

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: P520735

Luminaire Tested: **8WSLA-200-L930-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520735
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-L930-UNV-U
Description: 8 FOOT, 4000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

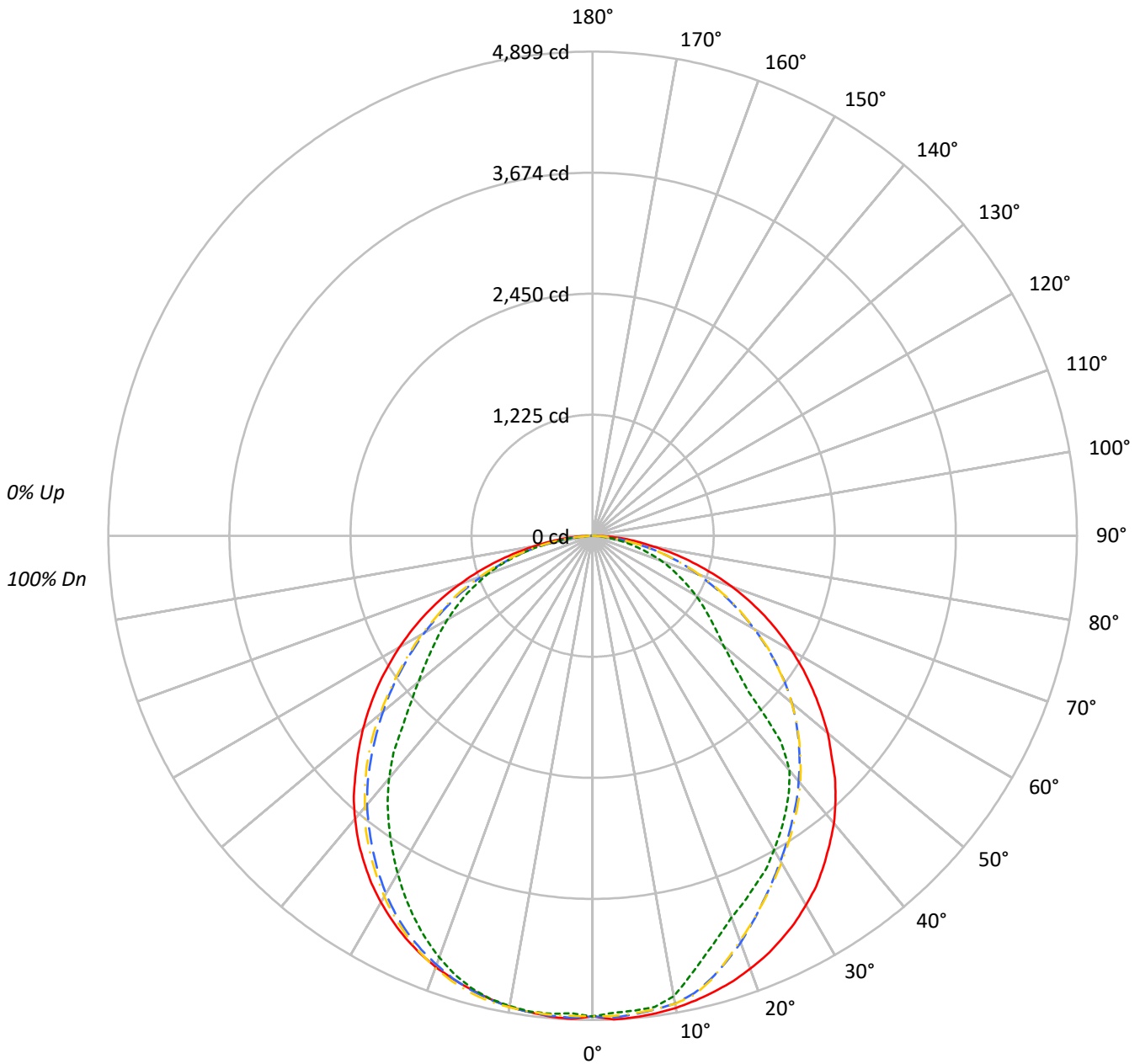
Lumens per Lamp: N/A
Luminaire Lumens: 13044.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P520735

CATALOG NUMBER: 8WSLA-200-L930-UNV-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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				100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84				84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70				70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60				60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39				39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13085	13085	13085	13085
5°	13212	13029	13191	13113
10°	13258	12930	13222	13201
15°	13299	12245	13241	13197
20°	13349	11765	13297	12998
25°	13392	11571	13322	12671
30°	13407	11405	13309	12256
35°	13385	11183	13248	11800
40°	13342	10886	13131	11253
45°	13193	8458	12895	10324
50°	12995	7240	12679	9632
55°	12764	6780	12434	9264
60°	12523	6472	12144	9112
65°	12225	6129	11810	9002
70°	11740	5829	11247	8866
75°	10931	5126	10415	8435
80°	9703	4285	9095	7155
85°	9182	3060	8055	4106



