

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: P520711

Luminaire Tested: **8WSLA-175-L930-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520711
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-175-L930-UNV-U
Description: 8 FOOT, 3500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

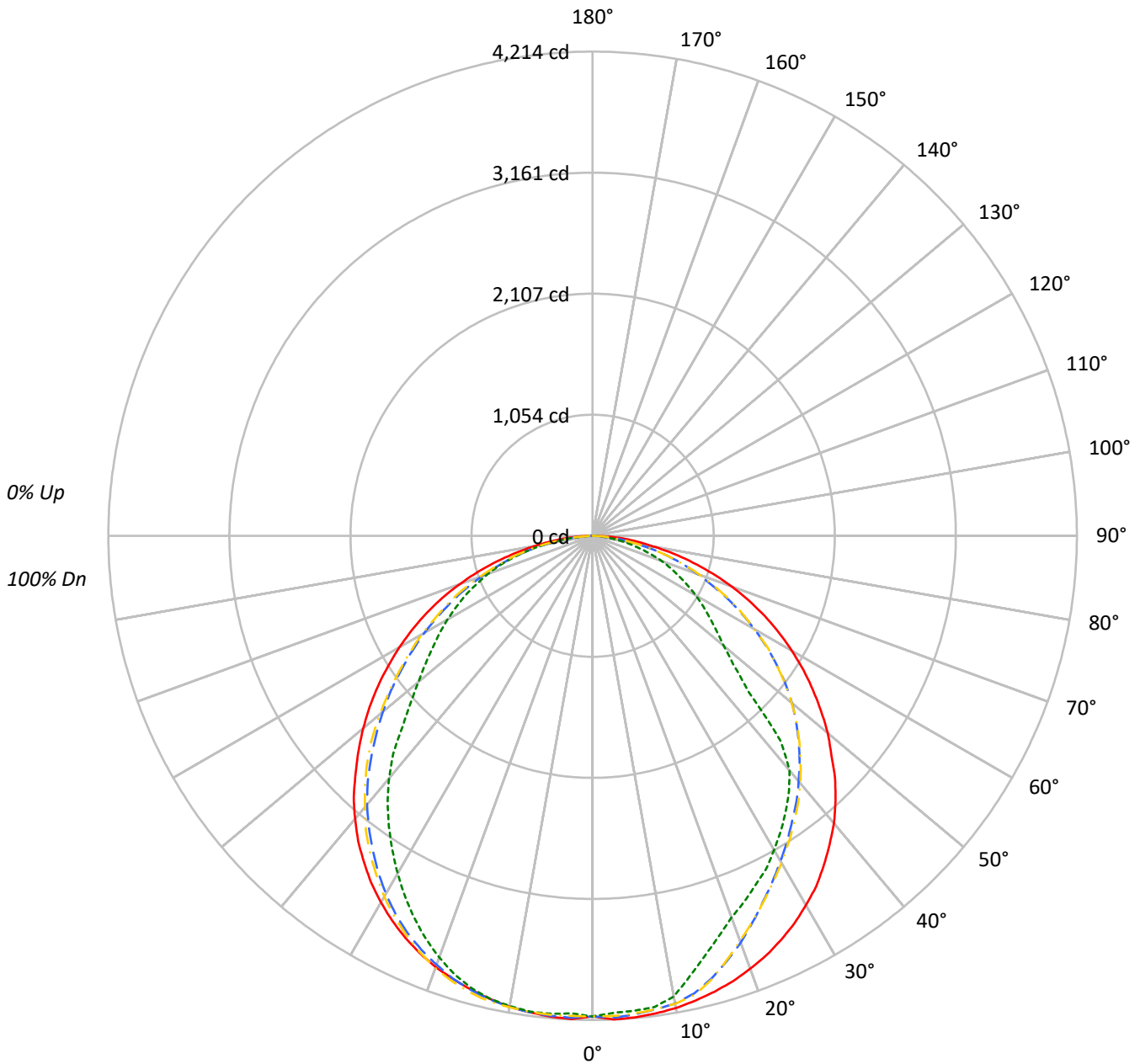
Lumens per Lamp: N/A
Luminaire Lumens: 11221.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 119
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°	11256	11256	11256	11256
5°	11366	11208	11347	11281
10°	11405	11123	11374	11356
15°	11440	10534	11390	11353
20°	11483	10121	11438	11182
25°	11520	9954	11460	10900
30°	11533	9811	11449	10543
35°	11515	9620	11397	10151
40°	11477	9365	11296	9680
45°	11349	7276	11093	8882
50°	11179	6229	10907	8286
55°	10981	5833	10696	7970
60°	10773	5568	10447	7838
65°	10516	5272	10159	7744
70°	10099	5014	9675	7627
75°	9402	4409	8959	7256
80°	8347	3687	7824	6155
85°	7898	2634	6928	3532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.4	3.5
10°-20°	1133.6	10.1
20°-30°	1693.9	15.1
30°-40°	2016.3	18.0
40°-50°	2015.4	18.0
50°-60°	1734.2	15.5
60°-70°	1305.3	11.6
70°-80°	743.8	6.6
80°-90°	181.1	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°	3224.9	28.7
0°-40°	5241.2	46.7
0°-60°	8990.9	80.1
0°-90°	11221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11221.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4183	4183	4183	4183	4183	
5°	4208	4149	4201	4176	4208	400
15°	4106	3781	4089	4075	4106	1160
25°	3880	3352	3860	3671	3880	1789
35°	3505	2928	3469	3090	3505	2193
45°	2982	1912	2915	2334	2982	2297
55°	2340	1243	2280	1699	2340	2093
65°	1652	828	1596	1216	1652	1631
75°	904	424	862	698	904	957
85°	256	85	224	114	256	278
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°	4182.8	4182.8	4182.8	4182.8	4182.8	4182.8	4182.8	4182.8	4182.8	4182.8	4182.8
2.5°	4214.2	4176.1	4198.5	4191.8	4155.9	4169.4	4182.8	4169.4	4209.7	4173.8	4198.5
5°	4207.5	4167.1	4180.6	4167.1	4149.2	4153.6	4173.8	4160.4	4200.8	4162.6	4194.0
7.5°	4194.0	4144.7	4158.1	4151.4	4135.7	4137.9	4158.1	4146.9	4182.8	4146.9	4182.8
