

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: P520643

Luminaire Tested: **8WSLA-100-L935-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520643
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-L935-UPL15-UNV-U
Description: 8 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

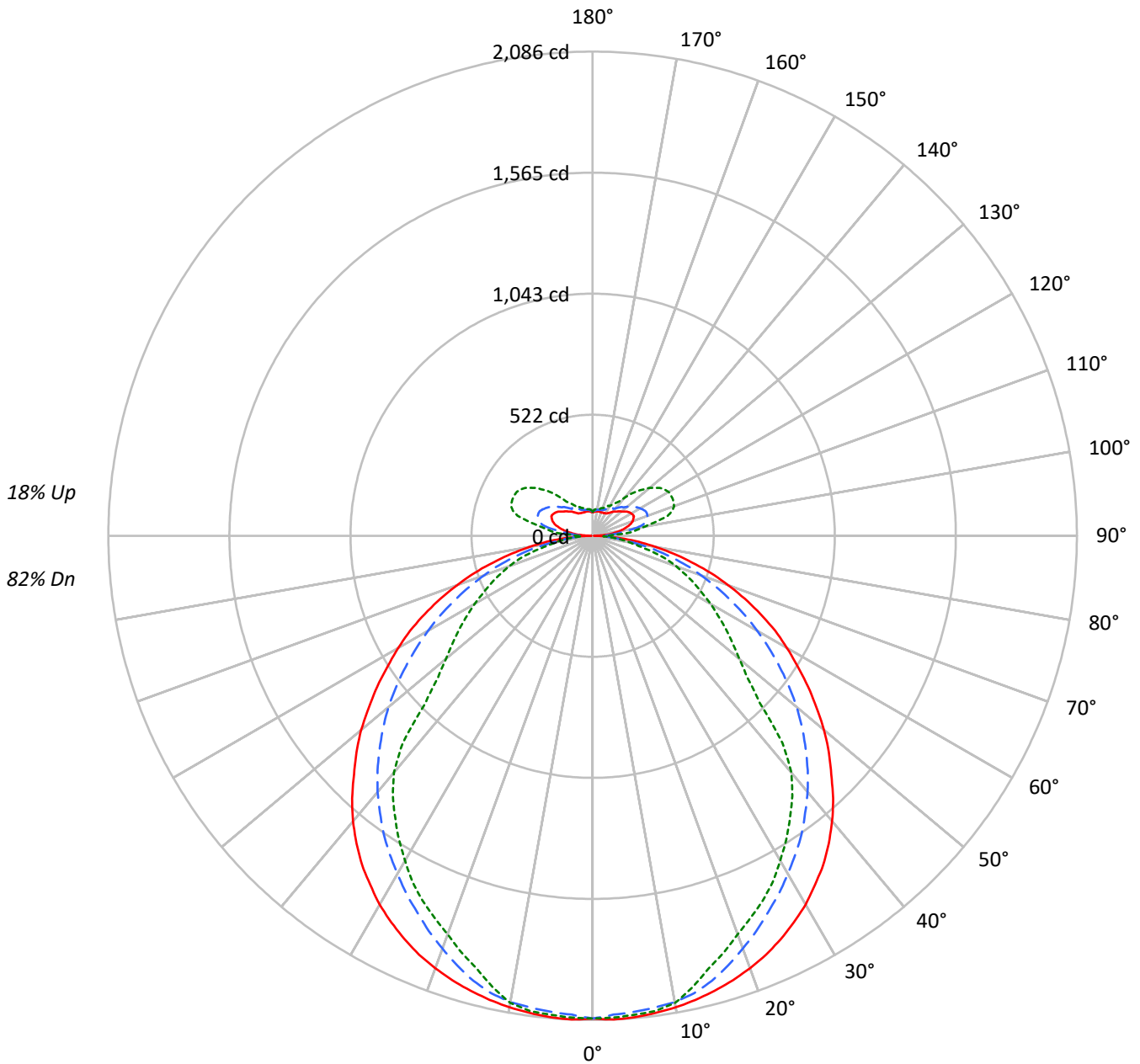
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6736.0 lumens
Efficiency: N/A
Efficacy: 106.2 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°	5597	5597	5597
5°	5624	5561	5596
10°	5637	5574	5585
15°	5653	5530	5377
20°	5678	5419	5231
25°	5693	5311	5148
30°	5702	5224	5021
35°	5689	5156	4871
40°	5639	5061	4676
45°	5531	4937	3878
50°	5449	4804	3453
55°	5315	4612	3286
60°	5200	4405	3156
65°	5077	4164	3062
70°	4880	3900	3004
75°	4606	3575	2764
80°	4217	3008	2452
85°	3776	2606	2476



