

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: P520739

Luminaire Tested: **8WSLA-200-L935-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

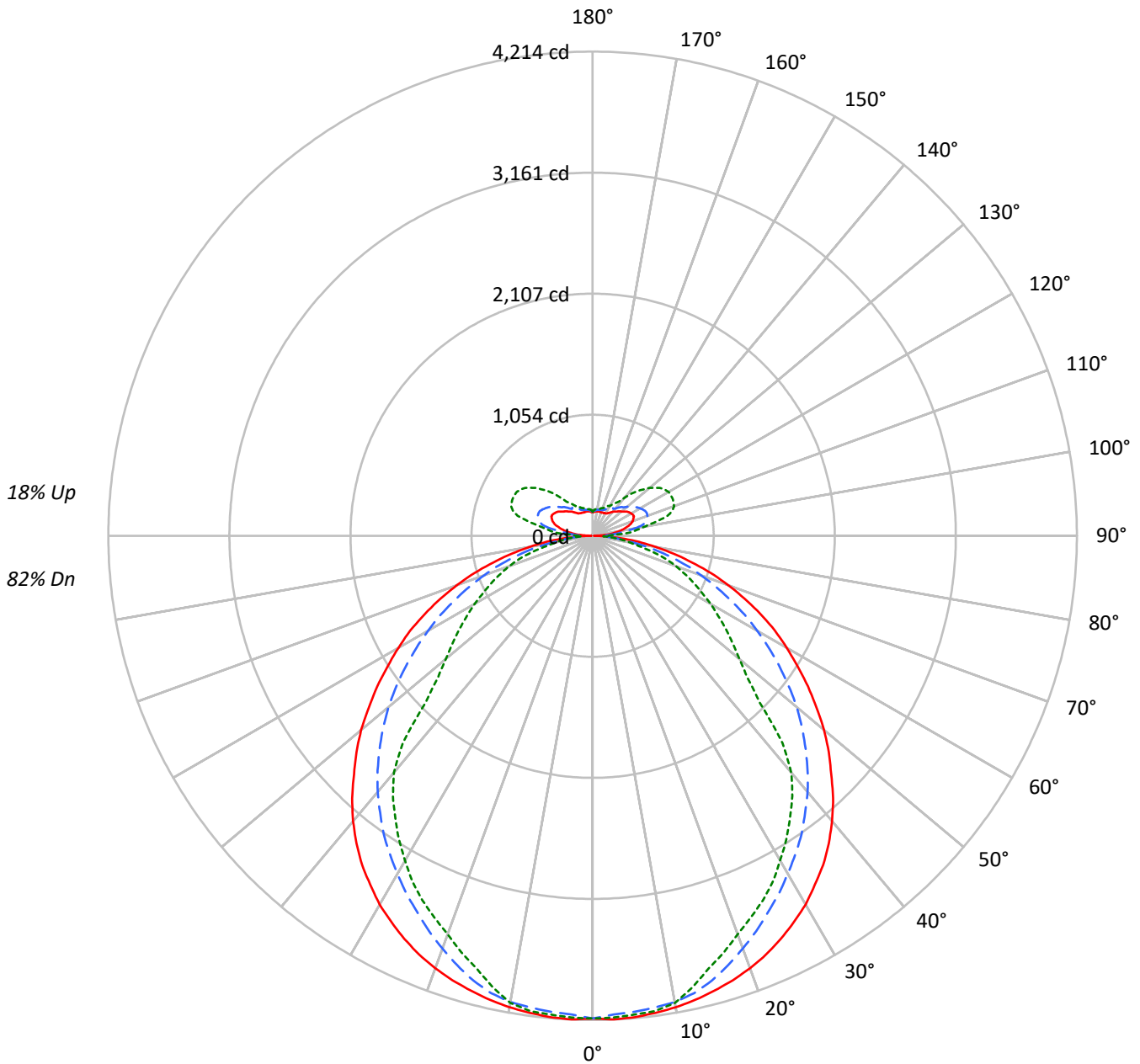
Test Method: LM-79-08  
Report Number: P520739  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-200-L935-UPL15-UNV-U  
Description: 8 FOOT, 4000 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: 13605.0 lumens  
Efficiency: N/A  
Efficacy: 89.3 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): 152.3  
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	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°	11359	11232	11302
10°	11386	11258	11281
15°	11418	11169	10861
20°	11469	10944	10566
25°	11499	10727	10398
30°	11517	10551	10141
35°	11491	10413	9839
40°	11389	10222	9444
45°	11171	9971	7831
50°	11005	9703	6974
55°	10734	9315	6636
60°	10502	8897	6374
65°	10255	8410	6185
70°	9855	7877	6067
75°	9302	7221	5581
80°	8517	6075	4951
85°	7629	5261	4999



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	398.1	2.9
10°-20°	1130.9	8.3
20°-30°	1687.8	12.4
30°-40°	2011.1	14.8
40°-50°	2000.4	14.7
50°-60°	1714.4	12.6
60°-70°	1291.2	9.5
70°-80°	747.8	5.5
80°-90°	224.7	1.7
90°-100°	241.3	1.8
100°-110°	495.5	3.6
110°-120°	523.9	3.9
120°-130°	437.1	3.2
130°-140°	305.3	2.2
140°-150°	190.0	1.4
150°-160°	117.8	0.9
160°-170°	66.3	0.5
170°-180°	21.4	0.2
0°-30°	3216.9	23.6
0°-40°	5228.0	38.4
0°-60°	8942.8	65.7
0°-90°	11206.4	82.4
90°-120°	1260.6	9.3
90°-150°	2193.0	16.1
90°-180°	2399.0	17.6
0°-180°	13605.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4201	4201	4201	4201	4201	
5°	4205	4192	4158	4188	4184	400
15°	4099	4094	4009	3941	3898	1158
25°	3873	3817	3613	3523	3502	1786
35°	3498	3404	3170	3046	2995	2185
45°	2936	2863	2620	2360	2058	2269
55°	2288	2254	1985	1576	1414	2045
65°	1610	1572	1321	1027	971	1592
75°	895	865	694	554	537	948
85°	247	217	170	162	162	264
90°	13	60	102	128	136	25
95°	136	183	209	307	332	130
105°	320	332	477	639	677	331
115°	396	337	507	699	767	386
125°	366	324	439	643	724	325
135°	298	324	354	477	550	233
145°	243	281	307	328	349	154
155°	222	234	251	273	277	102
165°	217	226	234	243	243	62
175°	213	217	222	226	230	20
180°	209	209	209	209	209	



