

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: P520737

Luminaire Tested: **8WSLA-200-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520737  
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: 8WSLA-200-L930-UPL8-UNV-U  
Description: 8 FOOT, 4000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

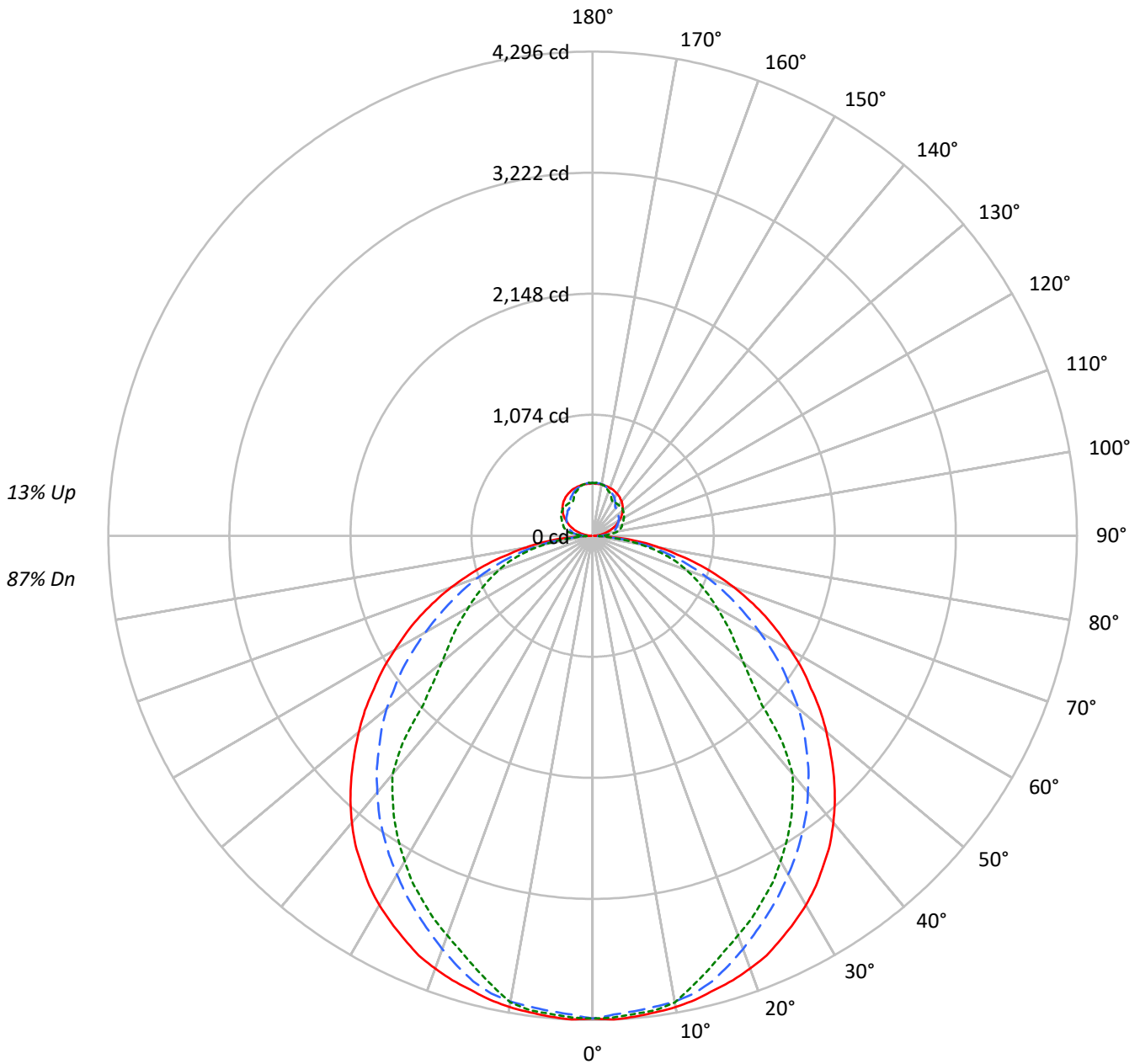
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13331.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.17 / 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

