

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: P520738

Luminaire Tested: **8WSLA-200-L935-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520738
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-200-L935-UNV-U
Description: 8 FOOT, 4000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

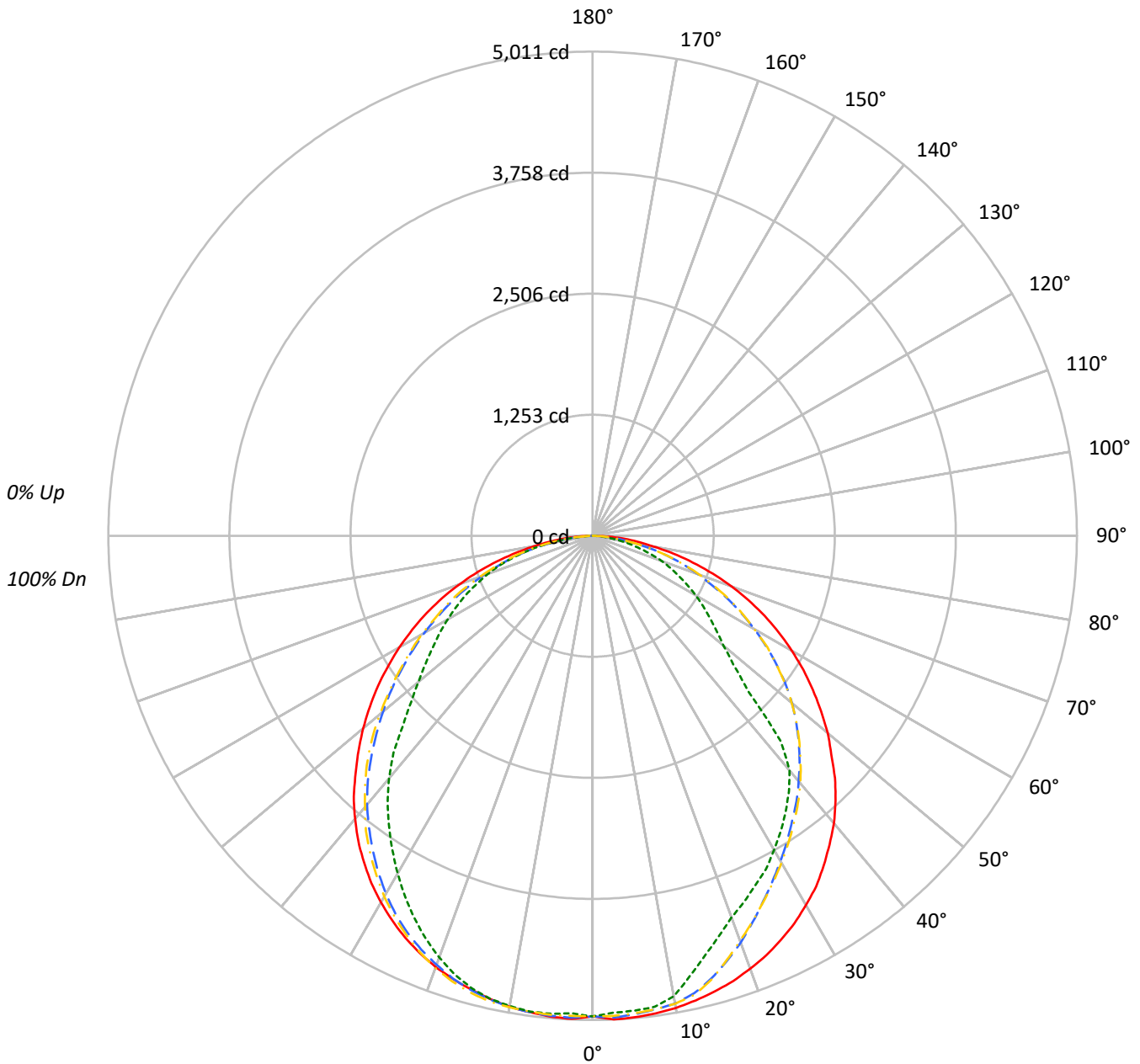
Lumens per Lamp: N/A
Luminaire Lumens: 13342.0 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 152.3
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°	13384	13384	13384	13384
5°	13514	13326	13492	13413
10°	13561	13225	13524	13502
15°	13603	12525	13543	13499
20°	13654	12034	13600	13295
25°	13698	11836	13626	12961
30°	13713	11665	13613	12536
35°	13691	11439	13551	12070
40°	13647	11135	13431	11510
45°	13495	8651	13190	10560
50°	13292	7406	12968	9852
55°	13056	6935	12718	9476
60°	12809	6620	12422	9319
65°	12504	6269	12080	9208
70°	12008	5962	11504	9069
75°	11180	5243	10653	8628
80°	9924	4382	9303	7319
85°	9392	3131	8238	4202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.6	3.5
10°-20°	1347.8	10.1
20°-30°	2014.0	15.1
30°-40°	2397.4	18.0
40°-50°	2396.4	18.0
50°-60°	2062.0	15.5
60°-70°	1552.0	11.6
70°-80°	884.4	6.6
80°-90°	215.3	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°	3834.5	28.7
0°-40°	6231.9	46.7
0°-60°	10690.3	80.1
0°-90°	13342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13342.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4974	4974	4974	4974	4974	
5°	5003	4933	4995	4966	5003	476
15°	4883	4496	4861	4845	4883	1380
25°	4613	3986	4589	4365	4613	2127
35°	4168	3482	4125	3674	4168	2608
45°	3546	2273	3466	2775	3546	2731
55°	2783	1478	2711	2020	2783	2488
65°	1964	985	1897	1446	1964	1939
75°	1075	504	1025	830	1075	1138
85°	304	101	267	136	304	331
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°	4973.5	4973.5	4973.5	4973.5	4973.5	4973.5	4973.5	4973.5	4973.5	4973.5	4973.5
2.5°	5010.8	4965.5	4992.1	4984.1	4941.4	4957.4	4973.5	4957.4	5005.5	4962.8	4992.1
5°	5002.8	4954.8	4970.8	4954.8	4933.4	4938.8	4962.8	4946.8	4994.8	4949.4	4986.8
7.5°	4986.8	4928.1	4944.1	4936.1	4917.4	4920.1	4944.1	4930.8	4973.5	4930.8	4973.5
