

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: P520687

Luminaire Tested: **8WSLA-150-L930-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520687
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-150-L930-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

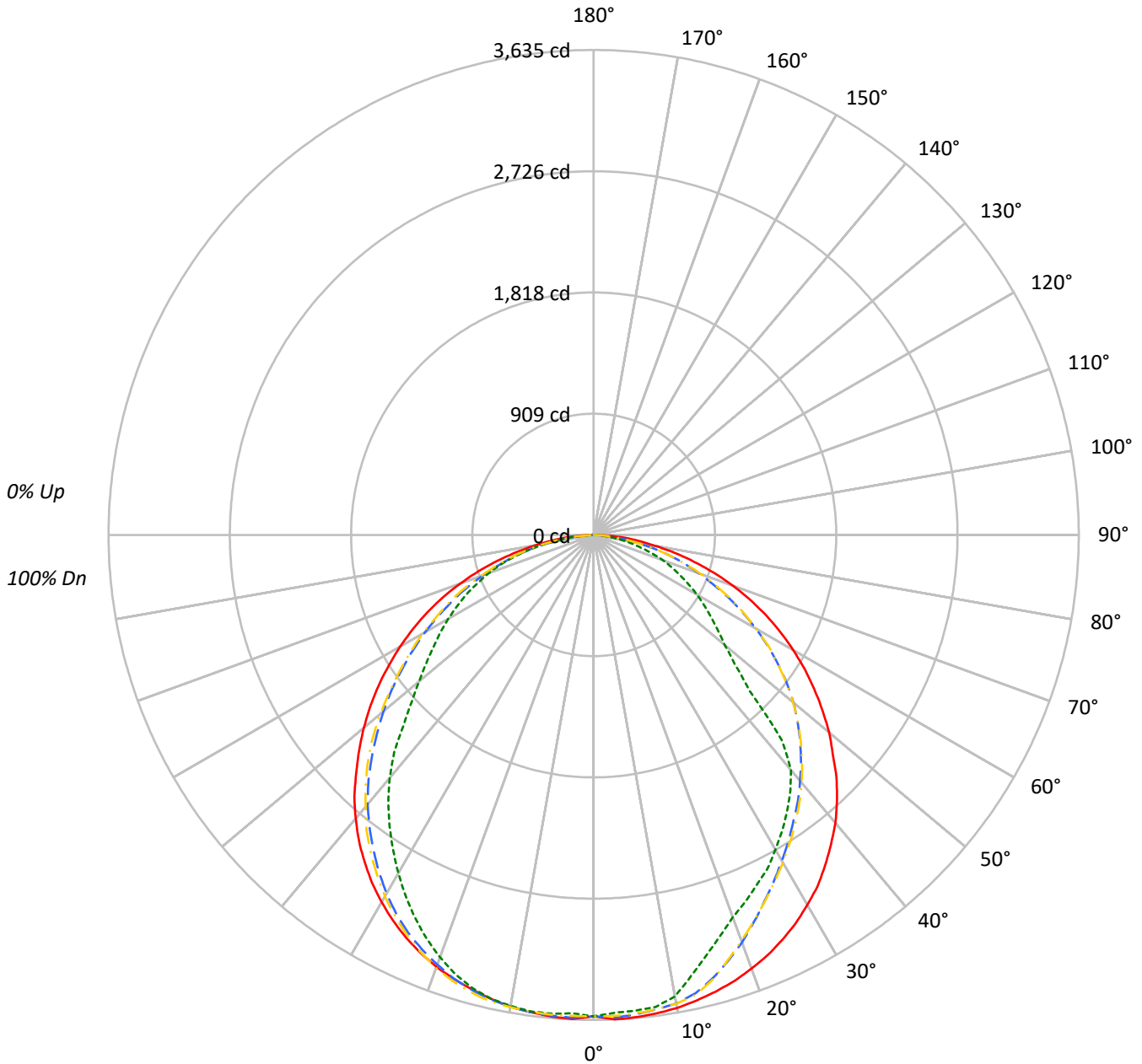
Lumens per Lamp: N/A
Luminaire Lumens: 9679.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 93.6
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	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°	9709	9709	9709	9709
5°	9804	9668	9788	9730
10°	9838	9594	9811	9795
15°	9868	9086	9825	9793
20°	9905	8730	9867	9645
25°	9937	8586	9885	9402
30°	9948	8462	9876	9094
35°	9932	8298	9831	8756
40°	9900	8078	9744	8350
45°	9790	6276	9569	7661
50°	9643	5372	9408	7147
55°	9472	5031	9226	6875
60°	9292	4802	9011	6761
65°	9071	4548	8763	6680
70°	8711	4325	8345	6579
75°	8111	3803	7728	6259
80°	7200	3180	6749	5309
85°	6814	2272	5978	3047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.8	3.5
10°-20°	977.8	10.1
20°-30°	1461.1	15.1
30°-40°	1739.2	18.0
40°-50°	1738.5	18.0
50°-60°	1495.9	15.5
60°-70°	1125.9	11.6
70°-80°	641.6	6.6
80°-90°	156.2	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°	2781.7	28.7
0°-40°	4520.9	46.7
0°-60°	7755.3	80.1
0°-90°	9679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9679.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3608	3608	3608	3608	3608	
5°	3629	3579	3624	3602	3629	345
15°	3542	3262	3527	3515	3542	1001
25°	3347	2892	3329	3167	3347	1543
35°	3024	2526	2992	2665	3024	1892
45°	2572	1649	2514	2013	2572	1981
55°	2019	1072	1967	1465	2019	1805
65°	1425	714	1376	1049	1425	1407
75°	780	366	743	602	780	826
85°	221	74	194	99	221	240
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°	3608.0	3608.0	3608.0	3608.0	3608.0	3608.0	3608.0	3608.0	3608.0	3608.0	3608.0
2.5°	3635.1	3602.2	3621.6	3615.8	3584.8	3596.4	3608.0	3596.4	3631.2	3600.3	3621.6
5°	3629.3	3594.5	3606.1	3594.5	3579.0	3582.8	3600.3	3588.7	3623.5	3590.6	3617.7
7.5°	3617.7	3575.1	3586.7	3580.9	3567.4	3569.3	3586.7	3577.0	3608.0	3577.0	3608.0
