

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: P520578

Luminaire Tested: **4WSLA-200-L950-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520578  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 4WSLA-200-L950-UPL8-UNV-U  
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

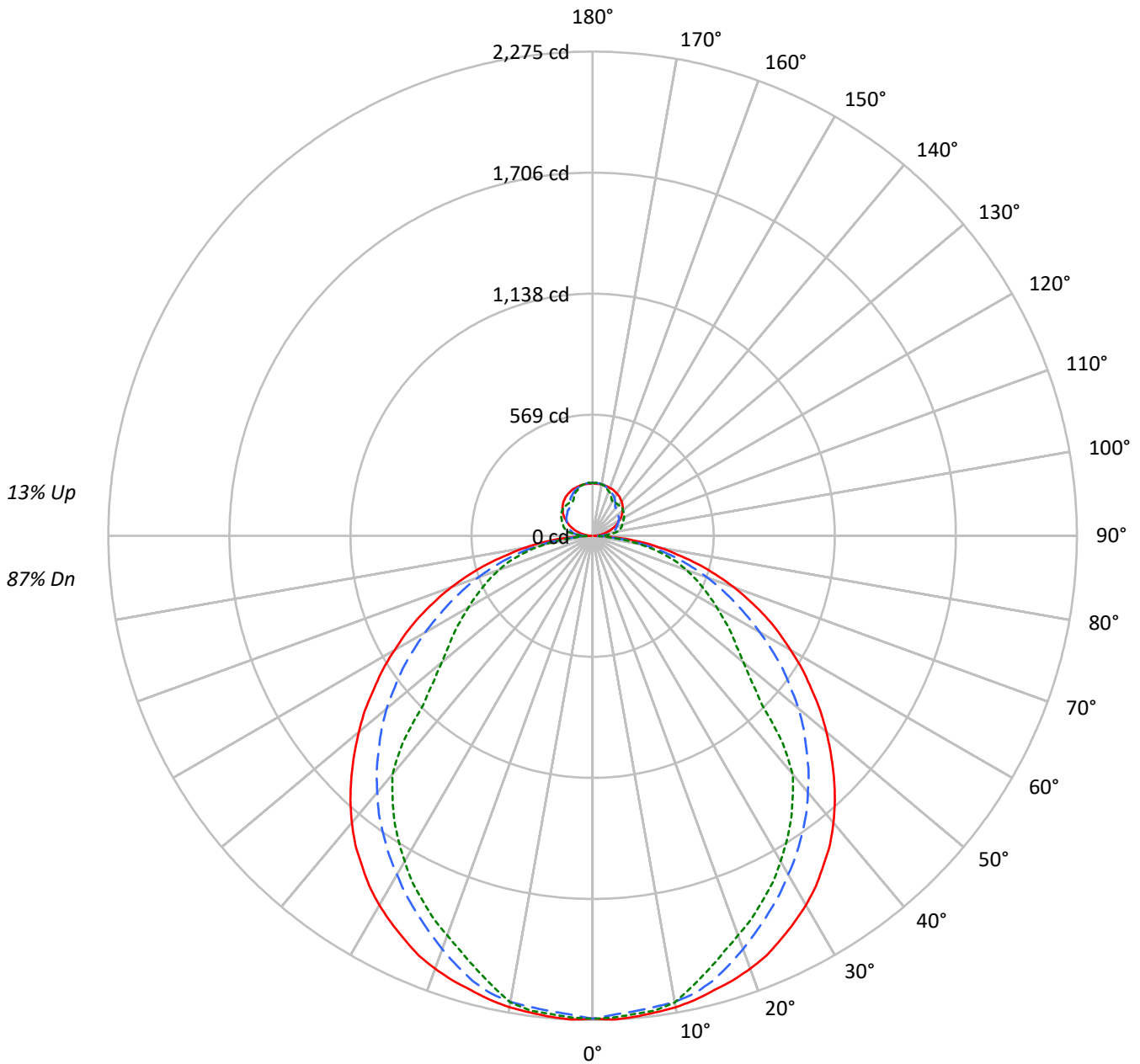
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7061.0 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 76.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87				87
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73				73
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61				61
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51				51
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44				44
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38				38
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33				33
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30				30
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26				26
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24				24
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22				22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	12211	12211	12211
5°	12258	12116	12187
10°	12292	12150	12167
15°	12314	12078	11750
20°	12396	11836	11443
25°	12427	11612	11225
30°	12456	11422	10976
35°	12419	11261	10681
40°	12362	11055	10275
45°	12200	10809	8573
50°	11999	10578	7736
55°	11763	10231	7444
60°	11560	9768	7239
65°	11391	9354	7233
70°	11095	8990	7345
75°	10591	8553	7399
80°	9915	7689	6881
85°	9071	5440	4638



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.8	3.0
10°-20°	610.7	8.6
20°-30°	912.4	12.9
30°-40°	1089.2	15.4
40°-50°	1089.3	15.4
50°-60°	942.7	13.4
60°-70°	723.6	10.2
70°-80°	443.4	6.3
80°-90°	124.8	1.8
90°-100°	70.5	1.0
100°-110°	112.0	1.6
110°-120°	130.9	1.9
120°-130°	141.3	2.0
130°-140°	139.3	2.0
140°-150°	123.2	1.7
150°-160°	101.4	1.4
160°-170°	67.9	1.0
170°-180°	23.6	0.3
0°-30°	1737.9	24.6
0°-40°	2827.1	40.0
0°-60°	4859.1	68.8
0°-90°	6150.9	87.1
90°-120°	313.4	4.4
90°-150°	717.2	10.2
90°-180°	910.0	12.9
0°-180°	7061.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2269	2269	2269	2269	2269	
5°	2269	2262	2243	2259	2256	216
15°	2210	2207	2168	2128	2109	625
25°	2093	2066	1956	1903	1890	965
35°	1890	1841	1714	1652	1626	1184
45°	1603	1557	1420	1293	1126	1236
55°	1254	1224	1090	872	793	1124
65°	894	862	734	591	568	884
75°	509	483	411	356	356	537
85°	147	121	88	75	75	154
90°	6	23	36	46	49	10
95°	26	56	75	78	78	26
105°	75	78	111	131	137	79
115°	124	104	131	150	160	121
125°	166	134	150	173	180	148
135°	199	180	166	183	193	154
145°	222	212	186	183	189	138
155°	235	232	219	209	206	108
165°	242	245	238	238	238	69
175°	245	248	248	251	251	23
180°	248	248	248	248	248	



