

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: P520693

Luminaire Tested: **8WSLA-150-L940-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520693
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-L940-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 4000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

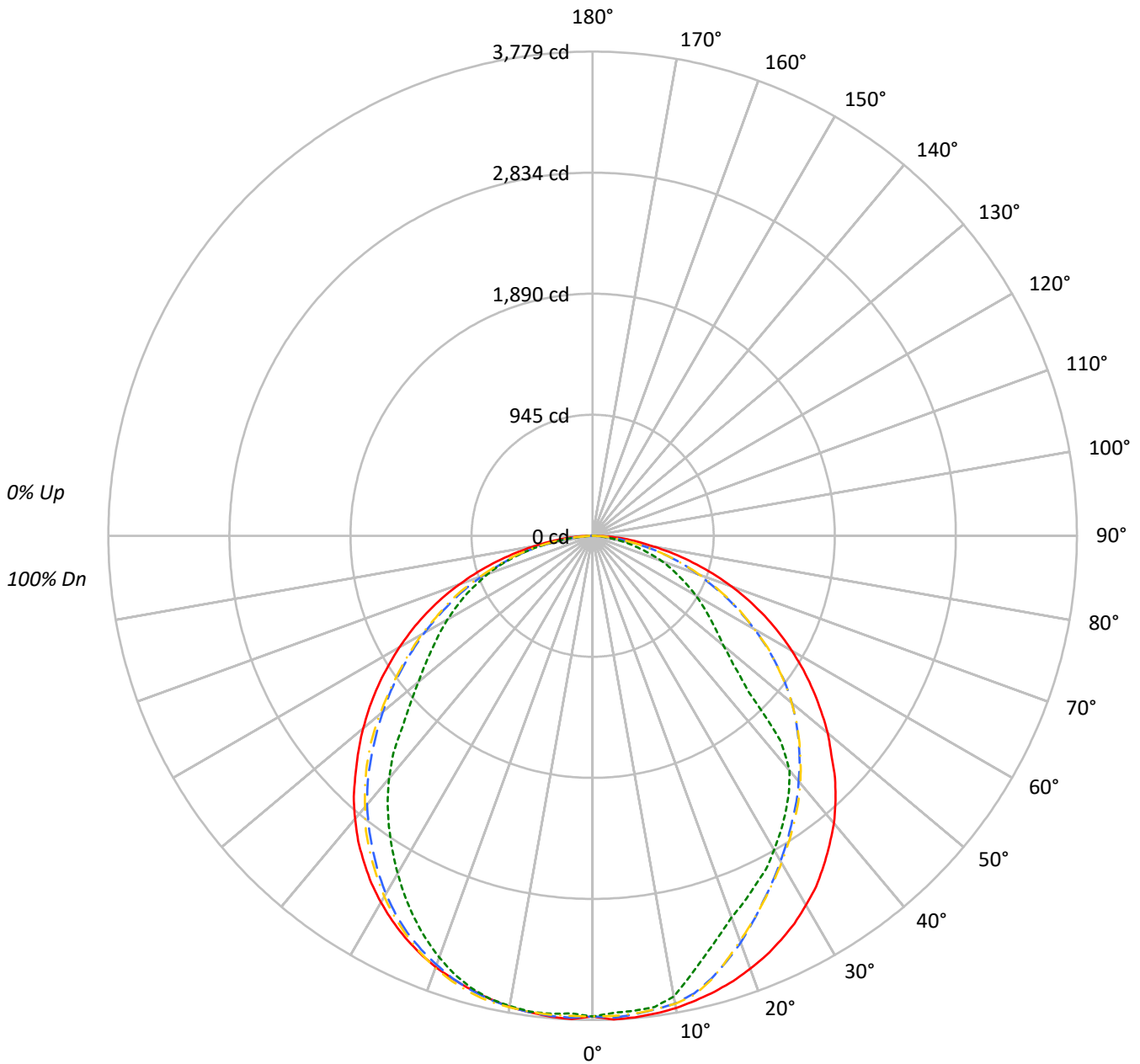
Lumens per Lamp: N/A
Luminaire Lumens: 10063.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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°	10094	10094	10094	10094
5°	10193	10051	10176	10116
10°	10228	9975	10200	10184
15°	10260	9447	10215	10181
20°	10298	9077	10258	10027
25°	10331	8927	10277	9775
30°	10343	8798	10268	9455
35°	10326	8627	10221	9103
40°	10293	8398	10130	8681
45°	10178	6525	9948	7965
50°	10026	5586	9781	7431
55°	9848	5231	9592	7147
60°	9661	4993	9368	7029
65°	9431	4728	9110	6945
70°	9057	4497	8677	6840
75°	8432	3954	8035	6508
80°	7485	3305	7017	5520
85°	7083	2362	6212	3168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.4	3.5
10°-20°	1016.6	10.1
20°-30°	1519.1	15.1
30°-40°	1808.2	18.0
40°-50°	1807.4	18.0
50°-60°	1555.3	15.5
60°-70°	1170.6	11.6
70°-80°	667.0	6.6
80°-90°	162.4	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°	2892.1	28.7
0°-40°	4700.3	46.7
0°-60°	8063.0	80.1
0°-90°	10063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10063.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3751	3751	3751	3751	3751	
5°	3773	3721	3767	3745	3773	359
15°	3683	3391	3667	3655	3683	1040
25°	3480	3007	3461	3292	3480	1604
35°	3143	2626	3111	2771	3143	1967
45°	2674	1715	2614	2093	2674	2060
55°	2099	1115	2045	1523	2099	1877
65°	1481	743	1431	1091	1481	1463
75°	811	380	773	626	811	859
85°	229	76	201	103	229	250
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°	3751.2	3751.2	3751.2	3751.2	3751.2	3751.2	3751.2	3751.2	3751.2	3751.2	3751.2
2.5°	3779.3	3745.1	3765.2	3759.2	3727.0	3739.1	3751.2	3739.1	3775.3	3743.1	3765.2
5°	3773.3	3737.1	3749.1	3737.1	3721.0	3725.0	3743.1	3731.0	3767.3	3733.0	3761.2
7.5°	3761.2	3716.9	3729.0	3723.0	3708.9	3710.9	3729.0	3719.0	3751.2	3719.0	3751.2