10°	3600.3	3555.7	3565.4	3540.3	3511.2	3532.5	3567.4	3557.7	3590.6	3555.7	3590.6
12.5°	3573.2	3528.7	3519.0	3435.7	3383.5	3424.1	3530.6	3530.6	3561.6	3528.7	3565.4
15°	3542.2	3493.8	3441.5	3315.7	3261.5	3302.2	3449.3	3499.6	3526.7	3493.8	3530.6
17.5°	3505.4	3449.3	3348.6	3201.5	3151.2	3191.9	3342.8	3453.2	3488.0	3453.2	3486.1
20°	3459.0	3393.2	3249.9	3081.5	3048.6	3085.4	3236.4	3397.0	3445.4	3402.8	3426.1
22.5°	3408.6	3329.3	3139.6	2988.6	2973.1	2996.4	3133.8	3327.3	3391.2	3346.7	3362.2
25°	3346.7	3253.8	3029.3	2903.4	2891.8	2905.4	3033.1	3246.0	3329.3	3282.8	3288.6
27.5°	3280.9	3180.2	2924.7	2831.8	2820.2	2826.0	2932.5	3155.1	3257.7	3211.2	3201.5
30°	3201.5	3093.1	2820.2	2735.0	2723.4	2744.7	2835.7	3062.2	3178.3	3131.8	3102.8
32.5°	3122.2	2998.3	2717.6	2651.8	2628.6	2647.9	2735.0	2965.4	3091.2	3042.8	2994.4
35°	3023.5	2897.6	2611.2	2545.4	2526.0	2547.3	2634.4	2864.7	2992.5	2944.1	2878.3
37.5°	2920.9	2791.2	2514.4	2454.4	2419.5	2444.7	2531.8	2760.2	2889.9	2839.6	2758.3
40°	2818.3	2678.9	2406.0	2344.0	2299.5	2336.3	2425.3	2649.9	2773.8	2727.3	2634.4
42.5°	2698.3	2566.6	2299.5	2212.4	2086.6	2204.7	2311.1	2539.5	2653.7	2609.2	2497.0
45°	2572.5	2446.6	2187.3	1976.3	1649.2	1995.6	2195.0	2423.4	2514.4	2471.8	2349.9
47.5°	2429.2	2322.8	2073.1	1751.7	1434.3	1771.1	2076.9	2313.1	2382.8	2336.3	2200.8
50°	2303.4	2198.9	1953.0	1562.1	1283.3	1583.3	1951.1	2189.2	2247.3	2204.7	2053.7
52.5°	2160.2	2069.2	1823.4	1393.7	1171.1	1414.9	1819.5	2061.4	2107.9	2057.6	1906.6
55°	2018.9	1937.6	1685.9	1244.6	1072.3	1264.0	1682.1	1929.8	1966.6	1908.5	1751.7
57.5°	1875.6	1802.1	1544.6	1111.1	981.4	1132.3	1554.3	1794.3	1819.5	1745.9	1602.7
60°	1726.6	1664.6	1401.4	993.0	892.3	1010.4	1397.5	1658.8	1674.3	1595.0	1457.5
62.5°	1577.5	1521.4	1258.2	884.6	801.4	896.2	1267.8	1515.6	1525.3	1449.8	1308.5
65°	1424.6	1372.4	1118.8	770.4	714.2	789.7	1128.5	1366.6	1376.2	1291.1	1163.3
67.5°	1265.9	1223.3	969.7	683.3	631.0	689.1	989.1	1215.6	1221.4	1138.1	1022.0
70°	1107.2	1070.4	838.1	588.4	549.7	590.4	851.7	1049.1	1060.7	971.7	878.8
72.5°	944.6	915.6	710.4	489.7	454.9	489.7	718.1	896.2	903.9	830.4	739.4