TEST NUMBER: P520739

CATALOG NUMBER: 8WSLA-200-L935-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4200.8	4200.8	4200.8	4200.8	4200.8
2.5°	4213.6	4205.1	4171.0	4205.1	4196.6
5°	4205.1	4192.3	4158.2	4188.1	4183.8
7.5°	4188.1	4179.5	4141.2	4175.3	4171.0
10°	4166.8	4154.0	4119.9	4145.5	4128.4
12.5°	4136.9	4128.4	4077.3	4056.0	4021.9
15°	4098.6	4094.3	4009.1	3941.0	3898.4
17.5°	4056.0	4038.9	3919.7	3838.7	3800.4
20°	4004.9	3979.3	3821.7	3727.9	3689.6
22.5°	3945.2	3906.9	3723.7	3634.2	3595.9
25°	3872.8	3817.4	3612.9	3523.4	3502.1
27.5°	3791.8	3727.9	3510.6	3421.2	3395.6
30°	3706.6	3625.7	3395.6	3310.4	3263.5
32.5°	3600.1	3523.4	3284.8	3186.8	3135.7
35°	3497.9	3404.1	3169.8	3046.3	2995.1
37.5°	3374.3	3280.6	3037.7	2914.2	2854.5
40°	3242.2	3148.5	2909.9	2765.1	2688.4
42.5°	3097.4	3012.2	2769.3	2594.6	2445.5
45°	2935.5	2863.1	2620.2	2360.3	2057.8
47.5°	2786.4	2718.2	2471.1	2134.5	1823.5
50°	2628.7	2564.8	2317.7	1921.5	1665.9
52.5°	2454.0	2407.2	2151.5	1738.3	1533.8
55°	2287.9	2253.8	1985.4	1576.4	1414.5
57.5°	2113.2	2079.1	1819.2	1423.0	1295.2
60°	1951.3	1917.2	1653.1	1286.7	1184.4
62.5°	1789.4	1742.5	1491.2	1154.6	1069.4
65°	1610.5	1572.1	1320.8	1026.8	971.4
67.5°	1431.5	1397.4	1163.1	907.5	869.1
70°	1252.6	1222.8	1001.2	792.5	771.1
72.5°	1077.9	1039.6	856.4	677.4	668.9
75°	894.7	864.9	694.5	553.9	536.8
77.5°	720.0	694.5	545.3	421.8	409.0
80°	549.6	524.0	392.0	306.8	319.5
82.5°	404.7	370.7	264.2	238.6	251.4
85°	247.1	217.3	170.4	161.9	161.9
87.5°	85.2	80.9	76.7	89.5	93.7
90°	12.8	59.6	102.3	127.8	136.3
92.5°	72.4	106.5	140.6	166.2	174.7
95°	136.3	183.2	208.8	306.8	332.3
97.5°	187.5	242.8	272.7	362.1	387.7
100°	238.6	289.7	383.4	430.3	460.1
102.5°	281.2	319.5	451.6	545.3	562.4
105°	319.5	332.3	477.2	639.1	677.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	383.4	340.8	511.3	694.5	762.6
115°	396.2	336.6	507.0	698.7	766.9
117.5°	396.2	336.6	494.2	698.7	766.9
120°	387.7	340.8	477.2	690.2	762.6
122.5°	379.2	332.3	460.1	673.2	745.6
125°	366.4	323.8	438.8	643.3	724.3
127.5°	345.1	332.3	417.5	605.0	685.9
130°	328.1	336.6	392.0	566.6	647.6
132.5°	315.3	328.1	366.4	524.0	596.5
135°	298.2	323.8	353.6	477.2	549.6
137.5°	285.5	311.0	332.3	434.6	494.2
140°	272.7	302.5	311.0	379.2	430.3
142.5°	255.6	289.7	294.0	353.6	374.9
145°	242.8	281.2	306.8	328.1	349.4
147.5°	230.1	264.2	298.2	302.5	323.8
150°	225.8	247.1	285.5	289.7	298.2
152.5°	221.5	238.6	264.2	289.7	294.0
155°	221.5	234.3	251.4	272.7	276.9
157.5°	217.3	234.3	242.8	259.9	264.2
160°	217.3	230.1	238.6	251.4	255.6
162.5°	217.3	230.1	234.3	247.1	251.4
165°	217.3	225.8	234.3	242.8	242.8
167.5°	217.3	225.8	230.1	238.6	238.6
170°	217.3	221.5	230.1	234.3	234.3
172.5°	213.0	221.5	225.8	234.3	234.3
175°	213.0	217.3	221.5	225.8	230.1
177.5°	204.5	217.3	221.5	225.8	221.5
180°	208.8	208.8	208.8	208.8	208.8



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	349.4	336.6	494.2	673.2	728.5
110°	370.7	340.8	507.0	685.9	754.1



(END OF REPORT)