10°	3743.1	3696.8	3706.9	3680.7	3650.5	3672.7	3708.9	3698.8	3733.0	3696.8	3733.0
12.5°	3714.9	3668.6	3658.6	3572.0	3517.7	3560.0	3670.7	3670.7	3702.9	3668.6	3706.9
15°	3682.7	3632.4	3578.1	3447.3	3390.9	3433.2	3586.1	3638.5	3666.6	3632.4	3670.7
17.5°	3644.5	3586.1	3481.5	3328.5	3276.2	3318.5	3475.5	3590.2	3626.4	3590.2	3624.4
20°	3596.2	3527.8	3378.9	3203.8	3169.6	3207.8	3364.8	3531.8	3582.1	3537.8	3562.0
22.5°	3543.9	3461.4	3264.1	3107.2	3091.1	3115.2	3258.1	3459.4	3525.8	3479.5	3495.6
25°	3479.5	3382.9	3149.4	3018.6	3006.6	3020.6	3153.5	3374.8	3461.4	3413.1	3419.1
27.5°	3411.1	3306.4	3040.8	2944.2	2932.1	2938.1	3048.8	3280.2	3386.9	3338.6	3328.5
30°	3328.5	3215.8	2932.1	2843.6	2831.5	2853.6	2948.2	3183.7	3304.4	3256.1	3225.9
32.5°	3246.0	3117.2	2825.4	2757.0	2732.9	2753.0	2843.6	3083.0	3213.8	3163.5	3113.2
35°	3143.4	3012.6	2714.8	2646.3	2626.2	2648.3	2738.9	2978.4	3111.2	3060.9	2992.5
37.5°	3036.7	2901.9	2614.1	2551.8	2515.5	2541.7	2632.2	2869.7	3004.5	2952.2	2867.7
40°	2930.1	2785.2	2501.4	2437.0	2390.8	2429.0	2521.6	2755.0	2883.8	2835.5	2738.9
42.5°	2805.3	2668.5	2390.8	2300.2	2169.4	2292.1	2402.8	2640.3	2759.0	2712.7	2596.0
45°	2674.5	2543.7	2274.0	2054.7	1714.6	2074.8	2282.1	2519.6	2614.1	2569.9	2443.1
47.5°	2525.6	2414.9	2155.3	1821.2	1491.2	1841.4	2159.3	2404.8	2477.3	2429.0	2288.1
50°	2394.8	2286.1	2030.5	1624.0	1334.2	1646.2	2028.5	2276.0	2336.4	2292.1	2135.2
52.5°	2245.9	2151.3	1895.7	1448.9	1217.5	1471.1	1891.7	2143.2	2191.5	2139.2	1982.2
55°	2099.0	2014.4	1752.8	1294.0	1114.9	1314.1	1748.8	2006.4	2044.6	1984.2	1821.2
57.5°	1950.0	1873.6	1605.9	1155.1	1020.3	1177.3	1616.0	1865.5	1891.7	1815.2	1666.3
60°	1795.1	1730.7	1457.0	1032.4	927.7	1050.5	1453.0	1724.6	1740.7	1658.2	1515.4
62.5°	1640.1	1581.8	1308.1	919.7	833.1	931.8	1318.1	1575.7	1585.8	1507.3	1360.4
65°	1481.1	1426.8	1163.2	800.9	742.6	821.1	1173.2	1420.8	1430.8	1342.3	1209.5
67.5°	1316.1	1271.9	1008.2	710.4	656.0	716.4	1028.3	1263.8	1269.8	1183.3	1062.6
70°	1151.1	1112.9	871.4	611.8	571.5	613.8	885.5	1090.7	1102.8	1010.2	913.6
72.5°	982.1	951.9	738.6	509.1	472.9	509.1	746.6	931.8	939.8	863.3	768.7