10°	4173.8	4122.2	4133.5	4104.3	4070.6	4095.3	4135.7	4124.5	4162.6	4122.2	4162.6
12.5°	4142.4	4090.8	4079.6	3983.1	3922.5	3969.6	4093.1	4093.1	4129.0	4090.8	4133.5
15°	4106.5	4050.4	3989.8	3844.0	3781.1	3828.3	3998.8	4057.2	4088.6	4050.4	4093.1
17.5°	4063.9	3998.8	3882.1	3711.6	3653.2	3700.4	3875.4	4003.3	4043.7	4003.3	4041.4
20°	4010.0	3933.7	3767.7	3572.4	3534.3	3576.9	3752.0	3938.2	3994.3	3945.0	3971.9
22.5°	3951.7	3859.7	3639.8	3464.7	3446.8	3473.7	3633.0	3857.4	3931.5	3879.9	3897.8
25°	3879.9	3772.2	3511.9	3366.0	3352.5	3368.2	3516.3	3763.2	3859.7	3805.8	3812.6
27.5°	3803.6	3686.9	3390.7	3283.0	3269.5	3276.2	3399.7	3657.7	3776.7	3722.8	3711.6
30°	3711.6	3585.9	3269.5	3170.8	3157.3	3182.0	3287.5	3550.0	3684.6	3630.8	3597.1
32.5°	3619.6	3476.0	3150.6	3074.3	3047.4	3069.8	3170.8	3437.8	3583.7	3527.6	3471.5
35°	3505.1	3359.3	3027.2	2950.9	2928.4	2953.1	3054.1	3321.1	3469.2	3413.1	3336.8
37.5°	3386.2	3235.8	2915.0	2845.4	2805.0	2834.2	2935.2	3199.9	3350.3	3291.9	3197.7
40°	3267.3	3105.7	2789.3	2717.5	2665.9	2708.5	2811.7	3072.0	3215.7	3161.8	3054.1
42.5°	3128.1	2975.5	2665.9	2564.9	2419.0	2555.9	2679.3	2944.1	3076.5	3024.9	2894.8
45°	2982.3	2836.4	2535.7	2291.1	1911.9	2313.6	2544.7	2809.5	2915.0	2865.6	2724.2
47.5°	2816.2	2692.8	2403.3	2030.8	1662.8	2053.3	2407.8	2681.6	2762.4	2708.5	2551.4
50°	2670.4	2549.2	2264.2	1810.9	1487.8	1835.6	2262.0	2538.0	2605.3	2555.9	2380.9
52.5°	2504.3	2398.8	2113.8	1615.7	1357.6	1640.4	2109.4	2389.9	2443.7	2385.4	2210.3
55°	2340.5	2246.2	1954.5	1442.9	1243.2	1465.3	1950.0	2237.3	2279.9	2212.6	2030.8
57.5°	2174.4	2089.2	1790.7	1288.1	1137.7	1312.7	1801.9	2080.2	2109.4	2024.1	1858.0
60°	2001.6	1929.8	1624.7	1151.2	1034.5	1171.4	1620.2	1923.1	1941.1	1849.1	1689.7
62.5°	1828.9	1763.8	1458.6	1025.5	929.0	1039.0	1469.8	1757.1	1768.3	1680.8	1516.9
65°	1651.6	1591.0	1297.0	893.1	828.0	915.6	1308.3	1584.3	1595.5	1496.7	1348.6
67.5°	1467.6	1418.2	1124.2	792.1	731.5	798.9	1146.7	1409.2	1416.0	1319.5	1184.8
70°	1283.6	1240.9	971.7	682.2	637.3	684.4	987.4	1216.2	1229.7	1126.5	1018.8
72.5°	1095.1	1061.4	823.5	567.7	527.3	567.7	832.5	1039.0	1047.9	962.7	857.2
