

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: P520571

Luminaire Tested: **4WSLA-200-L935-UPL15-UNV-U**

Issue Date: 5/3/2021

**Test Information**

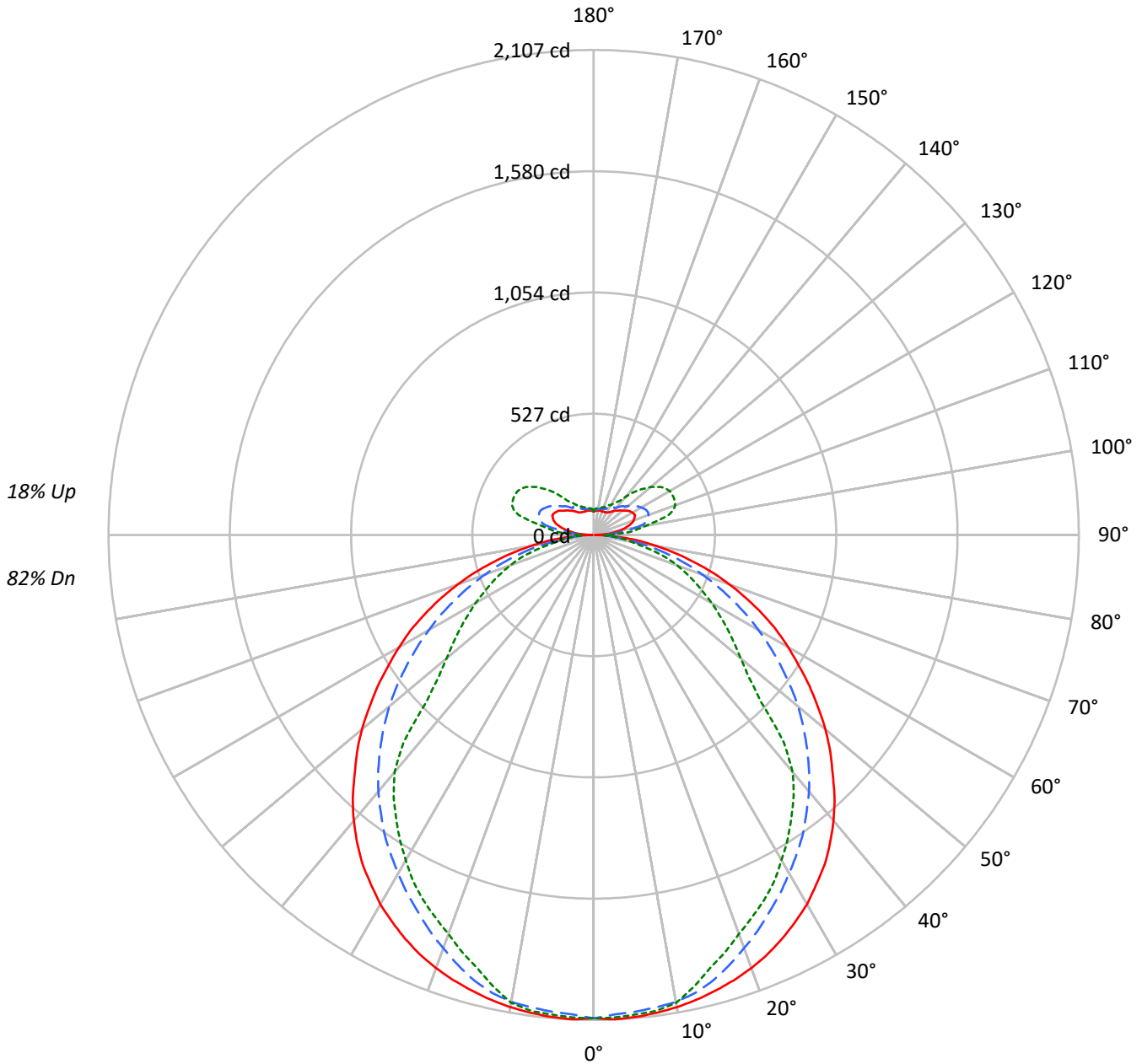
Test Method: LM-79-08  
Report Number: P520571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 4WSLA-200-L935-UPL15-UNV-U  
Description: 4 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: 6802.0 lumens  
Efficiency: N/A  
Efficacy: 89.1 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

