

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: P520640

Luminaire Tested: **8WSLA-100-L930-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 8WSLA-100-L930-UPL15-UNV-U
Description: 8 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

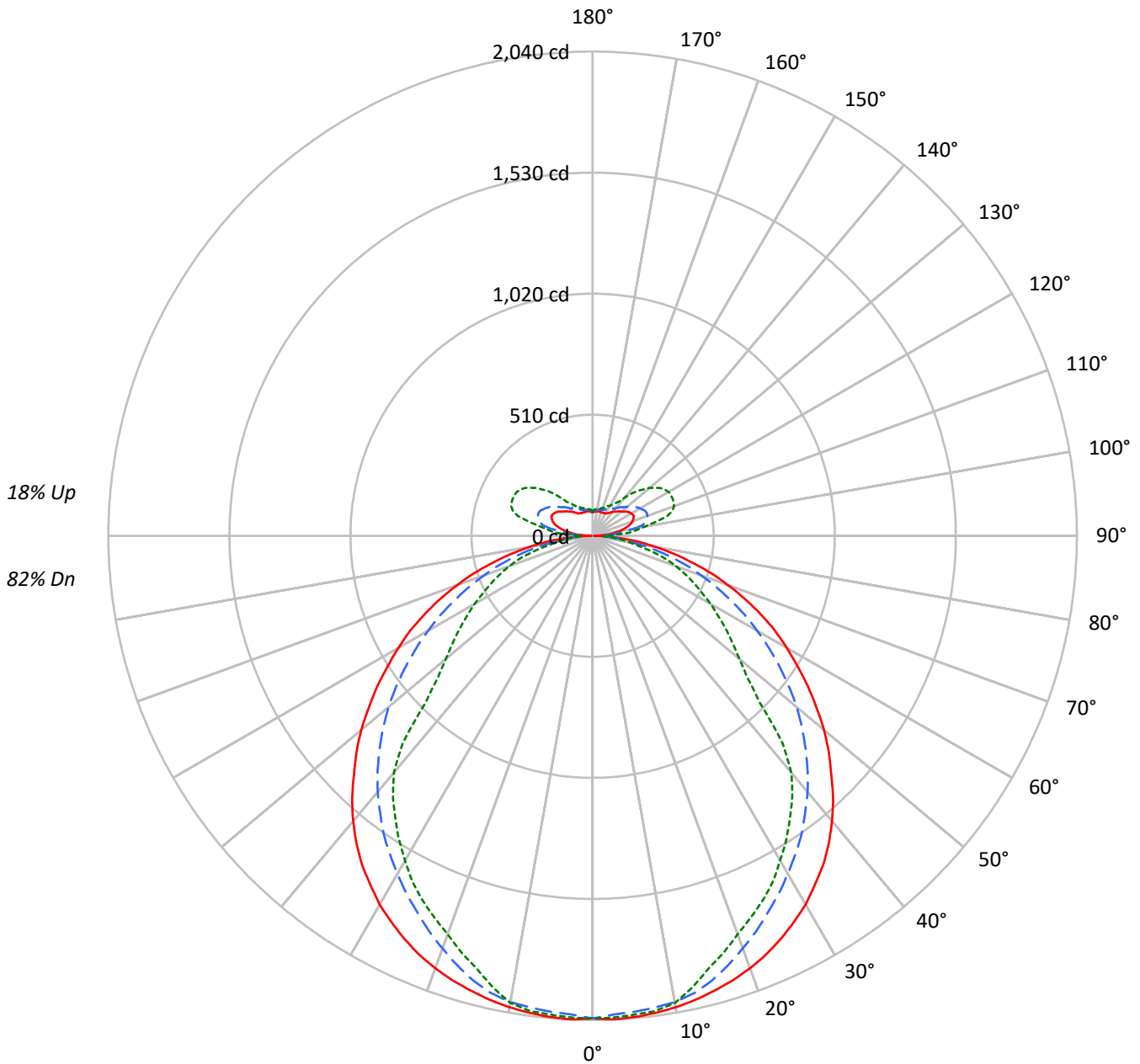
Lumens per Lamp: N/A
Luminaire Lumens: 6586.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 63.4
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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82																			
1	105	100	96	92	100	96	93	89	89	86	83	82	80	78	76	74	72	69																			
2	96	88	81	76	91	84	78	73	78	73	69	72	68	65	67	64	61	58																			
3	87	77	69	63	83	74	67	61	69	63	58	64	59	55	59	55	52	49																			
4	80	68	60	53	76	66	58	52	61	55	50	57	51	47	53	48	45	42																			
5	73	61	52	46	70	59	51	45	55	48	43	51	45	41	48	43	39	36																			
6	68	55	46	40	65	53	45	39	50	43	38	46	40	36	43	38	34	32																			
7	63	50	41	35	60	48	40	35	45	38	33	42	36	32	39	34	30	28																			
8	58	45	37	32	56	44	36	31	41	35	30	39	33	29	36	31	27	25																			
9	55	42	34	28	52	40	33	28	38	31	27	36	30	26	33	28	25	23																			
10	51	38	31	26	49	37	30	25	35	29	24	33	27	23	31	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5472	5472	5472
5°	5499	5437	5471
10°	5512	5450	5461
15°	5528	5407	5257
20°	5552	5298	5115
25°	5567	5193	5034
30°	5575	5108	4909
35°	5563	5041	4763
40°	5513	4949	4572
45°	5408	4827	3791
50°	5327	4697	3376
55°	5196	4509	3212
60°	5084	4307	3086
65°	4964	4071	2994
70°	4771	3814	2937
75°	4503	3496	2702
80°	4124	2940	2397
85°	3693	2547	2421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	2.9
10°-20°	547.5	8.3
20°-30°	817.1	12.4
30°-40°	973.5	14.8
40°-50°	968.3	14.7
50°-60°	829.9	12.6
60°-70°	625.0	9.5
70°-80°	362.0	5.5
80°-90°	108.8	1.7
90°-100°	116.8	1.8
100°-110°	239.9	3.6
110°-120°	253.6	3.9
120°-130°	211.6	3.2
130°-140°	147.8	2.2
140°-150°	92.0	1.4
150°-160°	57.0	0.9
160°-170°	32.1	0.5
170°-180°	10.4	0.2
0°-30°	1557.3	23.6
0°-40°	2530.8	38.4
0°-60°	4329.1	65.7
0°-90°	5424.9	82.4
90°-120°	610.3	9.3
90°-150°	1061.6	16.1
90°-180°	1161.0	17.6
0°-180°	6586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2034	2034	2034	2034	2034	
