

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: P520690

Luminaire Tested: **8WSLA-150-L935-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520690
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-L935-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

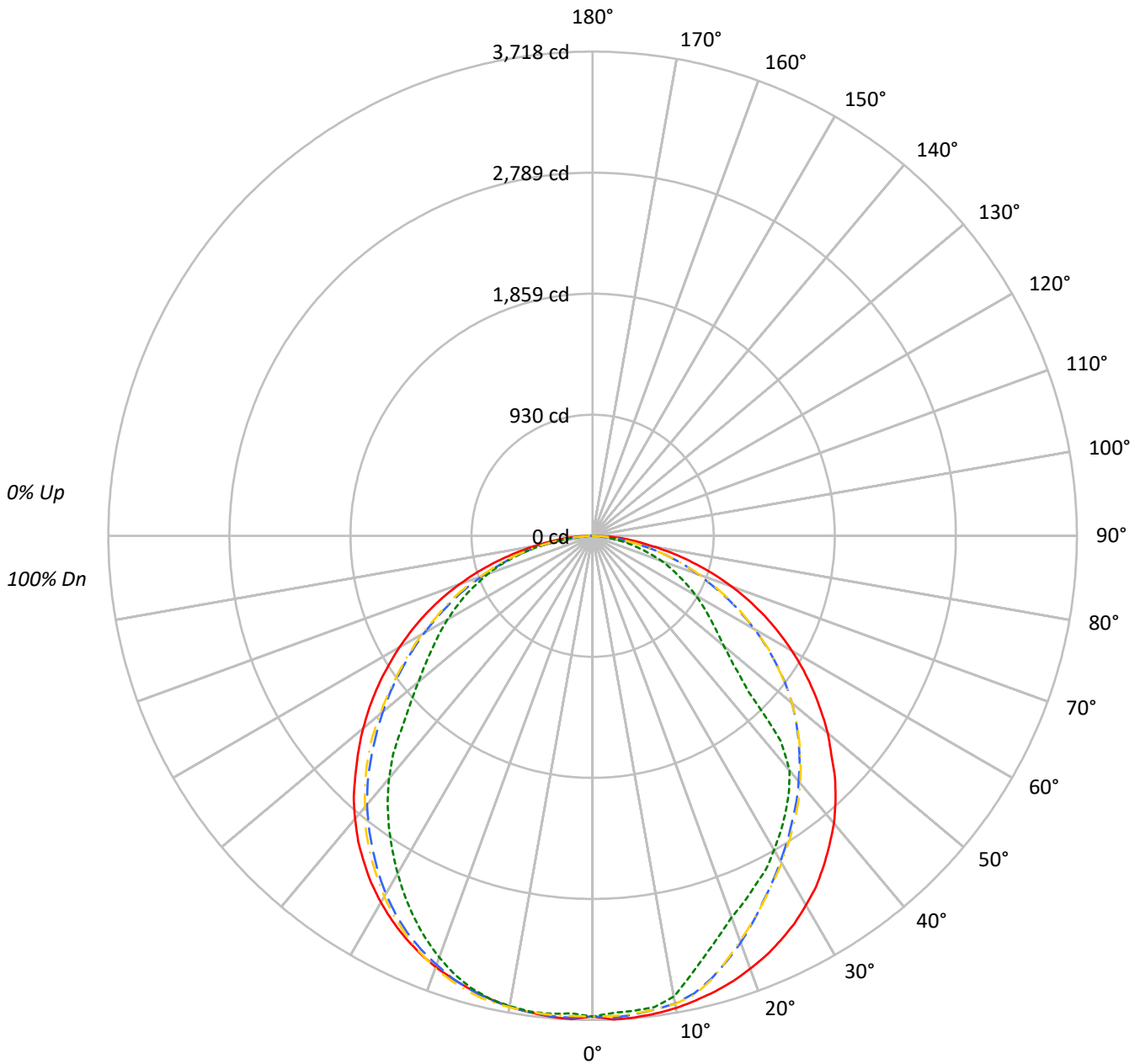
Lumens per Lamp: N/A
Luminaire Lumens: 9901.0 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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°	9932	9932	9932	9932
5°	10028	9890	10012	9954
10°	10063	9815	10036	10020
15°	10094	9295	10050	10017
20°	10133	8930	10093	9866
25°	10165	8783	10112	9618
30°	10176	8657	10102	9303
35°	10160	8488	10056	8957
40°	10127	8263	9967	8541
45°	10014	6420	9788	7837
50°	9864	5496	9624	7311
55°	9689	5146	9438	7032
60°	9506	4913	9218	6916
65°	9279	4652	8964	6833
70°	8911	4424	8537	6730
75°	8296	3891	7905	6403
80°	7364	3253	6904	5432
85°	6969	2322	6113	3118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.7	3.5
10°-20°	1000.2	10.1
20°-30°	1494.6	15.1
30°-40°	1779.1	18.0
40°-50°	1778.3	18.0
50°-60°	1530.2	15.5
60°-70°	1151.7	11.6
70°-80°	656.3	6.6
80°-90°	159.7	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°	2845.5	28.7
0°-40°	4624.6	46.7
0°-60°	7933.2	80.1
0°-90°	9901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9901.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3691	3691	3691	3691	3691	
5°	3712	3661	3707	3685	3712	353
15°	3623	3336	3608	3596	3623	1024
25°	3424	2958	3406	3239	3424	1579
35°	3093	2584	3061	2726	3093	1935
45°	2632	1687	2572	2059	2632	2027
55°	2065	1097	2012	1499	2065	1846
65°	1457	731	1408	1073	1457	1439
75°	798	374	760	616	798	845
85°	226	75	198	101	226	246
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°	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8
2.5°	3718.5	3684.8	3704.6	3698.7	3667.0	3678.9	3690.8	3678.9	3714.5	3682.8	3704.6
5°	3712.5	3676.9	3688.8	3676.9	3661.1	3665.0	3682.8	3671.0	3706.6	3672.9	3700.7
7.5°	3700.7	3657.1	3669.0	3663.0	3649.2	3651.2	3669.0	3659.1	3690.8	3659.1	3690.8
10°	3682.8	3637.3	3647.2	3621.5	3591.8	3613.5	3649.2	3639.3	3672.9	3637.3	3672.9