75°	811.0	788.9	603.7	408.5	380.3	406.5	607.8	772.8	772.8	700.3	625.9
77.5°	646.0	629.9	462.9	313.9	293.8	309.9	464.9	611.8	607.8	551.4	493.0
80°	483.0	470.9	332.0	227.4	213.3	221.4	332.0	452.8	452.8	412.5	342.1
82.5°	346.1	332.0	219.4	148.9	140.9	144.9	215.3	316.0	322.0	291.8	231.4
85°	229.4	197.2	118.7	82.5	76.5	78.5	112.7	183.1	201.2	169.0	120.7
87.5°	100.6	66.4	30.2	12.1	6.0	8.0	24.1	58.4	76.5	50.3	16.1
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°	3751.2	3751.2	3751.2	3751.2	3751.2	3751.2
2.5°	3763.2	3731.0	3743.1	3751.2	3743.1	3779.3
5°	3759.2	3745.1	3743.1	3753.2	3737.1	3773.3
7.5°	3753.2	3745.1	3743.1	3747.1	3727.0	3761.2
10°	3739.1	3727.0	3731.0	3737.1	3710.9	3743.1
12.5°	3712.9	3700.8	3702.9	3723.0	3686.8	3714.9
15°	3668.6	3654.6	3668.6	3690.8	3658.6	3682.7
17.5°	3610.3	3588.1	3612.3	3646.5	3622.4	3644.5
20°	3535.8	3501.6	3527.8	3590.2	3568.0	3596.2
22.5°	3445.3	3403.0	3429.2	3519.7	3513.7	3543.9
25°	3342.6	3292.3	3328.5	3439.2	3451.3	3479.5
27.5°	3227.9	3171.6	3219.9	3350.7	3378.9	3411.1
30°	3103.2	3042.8	3099.1	3252.1	3294.3	3328.5
32.5°	2974.4	2907.9	2972.3	3141.4	3201.8	3246.0
35°	2839.5	2771.1	2843.6	3026.7	3099.1	3143.4
37.5°	2694.6	2628.2	2706.7	2905.9	2992.5	3036.7
40°	2545.7	2471.3	2559.8	2763.1	2877.8	2930.1
42.5°	2392.8	2300.2	2408.9	2628.2	2753.0	2805.3
45°	2221.7	2092.9	2239.8	2485.3	2616.1	2674.5
47.5°	2050.7	1921.9	2070.8	2332.4	2473.3	2525.6
50°	1885.6	1775.0	1893.7	2165.4	2328.4	2394.8
52.5°	1734.7	1644.1	1744.8	2002.4	2179.5	2245.9
55°	1593.8	1523.4	1605.9	1841.4	2022.5	2099.0
57.5°	1461.0	1416.7	1473.1	1688.4	1877.6	1950.0
60°	1336.2	1306.1	1346.3	1537.5	1706.5	1795.1
62.5°	1213.5	1197.4	1227.6	1378.5	1547.6	1640.1
65°	1094.8	1090.7	1106.8	1239.7	1380.5	1481.1
67.5°	976.0	974.0	984.1	1092.7	1217.5	1316.1
70°	857.3	869.4	863.3	933.8	1054.5	1151.1
72.5°	736.5	754.7	744.6	788.9	905.6	982.1
75°	601.7	625.9	605.7	656.0	728.5	811.0
77.5°	462.9	489.0	464.9	509.1	587.6	646.0
80°	332.0	356.2	336.1	370.3	438.7	483.0
82.5°	209.3	227.4	211.3	245.5	313.9	346.1
85°	92.6	102.6	106.7	132.8	193.2	229.4
87.5°	4.0	2.0	4.0	26.2	68.4	100.6
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)