5°	2036	2029	2013	2027	2025	194
15°	1984	1982	1941	1908	1887	561
25°	1875	1848	1749	1706	1695	864
35°	1693	1648	1534	1475	1450	1058
45°	1421	1386	1268	1143	996	1099
55°	1108	1091	961	763	685	990
65°	780	761	639	497	470	771
75°	433	419	336	268	260	459
85°	120	105	82	78	78	128
90°	6	29	50	62	66	12
95°	66	89	101	148	161	63
105°	155	161	231	309	328	160
115°	192	163	245	338	371	187
125°	177	157	212	311	351	158
135°	144	157	171	231	266	113
145°	118	136	148	159	169	75
155°	107	113	122	132	134	49
165°	105	109	113	118	118	30
175°	103	105	107	109	111	10
180°	101	101	101	101	101	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2033.6	2033.6	2033.6	2033.6	2033.6
2.5°	2039.8	2035.6	2019.1	2035.6	2031.5
5°	2035.6	2029.4	2012.9	2027.4	2025.3
7.5°	2027.4	2023.3	2004.7	2021.2	2019.1
10°	2017.1	2010.9	1994.4	2006.8	1998.5
12.5°	2002.6	1998.5	1973.8	1963.5	1947.0
15°	1984.1	1982.0	1940.8	1907.8	1887.1
17.5°	1963.5	1955.2	1897.5	1858.3	1839.7
20°	1938.7	1926.3	1850.0	1804.6	1786.1
22.5°	1909.8	1891.3	1802.6	1759.3	1740.7
25°	1874.8	1848.0	1749.0	1705.6	1695.3
27.5°	1835.6	1804.6	1699.5	1656.1	1643.8
30°	1794.3	1755.1	1643.8	1602.5	1579.8
32.5°	1742.8	1705.6	1590.1	1542.7	1518.0
35°	1693.3	1647.9	1534.5	1474.7	1449.9
37.5°	1633.5	1588.1	1470.5	1410.7	1381.8
40°	1569.5	1524.1	1408.7	1338.5	1301.4
42.5°	1499.4	1458.2	1340.6	1256.0	1183.8
45°	1421.0	1386.0	1268.4	1142.6	996.2
47.5°	1348.8	1315.8	1196.2	1033.3	882.7
50°	1272.5	1241.6	1122.0	930.2	806.4
52.5°	1188.0	1165.3	1041.5	841.5	742.5
55°	1107.5	1091.0	961.1	763.1	684.7
57.5°	1023.0	1006.5	880.7	688.9	627.0
60°	944.6	928.1	800.2	622.9	573.4
62.5°	866.2	843.5	721.9	558.9	517.7
65°	779.6	761.0	639.4	497.1	470.2
67.5°	693.0	676.5	563.0	439.3	420.7
70°	606.4	591.9	484.7	383.6	373.3
72.5°	521.8	503.2	414.6	327.9	323.8
75°	433.1	418.7	336.2	268.1	259.9
77.5°	348.6	336.2	264.0	204.2	198.0
80°	266.1	253.7	189.7	148.5	154.7
82.5°	195.9	179.4	127.9	115.5	121.7
85°	119.6	105.2	82.5	78.4	78.4
87.5°	41.2	39.2	37.1	43.3	45.4
90°	6.2	28.9	49.5	61.9	66.0
92.5°	35.1	51.6	68.1	80.4	84.6
95°	66.0	88.7	101.1	148.5	160.9
97.5°	90.7	117.6	132.0	175.3	187.7
100°	115.5	140.2	185.6	208.3	222.7
102.5°	136.1	154.7	218.6	264.0	272.2
105°	154.7	160.9	231.0	309.4	327.9



