

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: P520716

Luminaire Tested: **8WSLA-175-L935-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520716  
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-175-L935-UPL8-UNV-U  
Description: 8 FOOT, 3500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

**Summary**

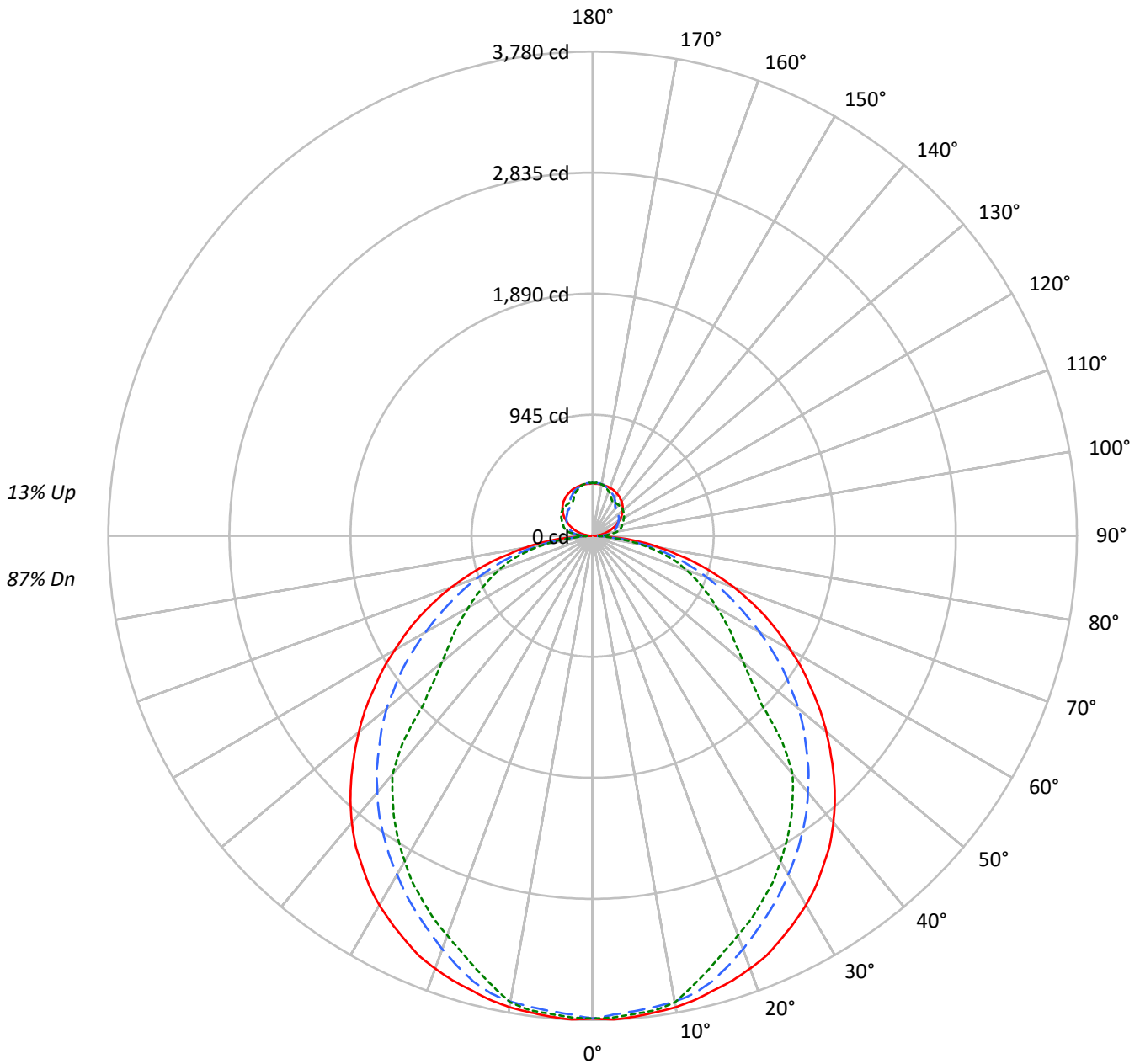
Lumens per Lamp: N/A  
Luminaire Lumens: 11730.0 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 119  
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: P520716

