

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: P520572

Luminaire Tested: **4WSLA-200-L935-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520572  
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-L935-UPL8-UNV-U  
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

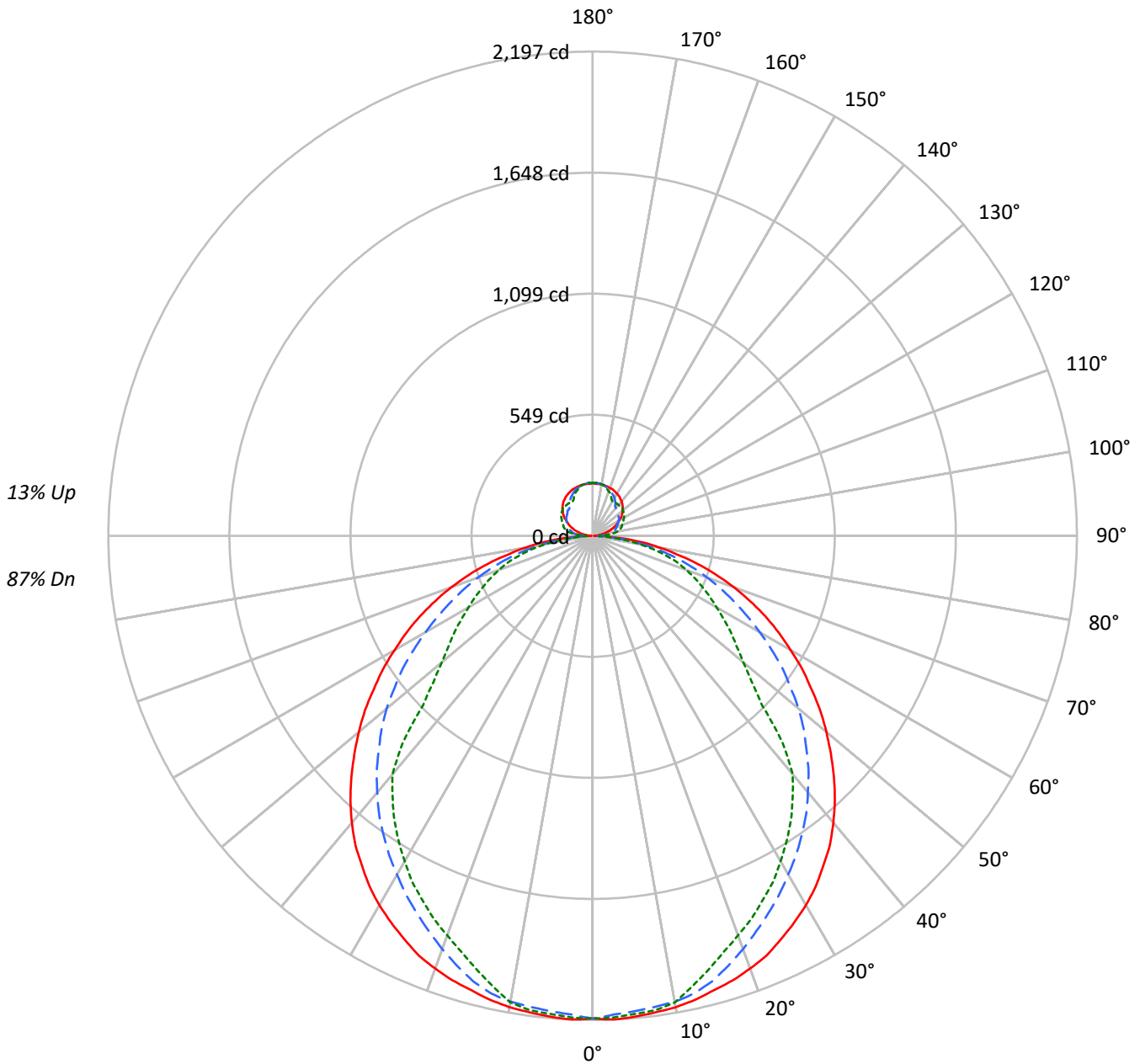
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6818.0 lumens  
Efficiency: N/A  
Efficacy: 89.4 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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

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

	0°	45°	90°
0°	11791	11791	11791
5°	11836	11700	11768
10°	11869	11732	11749
15°	11890	11662	11346
20°	11970	11428	11049
25°	11999	11213	10838
30°	12028	11029	10598
35°	11991	10873	10314
40°	11937	10675	9922
45°	11780	10437	8277
50°	11586	10214	7469
55°	11357	9879	7187
60°	11163	9432	6990
65°	10999	9032	6985
70°	10715	8680	7094
75°	10225	8259	7145
80°	9574	7426	6645
85°	8756	5255	4477



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.4	3.0
10°-20°	589.6	8.6
20°-30°	881.0	12.9
30°-40°	1051.7	15.4
40°-50°	1051.8	15.4
50°-60°	910.3	13.4
60°-70°	698.7	10.2
70°-80°	428.1	6.3
80°-90°	120.5	1.8
90°-100°	68.1	1.0
100°-110°	108.1	1.6
110°-120°	126.4	1.9
120°-130°	136.5	2.0
130°-140°	134.5	2.0
140°-150°	119.0	1.7
150°-160°	97.9	1.4
160°-170°	65.5	1.0
170°-180°	22.8	0.3
0°-30°	1678.1	24.6
0°-40°	2729.8	40.0
0°-60°	4691.9	68.8
0°-90°	5939.2	87.1
90°-120°	302.7	4.4
90°-150°	692.6	10.2
90°-180°	879.0	12.9
0°-180°	6818.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2191	2191	2191	2191	2191	
5°	2191	2184	2166	2181	2178	208
15°	2134	2131	2093	2055	2036	604
25°	2021	1995	1888	1838	1825	932
35°	1825	1778	1655	1595	1570	1143
45°	1548	1504	1371	1248	1088	1193
55°	1210	1182	1053	842	766	1085
65°	864	832	709	570	548	853
75°	492	466	397	344	344	519
85°	142	117	85	72	72	148
90°	6	22	35	44	47	10
95°	25	54	72	76	76	25
105°	72	76	107	126	132	76
115°	120	101	126	145	154	117
125°	161	129	145	167	173	143
135°	192	173	161	176	186	148
145°	214	205	180	176	183	134
155°	227	224	211	202	199	105
165°	233	236	230	230	230	66
175°	236	240	240	243	243	23
180°	240	240	240	240	240	