TEST NUMBER: P520578

CATALOG NUMBER: 4WSLA-200-L950-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2268.9	2268.9	2268.9	2268.9	2268.9
2.5°	2275.4	2268.9	2252.5	2268.9	2265.6
5°	2268.9	2262.3	2242.7	2259.1	2255.8
7.5°	2259.1	2252.5	2233.0	2252.5	2249.3
10°	2249.3	2242.7	2223.2	2236.2	2226.4
12.5°	2233.0	2226.4	2203.6	2187.3	2167.7
15°	2210.1	2206.8	2167.7	2128.5	2108.9
17.5°	2190.5	2180.7	2118.7	2073.0	2050.1
20°	2164.4	2148.1	2066.5	2014.2	1997.9
22.5°	2135.0	2108.9	2011.0	1962.0	1948.9
25°	2092.6	2066.5	1955.5	1903.2	1890.2
27.5°	2050.1	2017.5	1900.0	1847.7	1834.7
30°	2004.4	1958.7	1837.9	1789.0	1766.1
32.5°	1952.2	1906.5	1779.2	1723.7	1697.6
35°	1890.2	1841.2	1713.9	1651.9	1625.7
37.5°	1831.4	1779.2	1648.6	1580.0	1544.1
40°	1759.6	1707.4	1573.5	1498.4	1462.5
42.5°	1684.5	1635.5	1501.7	1410.3	1322.1
45°	1602.9	1557.2	1420.1	1292.8	1126.3
47.5°	1518.0	1478.8	1345.0	1172.0	1012.0
50°	1433.1	1394.0	1263.4	1057.7	923.9
52.5°	1348.3	1315.6	1172.0	963.0	852.0
55°	1253.6	1224.2	1090.4	871.6	793.3
57.5°	1168.7	1139.3	995.7	796.6	731.3
60°	1074.0	1047.9	907.5	721.5	672.5
62.5°	985.9	956.5	819.4	656.2	620.3
65°	894.5	861.8	734.5	590.9	568.0
67.5°	799.8	767.2	652.9	532.1	519.1
70°	705.1	679.0	571.3	473.4	466.8
72.5°	607.2	577.8	489.7	417.9	417.9
75°	509.3	483.2	411.3	355.8	355.8
77.5°	408.1	395.0	329.7	290.5	293.8
80°	319.9	303.6	248.1	222.0	222.0
82.5°	235.0	215.5	166.5	146.9	153.4
85°	146.9	120.8	88.1	75.1	75.1
87.5°	45.7	35.9	26.1	29.4	29.4
90°	6.5	22.9	35.9	45.7	49.0
92.5°	16.3	42.4	52.2	62.0	65.3
95°	26.1	55.5	75.1	78.3	78.3
97.5°	35.9	62.0	91.4	104.5	104.5
100°	49.0	65.3	97.9	117.5	120.8
102.5°	62.0	71.8	104.5	124.1	130.6
105°	75.1	78.3	111.0	130.6	137.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	111.0	97.9	124.1	146.9	153.4
115°	124.1	104.5	130.6	150.2	160.0
117.5°	133.8	114.3	137.1	156.7	163.2
120°	143.6	120.8	140.4	163.2	169.8
122.5°	156.7	127.3	146.9	166.5	176.3
125°	166.5	133.8	150.2	173.0	179.6
127.5°	176.3	146.9	153.4	176.3	182.8
130°	182.8	160.0	156.7	179.6	186.1
132.5°	192.6	169.8	160.0	182.8	189.3
135°	199.1	179.6	166.5	182.8	192.6
137.5°	205.7	189.3	166.5	182.8	189.3
140°	212.2	199.1	169.8	182.8	189.3
142.5°	215.5	205.7	173.0	182.8	189.3
145°	222.0	212.2	186.1	182.8	189.3
147.5°	225.3	218.7	195.9	182.8	189.3
150°	228.5	225.3	205.7	186.1	186.1
152.5°	231.8	228.5	212.2	199.1	192.6
155°	235.0	231.8	218.7	208.9	205.7
157.5°	238.3	238.3	225.3	218.7	215.5
160°	238.3	241.6	231.8	225.3	222.0
162.5°	241.6	244.8	235.0	231.8	228.5
165°	241.6	244.8	238.3	238.3	238.3
167.5°	244.8	248.1	244.8	241.6	241.6
170°	244.8	248.1	244.8	244.8	244.8
172.5°	244.8	248.1	248.1	248.1	248.1
175°	244.8	248.1	248.1	251.4	251.4
177.5°	244.8	248.1	248.1	248.1	248.1
180°	248.1	248.1	248.1	248.1	248.1



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	88.1	84.9	114.3	137.1	143.6
110°	97.9	91.4	120.8	140.4	146.9



(END OF REPORT)