12.5°	3655.1	3609.6	3599.7	3514.5	3461.1	3502.7	3611.6	3611.6	3643.2	3609.6	3647.2
15°	3623.4	3573.9	3520.5	3391.8	3336.3	3377.9	3528.4	3579.9	3607.6	3573.9	3611.6
17.5°	3585.8	3528.4	3425.4	3275.0	3223.5	3265.1	3419.5	3532.4	3568.0	3532.4	3566.0
20°	3538.3	3471.0	3324.5	3152.2	3118.5	3156.2	3310.6	3474.9	3524.4	3480.9	3504.6
22.5°	3486.8	3405.6	3211.6	3057.2	3041.3	3065.1	3205.7	3403.7	3469.0	3423.5	3439.3
25°	3423.5	3328.4	3098.7	2970.0	2958.2	2972.0	3102.7	3320.5	3405.6	3358.1	3364.1
27.5°	3356.1	3253.2	2991.8	2896.8	2884.9	2890.8	2999.7	3227.4	3332.4	3284.9	3275.0
30°	3275.0	3164.1	2884.9	2797.8	2785.9	2807.7	2900.7	3132.4	3251.2	3203.7	3174.0
32.5°	3193.8	3067.1	2780.0	2712.6	2688.9	2708.7	2797.8	3033.4	3162.1	3112.6	3063.1
35°	3092.8	2964.1	2671.1	2603.7	2583.9	2605.7	2694.8	2930.4	3061.1	3011.6	2944.3
37.5°	2987.9	2855.2	2572.1	2510.7	2475.0	2500.8	2589.9	2823.5	2956.2	2904.7	2821.5
40°	2882.9	2740.4	2461.2	2397.8	2352.3	2389.9	2481.0	2710.7	2837.4	2789.9	2694.8
42.5°	2760.2	2625.5	2352.3	2263.2	2134.5	2255.2	2364.1	2597.8	2714.6	2669.1	2554.2
45°	2631.5	2502.8	2237.4	2021.6	1687.0	2041.4	2245.3	2479.0	2572.1	2528.5	2403.7
47.5°	2484.9	2376.0	2120.6	1791.9	1467.2	1811.7	2124.6	2366.1	2437.4	2389.9	2251.3
50°	2356.2	2249.3	1997.8	1597.9	1312.8	1619.7	1995.9	2239.4	2298.8	2255.2	2100.8
52.5°	2209.7	2116.6	1865.2	1425.6	1197.9	1447.4	1861.2	2108.7	2156.2	2104.8	1950.3
55°	2065.2	1982.0	1724.6	1273.2	1096.9	1293.0	1720.6	1974.1	2011.7	1952.3	1791.9
57.5°	1918.6	1843.4	1580.1	1136.5	1003.9	1158.3	1590.0	1835.5	1861.2	1786.0	1639.5
60°	1766.2	1702.8	1433.5	1015.8	912.8	1033.6	1429.6	1696.9	1712.7	1631.5	1491.0
62.5°	1613.7	1556.3	1287.0	904.9	819.7	916.8	1296.9	1550.4	1560.3	1483.0	1338.5
65°	1457.3	1403.8	1144.5	788.0	730.6	807.8	1154.4	1397.9	1407.8	1320.7	1190.0
67.5°	1294.9	1251.4	992.0	698.9	645.5	704.9	1011.8	1243.5	1249.4	1164.3	1045.5
70°	1132.6	1095.0	857.4	601.9	562.3	603.9	871.2	1073.2	1085.1	994.0	898.9
72.5°	966.3	936.6	726.7	500.9	465.3	500.9	734.6	916.8	924.7	849.4	756.4
75°	797.9	776.2	594.0	401.9	374.2	400.0	598.0	760.3	760.3	689.0	615.8