TEST NUMBER: P520735

CATALOG NUMBER: 8WSLA-200-L930-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.0	3.5
10°-20°	1317.7	10.1
20°-30°	1969.1	15.1
30°-40°	2343.9	18.0
40°-50°	2342.9	18.0
50°-60°	2016.0	15.5
60°-70°	1517.3	11.6
70°-80°	864.7	6.6
80°-90°	210.5	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°	3748.8	28.7
0°-40°	6092.7	46.7
0°-60°	10451.5	80.1
0°-90°	13044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13044.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4862	4862	4862	4862	4862	
5°	4891	4823	4883	4854	4891	466
15°	4774	4395	4753	4737	4774	1349
25°	4510	3897	4487	4268	4510	2080
35°	4075	3404	4033	3592	4075	2550
45°	3467	2222	3388	2713	3467	2670
55°	2721	1445	2650	1975	2721	2433
65°	1920	963	1855	1414	1920	1896
75°	1051	493	1002	811	1051	1113
85°	297	99	261	133	297	324
90°	0	0	0	0	0	



TEST NUMBER: P520735

CATALOG NUMBER: 8WSLA-200-L930-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	4862.4	4862.4	4862.4	4862.4	4862.4	4862.4	4862.4	4862.4	4862.4	4862.4	4862.4
2.5°	4898.9	4854.5	4880.6	4872.8	4831.1	4846.7	4862.4	4846.7	4893.7	4851.9	4880.6
5°	4891.1	4844.1	4859.8	4844.1	4823.2	4828.5	4851.9	4836.3	4883.2	4838.9	4875.4
7.5°	4875.4	4818.0	4833.7	4825.9	4807.6	4810.2	4833.7	4820.6	4862.4	4820.6	4862.4
10°	4851.9	4791.9	4805.0	4771.1	4731.9	4760.6	4807.6	4794.5	4838.9	4791.9	4838.9
12.5°	4815.4	4755.4	4742.4	4630.2	4559.8	4614.6	4758.0	4758.0	4799.8	4755.4	4805.0
15°	4773.7	4708.5	4638.0	4468.5	4395.4	4450.2	4648.5	4716.3	4752.8	4708.5	4758.0
17.5°	4724.1	4648.5	4512.8	4314.6	4246.7	4301.5	4505.0	4653.7	4700.6	4653.7	4698.0
20°	4661.5	4572.8	4379.8	4152.8	4108.5	4158.1	4361.5	4578.0	4643.3	4585.9	4617.2
22.5°	4593.7	4486.7	4231.1	4027.6	4006.8	4038.1	4223.3	4484.1	4570.2	4510.2	4531.1
25°	4510.2	4385.0	4082.4	3912.9	3897.2	3915.5	4087.6	4374.6	4486.7	4424.1	4432.0
27.5°	4421.5	4285.9	3941.5	3816.3	3800.7	3808.5	3952.0	4252.0	4390.2	4327.6	4314.6
30°	4314.6	4168.5	3800.7	3685.9	3670.3	3699.0	3821.6	4126.8	4283.3	4220.7	4181.5
32.5°	4207.6	4040.7	3662.4	3573.7	3542.4	3568.5	3685.9	3996.3	4165.9	4100.7	4035.5
35°	4074.6	3905.0	3519.0	3430.3	3404.2	3432.9	3550.3	3860.7	4032.8	3967.6	3878.9
37.5°	3936.3	3761.6	3388.5	3307.7	3260.7	3294.6	3412.0	3719.8	3894.6	3826.8	3717.2
40°	3798.1	3610.3	3242.5	3159.0	3099.0	3148.5	3268.5	3571.1	3738.1	3675.5	3550.3
42.5°	3636.3	3459.0	3099.0	2981.6	2812.0	2971.2	3114.6	3422.4	3576.3	3516.4	3365.1
45°	3466.8	3297.2	2947.7	2663.3	2222.5	2689.4	2958.1	3265.9	3388.5	3331.1	3166.8
47.5°	3273.8	3130.3	2793.8	2360.8	1932.9	2386.8	2799.0	3117.2	3211.1	3148.5	2965.9
50°	3104.2	2963.3	2632.0	2105.1	1729.5	2133.8	2629.4	2950.3	3028.5	2971.2	2767.7
52.5°	2911.2	2788.6	2457.3	1878.2	1578.2	1906.9	2452.1	2778.1	2840.7	2772.9	2569.4
55°	2720.7	2611.2	2272.1	1677.3	1445.1	1703.4	2266.8	2600.7	2650.3	2572.0	2360.8
57.5°	2527.7	2428.6	2081.6	1497.3	1322.5	1526.0	2094.7	2418.1	2452.1	2352.9	2159.9
60°	2326.8	2243.4	1888.6	1338.2	1202.6	1361.7	1883.4	2235.5	2256.4	2149.5	1964.3
62.5°	2126.0	2050.3	1695.6	1192.1	1079.9	1207.8	1708.6	2042.5	2055.6	1953.8	1763.4
65°	1919.9	1849.5	1507.8	1038.2	962.6	1064.3	1520.8	1841.6	1854.7	1739.9	1567.7
67.5°	1706.0	1648.6	1306.9	920.8	850.4	928.7	1333.0	1638.2	1646.0	1533.8	1377.3
70°	1492.1	1442.5	1129.5	793.0	740.8	795.6	1147.8	1413.8	1429.5	1309.5	1184.3
72.5°	1273.0	1233.9	957.3	660.0	613.0	660.0	967.8	1207.8	1218.2	1119.1	996.5
75°	1051.3	1022.6	782.6	529.5	493.0	526.9	787.8	1001.7	1001.7	907.8	811.3
77.5°	837.4	816.5	600.0	406.9	380.9	401.7	602.6	793.0	787.8	714.7	639.1
80°	626.1	610.4	430.4	294.8	276.5	286.9	430.4	586.9	586.9	534.8	443.5
82.5°	448.7	430.4	284.3	193.0	182.6	187.8	279.1	409.5	417.4	378.2	300.0
85°	297.4	255.6	153.9	107.0	99.1	101.7	146.1	237.4	260.9	219.1	156.5
87.5°	130.4	86.1	39.1	15.7	7.8	10.4	31.3	75.6	99.1	65.2	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P520735