TEST NUMBER: P520737

CATALOG NUMBER: 8WSLA-200-L930-UPL8-UNV-U

### Luminous Intensity Polar Plot





TEST NUMBER: P520737

CATALOG NUMBER: 8WSLA-200-L930-UPL8-UNV-U

**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°	11527	11527	11527
5°	11571	11438	11504
10°	11604	11469	11486
15°	11624	11401	11092
20°	11702	11172	10802
25°	11730	10962	10596
30°	11759	10782	10361
35°	11723	10630	10083
40°	11670	10436	9700
45°	11517	10203	8092
50°	11327	9985	7302
55°	11104	9658	7027
60°	10914	9221	6833
65°	10753	8830	6828
70°	10475	8486	6935
75°	9997	8074	6985
80°	9360	7259	6495
85°	8565	5138	4378



TEST NUMBER: P520737

CATALOG NUMBER: 8WSLA-200-L930-UPL8-UNV-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.5	3.0
10°-20°	1152.9	8.6
20°-30°	1722.7	12.9
30°-40°	2056.4	15.4
40°-50°	2056.6	15.4
50°-60°	1779.8	13.4
60°-70°	1366.1	10.2
70°-80°	837.1	6.3
80°-90°	235.7	1.8
90°-100°	133.2	1.0
100°-110°	211.4	1.6
110°-120°	247.2	1.9
120°-130°	266.8	2.0
130°-140°	262.9	2.0
140°-150°	232.6	1.7
150°-160°	191.4	1.4
160°-170°	128.1	1.0
170°-180°	44.6	0.3
0°-30°	3281.1	24.6
0°-40°	5337.5	40.0
0°-60°	9173.9	68.8
0°-90°	11612.7	87.1
90°-120°	591.8	4.4
90°-150°	1354.1	10.2
90°-180°	1718.0	12.9
0°-180°	13331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4284	4284	4284	4284	4284	
5°	4284	4271	4234	4265	4259	408
15°	4173	4166	4092	4018	3982	1180
25°	3951	3901	3692	3593	3569	1823
35°	3569	3476	3236	3119	3069	2235
45°	3026	2940	2681	2441	2126	2334
55°	2367	2311	2059	1646	1498	2122
65°	1689	1627	1387	1116	1072	1668
75°	962	912	777	672	672	1014
85°	277	228	166	142	142	290
90°	12	43	68	86	92	19
95°	49	105	142	148	148	49
105°	142	148	210	246	259	149
115°	234	197	246	284	302	229
125°	314	253	284	327	339	280
135°	376	339	314	345	364	290
145°	419	401	351	345	358	261
155°	444	438	413	394	388	205
165°	456	462	450	450	450	130
175°	462	468	468	475	475	44
180°	468	468	468	468	468	