TEST NUMBER: P520571  
CATALOG NUMBER: 4WSLA-200-L935-UPL15-UNV-U

### 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°	11304	11304	11304
5°	11358	11232	11300
10°	11385	11257	11280
15°	11417	11168	10859
20°	11468	10943	10565
25°	11498	10726	10397
30°	11517	10550	10140
35°	11490	10412	9839
40°	11389	10222	9443
45°	11170	9971	7830
50°	11004	9702	6974
55°	10733	9314	6636
60°	10501	8896	6374
65°	10254	8409	6185
70°	9854	7877	6066
75°	9301	7220	5581
80°	8517	6075	4953
85°	7626	5261	4996



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.1	2.9
10°-20°	565.4	8.3
20°-30°	843.9	12.4
30°-40°	1005.5	14.8
40°-50°	1000.1	14.7
50°-60°	857.1	12.6
60°-70°	645.5	9.5
70°-80°	373.9	5.5
80°-90°	112.4	1.7
90°-100°	120.6	1.8
100°-110°	247.7	3.6
110°-120°	261.9	3.9
120°-130°	218.5	3.2
130°-140°	152.6	2.2
140°-150°	95.0	1.4
150°-160°	58.9	0.9
160°-170°	33.2	0.5
170°-180°	10.7	0.2
0°-30°	1608.3	23.6
0°-40°	2613.8	38.4
0°-60°	4471.1	65.7
0°-90°	5602.8	82.4
90°-120°	630.3	9.3
90°-150°	1096.4	16.1
90°-180°	1199.0	17.6
0°-180°	6802.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2100	2100	2100	2100	2100	
5°	2102	2096	2079	2094	2092	200
15°	2049	2047	2004	1970	1949	579
25°	1936	1909	1806	1762	1751	893
35°	1749	1702	1585	1523	1498	1092
45°	1468	1431	1310	1180	1029	1135
55°	1144	1127	993	788	707	1023
65°	805	786	660	513	486	796
75°	447	432	347	277	268	474
85°	124	109	85	81	81	132
90°	6	30	51	64	68	13
95°	68	92	104	153	166	65
105°	160	166	239	320	339	166
115°	198	168	254	349	383	193
125°	183	162	219	322	362	163
135°	149	162	177	239	275	116
145°	121	141	153	164	175	77
155°	111	117	126	136	138	51
165°	109	113	117	121	121	31
175°	106	109	111	113	115	10
180°	104	104	104	104	104	