10°	4962.8	4901.4	4914.8	4880.1	4840.0	4869.4	4917.4	4904.1	4949.4	4901.4	4949.4
12.5°	4925.4	4864.1	4850.7	4736.0	4663.9	4720.0	4866.7	4866.7	4909.4	4864.1	4914.8
15°	4882.7	4816.0	4744.0	4570.6	4495.9	4551.9	4754.7	4824.0	4861.4	4816.0	4866.7
17.5°	4832.0	4754.7	4615.9	4413.1	4343.8	4399.8	4607.9	4760.0	4808.0	4760.0	4805.4
20°	4768.0	4677.3	4479.8	4247.7	4202.4	4253.1	4461.2	4682.6	4749.3	4690.6	4722.6
22.5°	4698.6	4589.2	4327.8	4119.6	4098.3	4130.3	4319.8	4586.6	4674.6	4613.3	4634.6
25°	4613.3	4485.2	4175.7	4002.2	3986.2	4004.9	4181.0	4474.5	4589.2	4525.2	4533.2
27.5°	4522.5	4383.8	4031.6	3903.5	3887.5	3895.5	4042.3	4349.1	4490.5	4426.5	4413.1
30°	4413.1	4263.7	3887.5	3770.1	3754.1	3783.5	3908.9	4221.0	4381.1	4317.1	4277.1
32.5°	4303.7	4133.0	3746.1	3655.4	3623.4	3650.0	3770.1	4087.6	4261.1	4194.4	4127.6
35°	4167.7	3994.2	3599.4	3508.6	3482.0	3511.3	3631.4	3948.9	4125.0	4058.3	3967.6
37.5°	4026.3	3847.5	3465.9	3383.2	3335.2	3369.9	3490.0	3804.8	3983.6	3914.2	3802.1
40°	3884.8	3692.7	3316.5	3231.1	3169.8	3220.5	3343.2	3652.7	3823.5	3759.4	3631.4
42.5°	3719.4	3538.0	3169.8	3049.7	2876.3	3039.0	3185.8	3500.6	3658.1	3596.7	3441.9
45°	3546.0	3372.6	3015.0	2724.2	2273.3	2750.9	3025.7	3340.5	3465.9	3407.2	3239.2
47.5°	3348.5	3201.8	2857.6	2414.7	1977.1	2441.4	2862.9	3188.5	3284.5	3220.5	3033.7
50°	3175.1	3031.0	2692.2	2153.2	1769.0	2182.6	2689.5	3017.7	3097.7	3039.0	2830.9
52.5°	2977.7	2852.3	2513.4	1921.1	1614.2	1950.4	2508.1	2841.6	2905.6	2836.3	2628.1
55°	2782.9	2670.8	2324.0	1715.6	1478.2	1742.3	2318.6	2660.2	2710.9	2630.8	2414.7
57.5°	2585.5	2484.1	2129.2	1531.5	1352.8	1560.9	2142.5	2473.4	2508.1	2406.7	2209.2
60°	2380.0	2294.6	1931.8	1368.8	1230.0	1392.8	1926.4	2286.6	2308.0	2198.6	2009.1
62.5°	2174.6	2097.2	1734.3	1219.4	1104.6	1235.4	1747.6	2089.2	2102.5	1998.5	1803.7
65°	1963.8	1891.7	1542.2	1061.9	984.6	1088.6	1555.5	1883.7	1897.1	1779.7	1603.6
67.5°	1745.0	1686.3	1336.7	941.9	869.8	949.9	1363.4	1675.6	1683.6	1568.9	1408.8
70°	1526.2	1475.5	1155.3	811.1	757.8	813.8	1174.0	1446.1	1462.2	1339.4	1211.3
72.5°	1302.1	1262.0	979.2	675.0	627.0	675.0	989.9	1235.4	1246.0	1144.6	1019.2