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CATALOG NUMBER: 8WSLA-100-L930-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	185.6	165.0	247.5	336.2	369.2
115°	191.8	162.9	245.4	338.2	371.2
117.5°	191.8	162.9	239.2	338.2	371.2
120°	187.7	165.0	231.0	334.1	369.2
122.5°	183.6	160.9	222.7	325.9	360.9
125°	177.4	156.7	212.4	311.4	350.6
127.5°	167.1	160.9	202.1	292.9	332.1
130°	158.8	162.9	189.7	274.3	313.5
132.5°	152.6	158.8	177.4	253.7	288.7
135°	144.4	156.7	171.2	231.0	266.1
137.5°	138.2	150.6	160.9	210.4	239.2
140°	132.0	146.4	150.6	183.6	208.3
142.5°	123.7	140.2	142.3	171.2	181.5
145°	117.6	136.1	148.5	158.8	169.1
147.5°	111.4	127.9	144.4	146.4	156.7
150°	109.3	119.6	138.2	140.2	144.4
152.5°	107.2	115.5	127.9	140.2	142.3
155°	107.2	113.4	121.7	132.0	134.1
157.5°	105.2	113.4	117.6	125.8	127.9
160°	105.2	111.4	115.5	121.7	123.7
162.5°	105.2	111.4	113.4	119.6	121.7
165°	105.2	109.3	113.4	117.6	117.6
167.5°	105.2	109.3	111.4	115.5	115.5
170°	105.2	107.2	111.4	113.4	113.4
172.5°	103.1	107.2	109.3	113.4	113.4
175°	103.1	105.2	107.2	109.3	111.4
177.5°	99.0	105.2	107.2	109.3	107.2
180°	101.1	101.1	101.1	101.1	101.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	169.1	162.9	239.2	325.9	352.7
110°	179.4	165.0	245.4	332.1	365.1



(END OF REPORT)