TEST NUMBER: P520572

CATALOG NUMBER: 4WSLA-200-L935-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2190.8	2190.8	2190.8	2190.8	2190.8
2.5°	2197.1	2190.8	2175.0	2190.8	2187.6
5°	2190.8	2184.5	2165.6	2181.3	2178.2
7.5°	2181.3	2175.0	2156.1	2175.0	2171.9
10°	2171.9	2165.6	2146.7	2159.3	2149.8
12.5°	2156.1	2149.8	2127.7	2112.0	2093.1
15°	2134.0	2130.9	2093.1	2055.2	2036.3
17.5°	2115.1	2105.7	2045.8	2001.7	1979.6
20°	2089.9	2074.2	1995.3	1944.9	1929.2
22.5°	2061.5	2036.3	1941.8	1894.5	1881.9
25°	2020.6	1995.3	1888.2	1837.7	1825.1
27.5°	1979.6	1948.1	1834.6	1784.1	1771.5
30°	1935.5	1891.3	1774.7	1727.4	1705.3
32.5°	1885.0	1840.9	1718.0	1664.4	1639.1
35°	1825.1	1777.8	1654.9	1595.0	1569.8
37.5°	1768.4	1718.0	1591.9	1525.7	1491.0
40°	1699.0	1648.6	1519.4	1446.9	1412.2
42.5°	1626.5	1579.3	1450.0	1361.8	1276.6
45°	1547.7	1503.6	1371.2	1248.3	1087.5
47.5°	1465.8	1427.9	1298.7	1131.6	977.2
50°	1383.8	1346.0	1219.9	1021.3	892.1
52.5°	1301.9	1270.3	1131.6	929.9	822.7
55°	1210.4	1182.1	1052.8	841.6	766.0
57.5°	1128.5	1100.1	961.4	769.1	706.1
60°	1037.1	1011.9	876.3	696.6	649.4
62.5°	952.0	923.6	791.2	633.6	598.9
65°	863.7	832.2	709.2	570.5	548.5
67.5°	772.3	740.8	630.4	513.8	501.2
70°	680.9	655.7	551.6	457.1	450.8
72.5°	586.3	557.9	472.8	403.5	403.5
75°	491.7	466.5	397.2	343.6	343.6
77.5°	394.0	381.4	318.4	280.5	283.7
80°	308.9	293.2	239.6	214.4	214.4
82.5°	227.0	208.0	160.8	141.8	148.2
85°	141.8	116.6	85.1	72.5	72.5
87.5°	44.1	34.7	25.2	28.4	28.4
90°	6.3	22.1	34.7	44.1	47.3
92.5°	15.8	41.0	50.4	59.9	63.0
95°	25.2	53.6	72.5	75.7	75.7
97.5°	34.7	59.9	88.3	100.9	100.9
100°	47.3	63.0	94.6	113.5	116.6
102.5°	59.9	69.3	100.9	119.8	126.1
105°	72.5	75.7	107.2	126.1	132.4



TEST NUMBER: P520572

CATALOG NUMBER: 4WSLA-200-L935-UPL8-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	107.2	94.6	119.8	141.8	148.2
115°	119.8	100.9	126.1	145.0	154.5
117.5°	129.2	110.3	132.4	151.3	157.6
120°	138.7	116.6	135.5	157.6	163.9
122.5°	151.3	122.9	141.8	160.8	170.2
125°	160.8	129.2	145.0	167.1	173.4
127.5°	170.2	141.8	148.2	170.2	176.5
130°	176.5	154.5	151.3	173.4	179.7
132.5°	186.0	163.9	154.5	176.5	182.8
135°	192.3	173.4	160.8	176.5	186.0
137.5°	198.6	182.8	160.8	176.5	182.8
140°	204.9	192.3	163.9	176.5	182.8
142.5°	208.0	198.6	167.1	176.5	182.8
145°	214.4	204.9	179.7	176.5	182.8
147.5°	217.5	211.2	189.1	176.5	182.8
150°	220.7	217.5	198.6	179.7	179.7
152.5°	223.8	220.7	204.9	192.3	186.0
155°	227.0	223.8	211.2	201.7	198.6
157.5°	230.1	230.1	217.5	211.2	208.0
160°	230.1	233.3	223.8	217.5	214.4
162.5°	233.3	236.4	227.0	223.8	220.7
165°	233.3	236.4	230.1	230.1	230.1
167.5°	236.4	239.6	236.4	233.3	233.3
170°	236.4	239.6	236.4	236.4	236.4
172.5°	236.4	239.6	239.6	239.6	239.6
175°	236.4	239.6	239.6	242.7	242.7
177.5°	236.4	239.6	239.6	239.6	239.6
180°	239.6	239.6	239.6	239.6	239.6



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	85.1	82.0	110.3	132.4	138.7
110°	94.6	88.3	116.6	135.5	141.8



(END OF REPORT)