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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	4862.4	4862.4	4862.4	4862.4	4862.4	4862.4
2.5°	4878.0	4836.3	4851.9	4862.4	4851.9	4898.9
5°	4872.8	4854.5	4851.9	4865.0	4844.1	4891.1
7.5°	4865.0	4854.5	4851.9	4857.2	4831.1	4875.4
10°	4846.7	4831.1	4836.3	4844.1	4810.2	4851.9
12.5°	4812.8	4797.2	4799.8	4825.9	4778.9	4815.4
15°	4755.4	4737.2	4755.4	4784.1	4742.4	4773.7
17.5°	4679.8	4651.1	4682.4	4726.7	4695.4	4724.1
20°	4583.3	4538.9	4572.8	4653.7	4625.0	4661.5
22.5°	4465.9	4411.1	4445.0	4562.4	4554.6	4593.7
25°	4332.8	4267.6	4314.6	4458.0	4473.7	4510.2
27.5°	4184.1	4111.1	4173.7	4343.3	4379.8	4421.5
30°	4022.4	3944.2	4017.2	4215.4	4270.2	4314.6
32.5°	3855.5	3769.4	3852.9	4072.0	4150.2	4207.6
35°	3680.7	3592.0	3685.9	3923.3	4017.2	4074.6
37.5°	3492.9	3406.8	3508.5	3766.8	3878.9	3936.3
40°	3299.8	3203.3	3318.1	3581.6	3730.3	3798.1
42.5°	3101.6	2981.6	3122.5	3406.8	3568.5	3636.3
45°	2879.9	2712.9	2903.3	3221.6	3391.1	3466.8
47.5°	2658.1	2491.2	2684.2	3023.3	3205.9	3273.8
50°	2444.2	2300.8	2454.7	2806.8	3018.1	3104.2
52.5°	2248.6	2131.2	2261.6	2595.5	2825.1	2911.2
55°	2066.0	1974.7	2081.6	2386.8	2621.6	2720.7
57.5°	1893.8	1836.4	1909.5	2188.6	2433.8	2527.7
60°	1732.1	1693.0	1745.1	1992.9	2212.1	2326.8
62.5°	1573.0	1552.1	1591.2	1786.9	2006.0	2126.0
65°	1419.1	1413.8	1434.7	1606.9	1789.5	1919.9
67.5°	1265.2	1262.5	1275.6	1416.5	1578.2	1706.0
70°	1111.3	1126.9	1119.1	1210.4	1366.9	1492.1
72.5°	954.7	978.2	965.2	1022.6	1173.9	1273.0
75°	780.0	811.3	785.2	850.4	944.3	1051.3
77.5°	600.0	633.9	602.6	660.0	761.7	837.4
80°	430.4	461.7	435.6	480.0	568.7	626.1
82.5°	271.3	294.8	273.9	318.2	406.9	448.7
85°	120.0	133.0	138.3	172.2	250.4	297.4
87.5°	5.2	2.6	5.2	33.9	88.7	130.4
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)