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CATALOG NUMBER: 4WSLA-200-L935-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2100.3	2100.3	2100.3	2100.3	2100.3
2.5°	2106.7	2102.4	2085.4	2102.4	2098.1
5°	2102.4	2096.0	2079.0	2093.9	2091.7
7.5°	2093.9	2089.6	2070.4	2087.5	2085.4
10°	2083.2	2076.8	2059.8	2072.6	2064.1
12.5°	2068.3	2064.1	2038.5	2027.8	2010.8
15°	2049.1	2047.0	2004.4	1970.3	1949.0
17.5°	2027.8	2019.3	1959.7	1919.2	1900.0
20°	2002.3	1989.5	1910.7	1863.8	1844.7
22.5°	1972.5	1953.3	1861.7	1817.0	1797.8
25°	1936.3	1908.6	1806.3	1761.6	1750.9
27.5°	1895.8	1863.8	1755.2	1710.5	1697.7
30°	1853.2	1812.7	1697.7	1655.1	1631.6
32.5°	1799.9	1761.6	1642.3	1593.3	1567.7
35°	1748.8	1701.9	1584.8	1523.0	1497.5
37.5°	1687.0	1640.2	1518.8	1457.0	1427.2
40°	1621.0	1574.1	1454.9	1382.4	1344.1
42.5°	1548.6	1506.0	1384.6	1297.2	1222.7
45°	1467.6	1431.4	1310.0	1180.1	1028.8
47.5°	1393.1	1359.0	1235.5	1067.2	911.7
50°	1314.3	1282.3	1158.8	960.7	832.9
52.5°	1226.9	1203.5	1075.7	869.1	766.8
55°	1143.9	1126.8	992.6	788.1	707.2
57.5°	1056.5	1039.5	909.5	711.5	647.5
60°	975.6	958.5	826.5	643.3	592.2
62.5°	894.6	871.2	745.5	577.3	534.7
65°	805.2	786.0	660.3	513.4	485.7
67.5°	715.7	698.7	581.5	453.7	434.5
70°	626.2	611.3	500.6	396.2	385.5
72.5°	538.9	519.7	428.1	338.7	334.4
75°	447.3	432.4	347.2	276.9	268.4
77.5°	360.0	347.2	272.7	210.9	204.5
80°	274.8	262.0	196.0	153.4	159.8
82.5°	202.4	185.3	132.1	119.3	125.7
85°	123.5	108.6	85.2	80.9	80.9
87.5°	42.6	40.5	38.3	44.7	46.9
90°	6.4	29.8	51.1	63.9	68.2
92.5°	36.2	53.3	70.3	83.1	87.3
95°	68.2	91.6	104.4	153.4	166.1
97.5°	93.7	121.4	136.3	181.1	193.8
100°	119.3	144.8	191.7	215.1	230.0
102.5°	140.6	159.8	225.8	272.7	281.2
105°	159.8	166.1	238.6	319.5	338.7



TEST NUMBER: P520571

CATALOG NUMBER: 4WSLA-200-L935-UPL15-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	191.7	170.4	255.6	347.2	381.3
115°	198.1	168.3	253.5	349.3	383.4
117.5°	198.1	168.3	247.1	349.3	383.4
120°	193.8	170.4	238.6	345.1	381.3
122.5°	189.6	166.1	230.0	336.6	372.8
125°	183.2	161.9	219.4	321.6	362.1
127.5°	172.5	166.1	208.7	302.5	342.9
130°	164.0	168.3	196.0	283.3	323.8
132.5°	157.6	164.0	183.2	262.0	298.2
135°	149.1	161.9	176.8	238.6	274.8
137.5°	142.7	155.5	166.1	217.3	247.1
140°	136.3	151.2	155.5	189.6	215.1
142.5°	127.8	144.8	147.0	176.8	187.4
145°	121.4	140.6	153.4	164.0	174.7
147.5°	115.0	132.1	149.1	151.2	161.9
150°	112.9	123.5	142.7	144.8	149.1
152.5°	110.8	119.3	132.1	144.8	147.0
155°	110.8	117.2	125.7	136.3	138.5
157.5°	108.6	117.2	121.4	129.9	132.1
160°	108.6	115.0	119.3	125.7	127.8
162.5°	108.6	115.0	117.2	123.5	125.7
165°	108.6	112.9	117.2	121.4	121.4
167.5°	108.6	112.9	115.0	119.3	119.3
170°	108.6	110.8	115.0	117.2	117.2
172.5°	106.5	110.8	112.9	117.2	117.2
175°	106.5	108.6	110.8	112.9	115.0
177.5°	102.2	108.6	110.8	112.9	110.8
180°	104.4	104.4	104.4	104.4	104.4



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	174.7	168.3	247.1	336.6	364.2
110°	185.3	170.4	253.5	342.9	377.0



(END OF REPORT)