CATALOG NUMBER: 8WSLA-175-L935-UPL8-UNV-U

### 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°	10143	10143	10143
5°	10181	10064	10123
10°	10210	10092	10106
15°	10228	10032	9760
20°	10297	9831	9505
25°	10322	9645	9323
30°	10347	9487	9117
35°	10315	9353	8872
40°	10268	9183	8535
45°	10134	8978	7120
50°	9967	8786	6425
55°	9770	8498	6183
60°	9602	8114	6013
65°	9462	7769	6008
70°	9216	7467	6102
75°	8796	7104	6146
80°	8237	6388	5715
85°	7534	4520	3850



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.8	3.0
10°-20°	1014.4	8.6
20°-30°	1515.8	12.9
30°-40°	1809.4	15.4
40°-50°	1809.6	15.4
50°-60°	1566.1	13.4
60°-70°	1202.1	10.2
70°-80°	736.6	6.3
80°-90°	207.4	1.8
90°-100°	117.2	1.0
100°-110°	186.0	1.6
110°-120°	217.5	1.9
120°-130°	234.8	2.0
130°-140°	231.3	2.0
140°-150°	204.7	1.7
150°-160°	168.4	1.4
160°-170°	112.7	1.0
170°-180°	39.3	0.3
0°-30°	2887.0	24.6
0°-40°	4696.4	40.0
0°-60°	8072.1	68.8
0°-90°	10218.1	87.1
90°-120°	520.7	4.4
90°-150°	1191.5	10.2
90°-180°	1512.0	12.9
0°-180°	11730.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3769	3769	3769	3769	3769	
5°	3769	3758	3726	3753	3747	359
15°	3672	3666	3601	3536	3503	1039
25°	3476	3433	3248	3162	3140	1604
35°	3140	3059	2847	2744	2701	1966
45°	2663	2587	2359	2148	1871	2053
55°	2082	2034	1811	1448	1318	1867
65°	1486	1432	1220	982	944	1468
75°	846	803	683	591	591	892
85°	244	201	146	125	125	255
90°	11	38	60	76	81	17
95°	43	92	125	130	130	43
105°	125	130	184	217	228	131
115°	206	174	217	250	266	201
125°	277	222	250	287	298	246
135°	331	298	277	304	320	255
145°	369	352	309	304	314	230
155°	390	385	363	347	342	180
165°	401	407	396	396	396	114
175°	407	412	412	418	418	39
180°	412	412	412	412	412	