TEST NUMBER: P520737

CATALOG NUMBER: 8WSLA-200-L930-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4283.6	4283.6	4283.6	4283.6	4283.6
2.5°	4295.9	4283.6	4252.7	4283.6	4277.4
5°	4283.6	4271.2	4234.3	4265.1	4258.9
7.5°	4265.1	4252.7	4215.8	4252.7	4246.6
10°	4246.6	4234.3	4197.3	4221.9	4203.4
12.5°	4215.8	4203.4	4160.3	4129.5	4092.5
15°	4172.6	4166.5	4092.5	4018.5	3981.6
17.5°	4135.6	4117.2	4000.0	3913.8	3870.6
20°	4086.3	4055.5	3901.4	3802.8	3772.0
22.5°	4030.9	3981.6	3796.7	3704.2	3679.6
25°	3950.7	3901.4	3691.9	3593.3	3568.6
27.5°	3870.6	3809.0	3587.1	3488.5	3463.8
30°	3784.3	3698.0	3470.0	3377.5	3334.4
32.5°	3685.7	3599.4	3359.1	3254.3	3205.0
35°	3568.6	3476.2	3235.8	3118.7	3069.4
37.5°	3457.7	3359.1	3112.5	2983.1	2915.3
40°	3322.1	3223.5	2970.8	2829.0	2761.2
42.5°	3180.3	3087.9	2835.2	2662.6	2496.2
45°	3026.2	2939.9	2681.1	2440.7	2126.4
47.5°	2866.0	2792.0	2539.3	2212.7	1910.7
50°	2705.7	2631.8	2385.2	1996.9	1744.2
52.5°	2545.5	2483.9	2212.7	1818.2	1608.6
55°	2366.7	2311.3	2058.6	1645.6	1497.7
57.5°	2206.5	2151.0	1879.8	1503.9	1380.6
60°	2027.8	1978.5	1713.4	1362.1	1269.7
62.5°	1861.3	1805.9	1547.0	1238.8	1171.0
65°	1688.8	1627.1	1386.8	1115.6	1072.4
67.5°	1510.0	1448.4	1232.7	1004.6	980.0
70°	1331.3	1282.0	1078.6	893.7	881.4
72.5°	1146.4	1090.9	924.5	788.9	788.9
75°	961.5	912.2	776.6	671.8	671.8
77.5°	770.4	745.8	622.5	548.5	554.7
80°	604.0	573.2	468.4	419.1	419.1
82.5°	443.8	406.8	314.3	277.4	289.7
85°	277.4	228.0	166.4	141.8	141.8
87.5°	86.3	67.8	49.3	55.5	55.5
90°	12.3	43.1	67.8	86.3	92.5
92.5°	30.8	80.1	98.6	117.1	123.3
95°	49.3	104.8	141.8	147.9	147.9
97.5°	67.8	117.1	172.6	197.2	197.2
100°	92.5	123.3	184.9	221.9	228.0
102.5°	117.1	135.6	197.2	234.2	246.5
105°	141.8	147.9	209.6	246.5	258.9



TEST NUMBER: P520737

CATALOG NUMBER: 8WSLA-200-L930-UPL8-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	209.6	184.9	234.2	277.4	289.7
115°	234.2	197.2	246.5	283.5	302.0
117.5°	252.7	215.7	258.9	295.8	308.2
120°	271.2	228.0	265.0	308.2	320.5
122.5°	295.8	240.4	277.4	314.3	332.8
125°	314.3	252.7	283.5	326.7	339.0
127.5°	332.8	277.4	289.7	332.8	345.2
130°	345.2	302.0	295.8	339.0	351.3
132.5°	363.6	320.5	302.0	345.2	357.5
135°	376.0	339.0	314.3	345.2	363.6
137.5°	388.3	357.5	314.3	345.2	357.5
140°	400.6	376.0	320.5	345.2	357.5
142.5°	406.8	388.3	326.7	345.2	357.5
145°	419.1	400.6	351.3	345.2	357.5
147.5°	425.3	412.9	369.8	345.2	357.5
150°	431.4	425.3	388.3	351.3	351.3
152.5°	437.6	431.4	400.6	376.0	363.6
155°	443.8	437.6	412.9	394.5	388.3
157.5°	449.9	449.9	425.3	412.9	406.8
160°	449.9	456.1	437.6	425.3	419.1
162.5°	456.1	462.3	443.8	437.6	431.4
165°	456.1	462.3	449.9	449.9	449.9
167.5°	462.3	468.4	462.3	456.1	456.1
170°	462.3	468.4	462.3	462.3	462.3
172.5°	462.3	468.4	468.4	468.4	468.4
175°	462.3	468.4	468.4	474.6	474.6
177.5°	462.3	468.4	468.4	468.4	468.4
180°	468.4	468.4	468.4	468.4	468.4



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	166.4	160.2	215.7	258.9	271.2
110°	184.9	172.6	228.0	265.0	277.4



(END OF REPORT)