77.5°	635.6	619.7	455.4	308.9	289.1	304.9	457.4	601.9	598.0	542.5	485.1
80°	475.2	463.3	326.7	223.7	209.9	217.8	326.7	445.5	445.5	405.9	336.6
82.5°	340.6	326.7	215.8	146.5	138.6	142.6	211.9	310.9	316.8	287.1	227.7
85°	225.7	194.0	116.8	81.2	75.2	77.2	110.9	180.2	198.0	166.3	118.8
87.5°	99.0	65.3	29.7	11.9	5.9	7.9	23.8	57.4	75.2	49.5	15.8
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°	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8
2.5°	3702.6	3671.0	3682.8	3690.8	3682.8	3718.5
5°	3698.7	3684.8	3682.8	3692.7	3676.9	3712.5
7.5°	3692.7	3684.8	3682.8	3686.8	3667.0	3700.7
10°	3678.9	3667.0	3671.0	3676.9	3651.2	3682.8
12.5°	3653.1	3641.3	3643.2	3663.0	3627.4	3655.1
15°	3609.6	3595.7	3609.6	3631.4	3599.7	3623.4
17.5°	3552.2	3530.4	3554.1	3587.8	3564.0	3585.8
20°	3478.9	3445.2	3471.0	3532.4	3510.6	3538.3
22.5°	3389.8	3348.2	3374.0	3463.1	3457.1	3486.8
25°	3288.8	3239.3	3275.0	3383.9	3395.7	3423.5
27.5°	3176.0	3120.5	3168.0	3296.7	3324.5	3356.1
30°	3053.2	2993.8	3049.2	3199.7	3241.3	3275.0
32.5°	2926.5	2861.1	2924.5	3090.8	3150.2	3193.8
35°	2793.8	2726.5	2797.8	2978.0	3049.2	3092.8
37.5°	2651.3	2585.9	2663.1	2859.2	2944.3	2987.9
40°	2504.7	2431.5	2518.6	2718.6	2831.4	2882.9
42.5°	2354.2	2263.2	2370.1	2585.9	2708.7	2760.2
45°	2185.9	2059.2	2203.8	2445.3	2574.0	2631.5
47.5°	2017.6	1890.9	2037.4	2294.8	2433.5	2484.9
50°	1855.3	1746.4	1863.2	2130.5	2290.9	2356.2
52.5°	1706.8	1617.7	1716.7	1970.1	2144.4	2209.7
55°	1568.2	1498.9	1580.1	1811.7	1989.9	2065.2
57.5°	1437.5	1393.9	1449.4	1661.2	1847.4	1918.6
60°	1314.7	1285.0	1324.6	1512.7	1679.1	1766.2
62.5°	1194.0	1178.1	1207.8	1356.3	1522.6	1613.7
65°	1077.1	1073.2	1089.0	1219.7	1358.3	1457.3
67.5°	960.3	958.3	968.2	1075.2	1197.9	1294.9
70°	843.5	855.4	849.4	918.7	1037.5	1132.6
72.5°	724.7	742.5	732.6	776.2	891.0	966.3
75°	592.0	615.8	596.0	645.5	716.8	797.9
77.5°	455.4	481.1	457.4	500.9	578.2	635.6
80°	326.7	350.5	330.7	364.3	431.6	475.2
82.5°	205.9	223.7	207.9	241.6	308.9	340.6
85°	91.1	101.0	104.9	130.7	190.1	225.7
87.5°	4.0	2.0	4.0	25.7	67.3	99.0
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)