

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: P520577

Luminaire Tested: **4WSLA-200-L950-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520577  
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: 4WSLA-200-L950-UPL15-UNV-U  
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

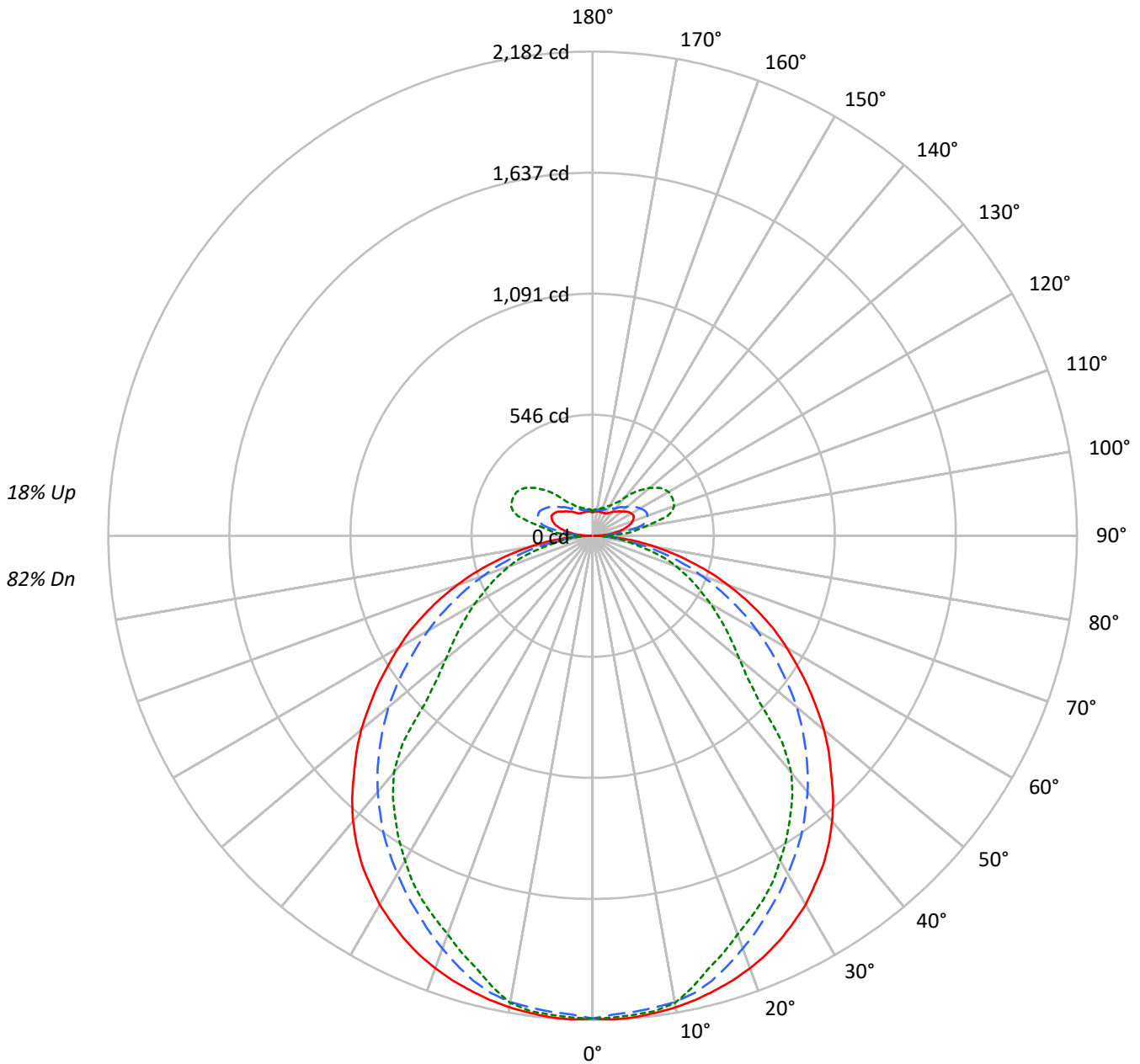
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7045.0 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.16 / 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					
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	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°	11707	11707	11707
5°	11764	11633	11705
10°	11792	11659	11683
15°	11826	11567	11248
20°	11877	11334	10943
25°	11909	11109	10769
30°	11928	10927	10502
35°	11901	10784	10190
40°	11795	10586	9780
45°	11570	10327	8111
50°	11397	10049	7222
55°	11116	9647	6873
60°	10876	9214	6602
65°	10620	8709	6406
70°	10206	8159	6283
75°	9634	7478	5781
80°	8821	6292	5129
85°	7904	5446	5175