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.1	2.9
10°-20°	559.9	8.3
20°-30°	835.7	12.4
30°-40°	995.7	14.8
40°-50°	990.4	14.7
50°-60°	848.8	12.6
60°-70°	639.3	9.5
70°-80°	370.2	5.5
80°-90°	111.3	1.7
90°-100°	119.5	1.8
100°-110°	245.3	3.6
110°-120°	259.4	3.9
120°-130°	216.4	3.2
130°-140°	151.2	2.2
140°-150°	94.1	1.4
150°-160°	58.3	0.9
160°-170°	32.8	0.5
170°-180°	10.6	0.2
0°-30°	1592.7	23.6
0°-40°	2588.4	38.4
0°-60°	4427.7	65.7
0°-90°	5548.4	82.4
90°-120°	624.1	9.3
90°-150°	1085.8	16.1
90°-180°	1188.0	17.6
0°-180°	6736.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2080	2080	2080	2080	2080	
5°	2082	2076	2059	2074	2072	198
15°	2029	2027	1985	1951	1930	573
25°	1918	1890	1789	1744	1734	884
35°	1732	1685	1569	1508	1483	1082
45°	1453	1418	1297	1169	1019	1124
55°	1133	1116	983	780	700	1013
65°	797	778	654	508	481	788
75°	443	428	344	274	266	469
85°	122	108	84	80	80	130
90°	6	30	51	63	68	12
95°	68	91	103	152	164	65
105°	158	164	236	316	335	164
115°	196	167	251	346	380	191
125°	181	160	217	318	359	161
135°	148	160	175	236	272	115
145°	120	139	152	162	173	76
155°	110	116	124	135	137	51
165°	108	112	116	120	120	31
175°	106	108	110	112	114	10
180°	103	103	103	103	103	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2079.9	2079.9	2079.9	2079.9	2079.9
2.5°	2086.2	2082.0	2065.1	2082.0	2077.8
5°	2082.0	2075.7	2058.8	2073.6	2071.5
7.5°	2073.6	2069.3	2050.4	2067.2	2065.1
10°	2063.0	2056.7	2039.8	2052.5	2044.0
12.5°	2048.2	2044.0	2018.7	2008.2	1991.3
15°	2029.3	2027.2	1985.0	1951.2	1930.1
17.5°	2008.2	1999.7	1940.7	1900.6	1881.6
20°	1982.9	1970.2	1892.2	1845.7	1826.8
22.5°	1953.3	1934.3	1843.6	1799.3	1780.4
25°	1917.5	1890.0	1788.8	1744.5	1733.9
27.5°	1877.4	1845.7	1738.2	1693.9	1681.2
30°	1835.2	1795.1	1681.2	1639.0	1615.8
32.5°	1782.5	1744.5	1626.4	1577.8	1552.5
35°	1731.8	1685.4	1569.4	1508.2	1482.9
37.5°	1670.7	1624.3	1504.0	1442.8	1413.3
40°	1605.3	1558.9	1440.7	1369.0	1331.0
42.5°	1533.5	1491.4	1371.1	1284.6	1210.8
45°	1453.4	1417.5	1297.3	1168.6	1018.9
47.5°	1379.6	1345.8	1223.5	1056.8	902.8
50°	1301.5	1269.9	1147.5	951.3	824.8
52.5°	1215.0	1191.8	1065.3	860.6	759.4
55°	1132.8	1115.9	983.0	780.5	700.3
57.5°	1046.3	1029.4	900.7	704.5	641.3
60°	966.1	949.2	818.5	637.0	586.4
62.5°	886.0	862.8	738.3	571.7	529.5
65°	797.4	778.4	653.9	508.4	480.9
67.5°	708.8	691.9	575.9	449.3	430.3
70°	620.2	605.4	495.7	392.4	381.8
72.5°	533.7	514.7	424.0	335.4	331.2
75°	443.0	428.2	343.8	274.2	265.8
77.5°	356.5	343.8	270.0	208.8	202.5
80°	272.1	259.5	194.1	151.9	158.2
82.5°	200.4	183.5	130.8	118.1	124.5
85°	122.3	107.6	84.4	80.2	80.2
87.5°	42.2	40.1	38.0	44.3	46.4
90°	6.3	29.5	50.6	63.3	67.5
92.5°	35.9	52.7	69.6	82.3	86.5
95°	67.5	90.7	103.4	151.9	164.5
97.5°	92.8	120.2	135.0	179.3	192.0
100°	118.1	143.4	189.8	213.1	227.8
102.5°	139.2	158.2	223.6	270.0	278.4
105°	158.2	164.5	236.3	316.4	335.4



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CATALOG NUMBER: 8WSLA-100-L935-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	189.8	168.8	253.1	343.8	377.6
115°	196.2	166.6	251.0	345.9	379.7
117.5°	196.2	166.6	244.7	345.9	379.7
120°	192.0	168.8	236.3	341.7	377.6
122.5°	187.7	164.5	227.8	333.3	369.1
125°	181.4	160.3	217.3	318.5	358.6
127.5°	170.9	164.5	206.7	299.5	339.6
130°	162.4	166.6	194.1	280.6	320.6
132.5°	156.1	162.4	181.4	259.5	295.3
135°	147.7	160.3	175.1	236.3	272.1
137.5°	141.3	154.0	164.5	215.2	244.7
140°	135.0	149.8	154.0	187.7	213.1
142.5°	126.6	143.4	145.6	175.1	185.6
145°	120.2	139.2	151.9	162.4	173.0
147.5°	113.9	130.8	147.7	149.8	160.3
150°	111.8	122.3	141.3	143.4	147.7
152.5°	109.7	118.1	130.8	143.4	145.6
155°	109.7	116.0	124.5	135.0	137.1
157.5°	107.6	116.0	120.2	128.7	130.8
160°	107.6	113.9	118.1	124.5	126.6
162.5°	107.6	113.9	116.0	122.3	124.5
165°	107.6	111.8	116.0	120.2	120.2
167.5°	107.6	111.8	113.9	118.1	118.1
170°	107.6	109.7	113.9	116.0	116.0
172.5°	105.5	109.7	111.8	116.0	116.0
175°	105.5	107.6	109.7	111.8	113.9
177.5°	101.3	107.6	109.7	111.8	109.7
180°	103.4	103.4	103.4	103.4	103.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	173.0	166.6	244.7	333.3	360.7
110°	183.5	168.8	251.0	339.6	373.4



(END OF REPORT)