75°	904.3	879.6	673.2	455.5	424.1	453.3	677.7	861.7	861.7	780.9	697.9
77.5°	720.3	702.4	516.1	350.1	327.6	345.6	518.4	682.2	677.7	614.9	549.8
80°	538.6	525.1	370.3	253.6	237.9	246.8	370.3	504.9	504.9	460.0	381.5
82.5°	386.0	370.3	244.6	166.1	157.1	161.6	240.1	352.3	359.0	325.4	258.1
85°	255.8	219.9	132.4	92.0	85.3	87.5	125.7	204.2	224.4	188.5	134.6
87.5°	112.2	74.1	33.7	13.5	6.7	9.0	26.9	65.1	85.3	56.1	18.0
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°	4182.8	4182.8	4182.8	4182.8	4182.8	4182.8
2.5°	4196.3	4160.4	4173.8	4182.8	4173.8	4214.2
5°	4191.8	4176.1	4173.8	4185.1	4167.1	4207.5
7.5°	4185.1	4176.1	4173.8	4178.3	4155.9	4194.0
10°	4169.4	4155.9	4160.4	4167.1	4137.9	4173.8
12.5°	4140.2	4126.7	4129.0	4151.4	4111.0	4142.4
15°	4090.8	4075.1	4090.8	4115.5	4079.6	4106.5
17.5°	4025.7	4001.1	4028.0	4066.1	4039.2	4063.9
20°	3942.7	3904.6	3933.7	4003.3	3978.6	4010.0
22.5°	3841.7	3794.6	3823.8	3924.8	3918.0	3951.7
25°	3727.3	3671.2	3711.6	3835.0	3848.5	3879.9
27.5°	3599.4	3536.5	3590.4	3736.3	3767.7	3803.6
30°	3460.2	3392.9	3455.8	3626.3	3673.4	3711.6
32.5°	3316.6	3242.6	3314.4	3502.9	3570.2	3619.6
35°	3166.3	3090.0	3170.8	3375.0	3455.8	3505.1
37.5°	3004.7	2930.7	3018.2	3240.3	3336.8	3386.2
40°	2838.7	2755.6	2854.4	3081.0	3208.9	3267.3
42.5°	2668.1	2564.9	2686.1	2930.7	3069.8	3128.1
45°	2477.4	2333.8	2497.6	2771.3	2917.2	2982.3
47.5°	2286.6	2143.0	2309.1	2600.8	2757.9	2816.2
50°	2102.6	1979.2	2111.6	2414.5	2596.3	2670.4
52.5°	1934.3	1833.3	1945.5	2232.8	2430.3	2504.3
55°	1777.2	1698.7	1790.7	2053.3	2255.2	2340.5
57.5°	1629.1	1579.8	1642.6	1882.7	2093.7	2174.4
60°	1490.0	1456.4	1501.2	1714.4	1902.9	2001.6
62.5°	1353.1	1335.2	1368.8	1537.1	1725.6	1828.9
65°	1220.7	1216.2	1234.2	1382.3	1539.4	1651.6
67.5°	1088.3	1086.1	1097.3	1218.5	1357.6	1467.6
70°	955.9	969.4	962.7	1041.2	1175.9	1283.6
72.5°	821.3	841.5	830.3	879.6	1009.8	1095.1
75°	671.0	697.9	675.4	731.5	812.3	904.3
77.5°	516.1	545.3	518.4	567.7	655.2	720.3
80°	370.3	397.2	374.7	412.9	489.2	538.6
82.5°	233.4	253.6	235.6	273.8	350.1	386.0
85°	103.2	114.4	118.9	148.1	215.4	255.8
87.5°	4.5	2.2	4.5	29.2	76.3	112.2
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)