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.2	2.9
10°-20°	585.6	8.3
20°-30°	874.0	12.4
30°-40°	1041.4	14.8
40°-50°	1035.8	14.7
50°-60°	887.8	12.6
60°-70°	668.6	9.5
70°-80°	387.2	5.5
80°-90°	116.4	1.7
90°-100°	124.9	1.8
100°-110°	256.6	3.6
110°-120°	271.3	3.9
120°-130°	226.3	3.2
130°-140°	158.1	2.2
140°-150°	98.4	1.4
150°-160°	61.0	0.9
160°-170°	34.4	0.5
170°-180°	11.1	0.2
0°-30°	1665.8	23.6
0°-40°	2707.2	38.4
0°-60°	4630.8	65.7
0°-90°	5803.0	82.4
90°-120°	652.8	9.3
90°-150°	1135.6	16.1
90°-180°	1242.0	17.6
0°-180°	7045.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2175	2175	2175	2175	2175	
5°	2178	2171	2153	2169	2166	207
15°	2122	2120	2076	2041	2019	600
25°	2005	1977	1871	1824	1814	925
35°	1811	1763	1641	1577	1551	1131
45°	1520	1483	1357	1222	1066	1175
55°	1185	1167	1028	816	732	1059
65°	834	814	684	532	503	824
75°	463	448	360	287	278	491
85°	128	112	88	84	84	136
90°	7	31	53	66	71	13
95°	71	95	108	159	172	68
105°	166	172	247	331	351	172
115°	205	174	262	362	397	200
125°	190	168	227	333	375	169
135°	154	168	183	247	285	121
145°	126	146	159	170	181	80
155°	115	121	130	141	143	53
165°	112	117	121	126	126	32
175°	110	112	115	117	119	11
180°	108	108	108	108	108	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2175.3	2175.3	2175.3	2175.3	2175.3
2.5°	2181.9	2177.5	2159.9	2177.5	2173.1
5°	2177.5	2170.9	2153.2	2168.7	2166.5
7.5°	2168.7	2164.3	2144.4	2162.1	2159.9
10°	2157.7	2151.0	2133.4	2146.6	2137.8
12.5°	2142.2	2137.8	2111.3	2100.3	2082.6
15°	2122.4	2120.1	2076.0	2040.7	2018.7
17.5°	2100.3	2091.5	2029.7	1987.8	1967.9
20°	2073.8	2060.6	1978.9	1930.4	1910.6
22.5°	2042.9	2023.1	1928.2	1881.9	1862.0
25°	2005.4	1976.7	1870.8	1824.5	1813.5
27.5°	1963.5	1930.4	1817.9	1771.6	1758.3
30°	1919.4	1877.5	1758.3	1714.2	1689.9
32.5°	1864.2	1824.5	1701.0	1650.2	1623.8
35°	1811.3	1762.7	1641.4	1577.4	1550.9
37.5°	1747.3	1698.8	1573.0	1509.0	1478.1
40°	1678.9	1630.4	1506.8	1431.8	1392.1
42.5°	1603.9	1559.8	1434.0	1343.6	1266.4
45°	1520.1	1482.6	1356.8	1222.2	1065.6
47.5°	1442.8	1407.5	1279.6	1105.3	944.2
50°	1361.2	1328.1	1200.2	995.0	862.6
52.5°	1270.8	1246.5	1114.1	900.1	794.2
55°	1184.7	1167.1	1028.1	816.3	732.5
57.5°	1094.3	1076.6	942.0	736.9	670.7
60°	1010.4	992.8	856.0	666.3	613.3
62.5°	926.6	902.3	772.2	597.9	553.8
65°	833.9	814.1	683.9	531.7	503.0
67.5°	741.3	723.6	602.3	469.9	450.1
70°	648.6	633.2	518.5	410.4	399.3
72.5°	558.2	538.3	443.4	350.8	346.4
75°	463.3	447.9	359.6	286.8	278.0
77.5°	372.8	359.6	282.4	218.4	211.8
80°	284.6	271.4	203.0	158.8	165.5
82.5°	209.6	191.9	136.8	123.5	130.2
85°	128.0	112.5	88.2	83.8	83.8
87.5°	44.1	41.9	39.7	46.3	48.5
90°	6.6	30.9	52.9	66.2	70.6
92.5°	37.5	55.2	72.8	86.0	90.5
95°	70.6	94.9	108.1	158.8	172.1
97.5°	97.1	125.8	141.2	187.5	200.8
100°	123.5	150.0	198.6	222.8	238.3
102.5°	145.6	165.5	233.9	282.4	291.2
105°	165.5	172.1	247.1	330.9	350.8



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CATALOG NUMBER: 4WSLA-200-L950-UPL15-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	198.6	176.5	264.7	359.6	394.9
115°	205.2	174.3	262.5	361.8	397.1
117.5°	205.2	174.3	255.9	361.8	397.1
120°	200.8	176.5	247.1	357.4	394.9
122.5°	196.4	172.1	238.3	348.6	386.1
125°	189.7	167.7	227.2	333.1	375.1
127.5°	178.7	172.1	216.2	313.3	355.2
130°	169.9	174.3	203.0	293.4	335.3
132.5°	163.3	169.9	189.7	271.4	308.9
135°	154.4	167.7	183.1	247.1	284.6
137.5°	147.8	161.1	172.1	225.0	255.9
140°	141.2	156.6	161.1	196.4	222.8
142.5°	132.4	150.0	152.2	183.1	194.1
145°	125.8	145.6	158.8	169.9	180.9
147.5°	119.1	136.8	154.4	156.6	167.7
150°	116.9	128.0	147.8	150.0	154.4
152.5°	114.7	123.5	136.8	150.0	152.2
155°	114.7	121.3	130.2	141.2	143.4
157.5°	112.5	121.3	125.8	134.6	136.8
160°	112.5	119.1	123.5	130.2	132.4
162.5°	112.5	119.1	121.3	128.0	130.2
165°	112.5	116.9	121.3	125.8	125.8
167.5°	112.5	116.9	119.1	123.5	123.5
170°	112.5	114.7	119.1	121.3	121.3
172.5°	110.3	114.7	116.9	121.3	121.3
175°	110.3	112.5	114.7	116.9	119.1
177.5°	105.9	112.5	114.7	116.9	114.7
180°	108.1	108.1	108.1	108.1	108.1



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	180.9	174.3	255.9	348.6	377.3
110°	191.9	176.5	262.5	355.2	390.5



(END OF REPORT)