TEST NUMBER: P520716

CATALOG NUMBER: 8WSLA-175-L935-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3769.1	3769.1	3769.1	3769.1	3769.1
2.5°	3780.0	3769.1	3742.0	3769.1	3763.7
5°	3769.1	3758.3	3725.7	3752.9	3747.4
7.5°	3752.9	3742.0	3709.5	3742.0	3736.6
10°	3736.6	3725.7	3693.2	3714.9	3698.6
12.5°	3709.5	3698.6	3660.7	3633.5	3601.0
15°	3671.5	3666.1	3601.0	3535.9	3503.4
17.5°	3639.0	3622.7	3519.7	3443.7	3405.8
20°	3595.6	3568.5	3432.9	3346.1	3319.0
22.5°	3546.8	3503.4	3340.7	3259.3	3237.7
25°	3476.3	3432.9	3248.5	3161.7	3140.0
27.5°	3405.8	3351.5	3156.3	3069.5	3047.8
30°	3329.8	3253.9	3053.3	2971.9	2934.0
32.5°	3243.1	3167.1	2955.6	2863.5	2820.1
35°	3140.0	3058.7	2847.2	2744.1	2700.8
37.5°	3042.4	2955.6	2738.7	2624.8	2565.2
40°	2923.1	2836.3	2614.0	2489.2	2429.6
42.5°	2798.4	2717.0	2494.7	2342.8	2196.4
45°	2662.8	2586.9	2359.1	2147.6	1871.0
47.5°	2521.8	2456.7	2234.4	1946.9	1681.2
50°	2380.8	2315.7	2098.8	1757.1	1534.8
52.5°	2239.8	2185.6	1946.9	1599.8	1415.5
55°	2082.5	2033.7	1811.3	1448.0	1317.8
57.5°	1941.5	1892.7	1654.1	1323.3	1214.8
60°	1784.2	1740.8	1507.7	1198.5	1117.2
62.5°	1637.8	1589.0	1361.2	1090.1	1030.4
65°	1486.0	1431.7	1220.2	981.6	943.6
67.5°	1328.7	1274.5	1084.6	884.0	862.3
70°	1171.4	1128.0	949.1	786.4	775.5
72.5°	1008.7	959.9	813.5	694.2	694.2
75°	846.0	802.6	683.3	591.1	591.1
77.5°	677.9	656.2	547.7	482.7	488.1
80°	531.5	504.4	412.2	368.8	368.8
82.5°	390.5	357.9	276.6	244.0	254.9
85°	244.0	200.7	146.4	124.7	124.7
87.5°	75.9	59.7	43.4	48.8	48.8
90°	10.8	38.0	59.7	75.9	81.3
92.5°	27.1	70.5	86.8	103.0	108.5
95°	43.4	92.2	124.7	130.2	130.2
97.5°	59.7	103.0	151.8	173.5	173.5
100°	81.3	108.5	162.7	195.2	200.7
102.5°	103.0	119.3	173.5	206.1	216.9
105°	124.7	130.2	184.4	216.9	227.8



TEST NUMBER: P520716

CATALOG NUMBER: 8WSLA-175-L935-UPL8-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	184.4	162.7	206.1	244.0	254.9
115°	206.1	173.5	216.9	249.5	265.7
117.5°	222.4	189.8	227.8	260.3	271.2
120°	238.6	200.7	233.2	271.2	282.0
122.5°	260.3	211.5	244.0	276.6	292.9
125°	276.6	222.4	249.5	287.4	298.3
127.5°	292.9	244.0	254.9	292.9	303.7
130°	303.7	265.7	260.3	298.3	309.1
132.5°	320.0	282.0	265.7	303.7	314.5
135°	330.8	298.3	276.6	303.7	320.0
137.5°	341.7	314.5	276.6	303.7	314.5
140°	352.5	330.8	282.0	303.7	314.5
142.5°	357.9	341.7	287.4	303.7	314.5
145°	368.8	352.5	309.1	303.7	314.5
147.5°	374.2	363.4	325.4	303.7	314.5
150°	379.6	374.2	341.7	309.1	309.1
152.5°	385.0	379.6	352.5	330.8	320.0
155°	390.5	385.0	363.4	347.1	341.7
157.5°	395.9	395.9	374.2	363.4	357.9
160°	395.9	401.3	385.0	374.2	368.8
162.5°	401.3	406.7	390.5	385.0	379.6
165°	401.3	406.7	395.9	395.9	395.9
167.5°	406.7	412.2	406.7	401.3	401.3
170°	406.7	412.2	406.7	406.7	406.7
172.5°	406.7	412.2	412.2	412.2	412.2
175°	406.7	412.2	412.2	417.6	417.6
177.5°	406.7	412.2	412.2	412.2	412.2
180°	412.2	412.2	412.2	412.2	412.2



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	146.4	141.0	189.8	227.8	238.6
110°	162.7	151.8	200.7	233.2	244.0



(END OF REPORT)