75°	780.1	758.8	580.7	392.9	365.8	391.0	584.6	743.3	743.3	673.6	602.0
77.5°	621.3	605.9	445.2	302.0	282.6	298.1	447.1	588.4	584.6	530.4	474.2
80°	464.6	452.9	319.4	218.7	205.2	212.9	319.4	435.5	435.5	396.8	329.1
82.5°	332.9	319.4	211.0	143.2	135.5	139.4	207.1	303.9	309.7	280.7	222.6
85°	220.7	189.7	114.2	79.4	73.6	75.5	108.4	176.1	193.6	162.6	116.1
87.5°	96.8	63.9	29.0	11.6	5.8	7.7	23.2	56.1	73.6	48.4	15.5
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°	3608.0	3608.0	3608.0	3608.0	3608.0	3608.0
2.5°	3619.6	3588.7	3600.3	3608.0	3600.3	3635.1
5°	3615.8	3602.2	3600.3	3609.9	3594.5	3629.3
7.5°	3609.9	3602.2	3600.3	3604.1	3584.8	3617.7
10°	3596.4	3584.8	3588.7	3594.5	3569.3	3600.3
12.5°	3571.2	3559.6	3561.6	3580.9	3546.1	3573.2
15°	3528.7	3515.1	3528.7	3549.9	3519.0	3542.2
17.5°	3472.5	3451.2	3474.5	3507.4	3484.1	3505.4
20°	3400.9	3368.0	3393.2	3453.2	3431.9	3459.0
22.5°	3313.8	3273.1	3298.3	3385.4	3379.6	3408.6
25°	3215.1	3166.7	3201.5	3308.0	3319.6	3346.7
27.5°	3104.7	3050.6	3097.0	3222.8	3249.9	3280.9
30°	2984.7	2926.7	2980.9	3128.0	3168.6	3201.5
32.5°	2860.9	2797.0	2858.9	3021.5	3079.6	3122.2
35°	2731.2	2665.4	2735.0	2911.2	2980.9	3023.5
37.5°	2591.8	2527.9	2603.4	2795.0	2878.3	2920.9
40°	2448.6	2377.0	2462.1	2657.6	2767.9	2818.3
42.5°	2301.5	2212.4	2316.9	2527.9	2647.9	2698.3
45°	2136.9	2013.1	2154.4	2390.5	2516.3	2572.5
47.5°	1972.4	1848.5	1991.8	2243.4	2378.9	2429.2
50°	1813.7	1707.2	1821.4	2082.7	2239.5	2303.4
52.5°	1668.5	1581.4	1678.2	1926.0	2096.3	2160.2
55°	1533.0	1465.3	1544.6	1771.1	1945.3	2018.9
57.5°	1405.3	1362.7	1416.9	1624.0	1805.9	1875.6
60°	1285.3	1256.2	1294.9	1478.8	1641.4	1726.6
62.5°	1167.2	1151.7	1180.7	1325.9	1488.5	1577.5
65°	1053.0	1049.1	1064.6	1192.3	1327.8	1424.6
67.5°	938.8	936.8	946.5	1051.0	1171.1	1265.9
70°	824.6	836.2	830.4	898.1	1014.3	1107.2
72.5°	708.4	725.9	716.2	758.8	871.0	944.6
75°	578.8	602.0	582.6	631.0	700.7	780.1
77.5°	445.2	470.4	447.1	489.7	565.2	621.3
80°	319.4	342.6	323.2	356.2	422.0	464.6
82.5°	201.3	218.7	203.2	236.1	302.0	332.9
85°	89.0	98.7	102.6	127.8	185.8	220.7
87.5°	3.9	1.9	3.9	25.2	65.8	96.8
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)