75°	1075.3	1045.9	800.4	541.6	504.3	539.0	805.8	1024.6	1024.6	928.5	829.8
77.5°	856.5	835.1	613.7	416.2	389.6	410.9	616.3	811.1	805.8	731.1	653.7
80°	640.4	624.4	440.2	301.5	282.8	293.5	440.2	600.3	600.3	547.0	453.6
82.5°	458.9	440.2	290.8	197.4	186.8	192.1	285.5	418.9	426.9	386.9	306.8
85°	304.2	261.5	157.4	109.4	101.4	104.1	149.4	242.8	266.8	224.1	160.1
87.5°	133.4	88.0	40.0	16.0	8.0	10.7	32.0	77.4	101.4	66.7	21.3
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°	4973.5	4973.5	4973.5	4973.5	4973.5	4973.5
2.5°	4989.5	4946.8	4962.8	4973.5	4962.8	5010.8
5°	4984.1	4965.5	4962.8	4976.1	4954.8	5002.8
7.5°	4976.1	4965.5	4962.8	4968.1	4941.4	4986.8
10°	4957.4	4941.4	4946.8	4954.8	4920.1	4962.8
12.5°	4922.8	4906.8	4909.4	4936.1	4888.1	4925.4
15°	4864.1	4845.4	4864.1	4893.4	4850.7	4882.7
17.5°	4786.7	4757.3	4789.4	4834.7	4802.7	4832.0
20°	4688.0	4642.6	4677.3	4760.0	4730.7	4768.0
22.5°	4567.9	4511.9	4546.6	4666.6	4658.6	4698.6
25°	4431.8	4365.1	4413.1	4559.9	4575.9	4613.3
27.5°	4279.7	4205.0	4269.1	4442.5	4479.8	4522.5
30°	4114.3	4034.3	4109.0	4311.8	4367.8	4413.1
32.5°	3943.5	3855.5	3940.9	4165.0	4245.0	4303.7
35°	3764.8	3674.1	3770.1	4012.9	4109.0	4167.7
37.5°	3572.7	3484.6	3588.7	3852.8	3967.6	4026.3
40°	3375.2	3276.5	3393.9	3663.4	3815.5	3884.8
42.5°	3172.4	3049.7	3193.8	3484.6	3650.0	3719.4
45°	2945.7	2774.9	2969.7	3295.2	3468.6	3546.0
47.5°	2718.9	2548.1	2745.5	3092.4	3279.2	3348.5
50°	2500.1	2353.3	2510.7	2870.9	3087.1	3175.1
52.5°	2300.0	2179.9	2313.3	2654.8	2889.6	2977.7
55°	2113.2	2019.8	2129.2	2441.4	2681.5	2782.9
57.5°	1937.1	1878.4	1953.1	2238.6	2489.4	2585.5
60°	1771.7	1731.6	1785.0	2038.5	2262.6	2380.0
62.5°	1608.9	1587.6	1627.6	1827.7	2051.8	2174.6
65°	1451.5	1446.1	1467.5	1643.6	1830.4	1963.8
67.5°	1294.1	1291.4	1304.7	1448.8	1614.2	1745.0
70°	1136.6	1152.6	1144.6	1238.0	1398.1	1526.2
72.5°	976.5	1000.6	987.2	1045.9	1200.7	1302.1
75°	797.8	829.8	803.1	869.8	965.9	1075.3
77.5°	613.7	648.4	616.3	675.0	779.1	856.5
80°	440.2	472.3	445.6	490.9	581.7	640.4
82.5°	277.5	301.5	280.2	325.5	416.2	458.9
85°	122.7	136.1	141.4	176.1	256.1	304.2
87.5°	5.3	2.7	5.3	34.7	90.7	133.4
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)