	140.0	144.0	214.0	314.0	320.0	290.0	230.0
85°	228.0	196.0	118.0	82.0	76.0	78.0	112.0	182.0	200.0	168.0	120.0
87.5°	100.0	66.0	30.0	12.0	6.0	8.0	24.0	58.0	76.0	50.0	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3727.7	3727.7	3727.7	3727.7	3727.7	3727.7
2.5°	3739.7	3707.7	3719.7	3727.7	3719.7	3755.7
5°	3735.7	3721.7	3719.7	3729.7	3713.7	3749.7
7.5°	3729.7	3721.7	3719.7	3723.7	3703.7	3737.7
10°	3715.7	3703.7	3707.7	3713.7	3687.7	3719.7
12.5°	3689.7	3677.7	3679.7	3699.7	3663.7	3691.7
15°	3645.7	3631.7	3645.7	3667.7	3635.7	3659.7
17.5°	3587.7	3565.7	3589.7	3623.7	3599.7	3621.7
20°	3513.7	3479.7	3505.7	3567.7	3545.7	3573.7
22.5°	3423.7	3381.7	3407.7	3497.7	3491.7	3521.7
25°	3321.7	3271.7	3307.7	3417.7	3429.7	3457.7
27.5°	3207.7	3151.7	3199.7	3329.7	3357.7	3389.7
30°	3083.7	3023.7	3079.7	3231.7	3273.7	3307.7
32.5°	2955.7	2889.7	2953.7	3121.7	3181.7	3225.7
35°	2821.7	2753.8	2825.7	3007.7	3079.7	3123.7
37.5°	2677.8	2611.8	2689.8	2887.7	2973.7	3017.7
40°	2529.8	2455.8	2543.8	2745.8	2859.7	2911.7
42.5°	2377.8	2285.8	2393.8	2611.8	2735.8	2787.8
45°	2207.8	2079.8	2225.8	2469.8	2599.8	2657.8
47.5°	2037.8	1909.8	2057.8	2317.8	2457.8	2509.8
50°	1873.8	1763.8	1881.8	2151.8	2313.8	2379.8
52.5°	1723.8	1633.9	1733.8	1989.8	2165.8	2231.8
55°	1583.9	1513.9	1595.9	1829.8	2009.8	2085.8
57.5°	1451.9	1407.9	1463.9	1677.9	1865.8	1937.8
60°	1327.9	1297.9	1337.9	1527.9	1695.8	1783.8
62.5°	1205.9	1189.9	1219.9	1369.9	1537.9	1629.9
65°	1087.9	1083.9	1099.9	1231.9	1371.9	1471.9
67.5°	969.9	967.9	977.9	1085.9	1209.9	1307.9
70°	851.9	863.9	857.9	927.9	1047.9	1143.9
72.5°	731.9	749.9	739.9	783.9	899.9	975.9
75°	597.9	621.9	601.9	651.9	723.9	805.9
77.5°	460.0	486.0	462.0	506.0	583.9	641.9
80°	330.0	354.0	334.0	368.0	436.0	480.0
82.5°	208.0	226.0	210.0	244.0	312.0	344.0
85°	92.0	102.0	106.0	132.0	192.0	228.0
87.5°	4.0	2.0	4.0	26.0	68.0	100.0
90°	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°









(END OF REPORT)