

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: P520736

Luminaire Tested: **8WSLA-200-L930-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520736  
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-L930-UPL15-UNV-U  
Description: 8 FOOT, 4000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

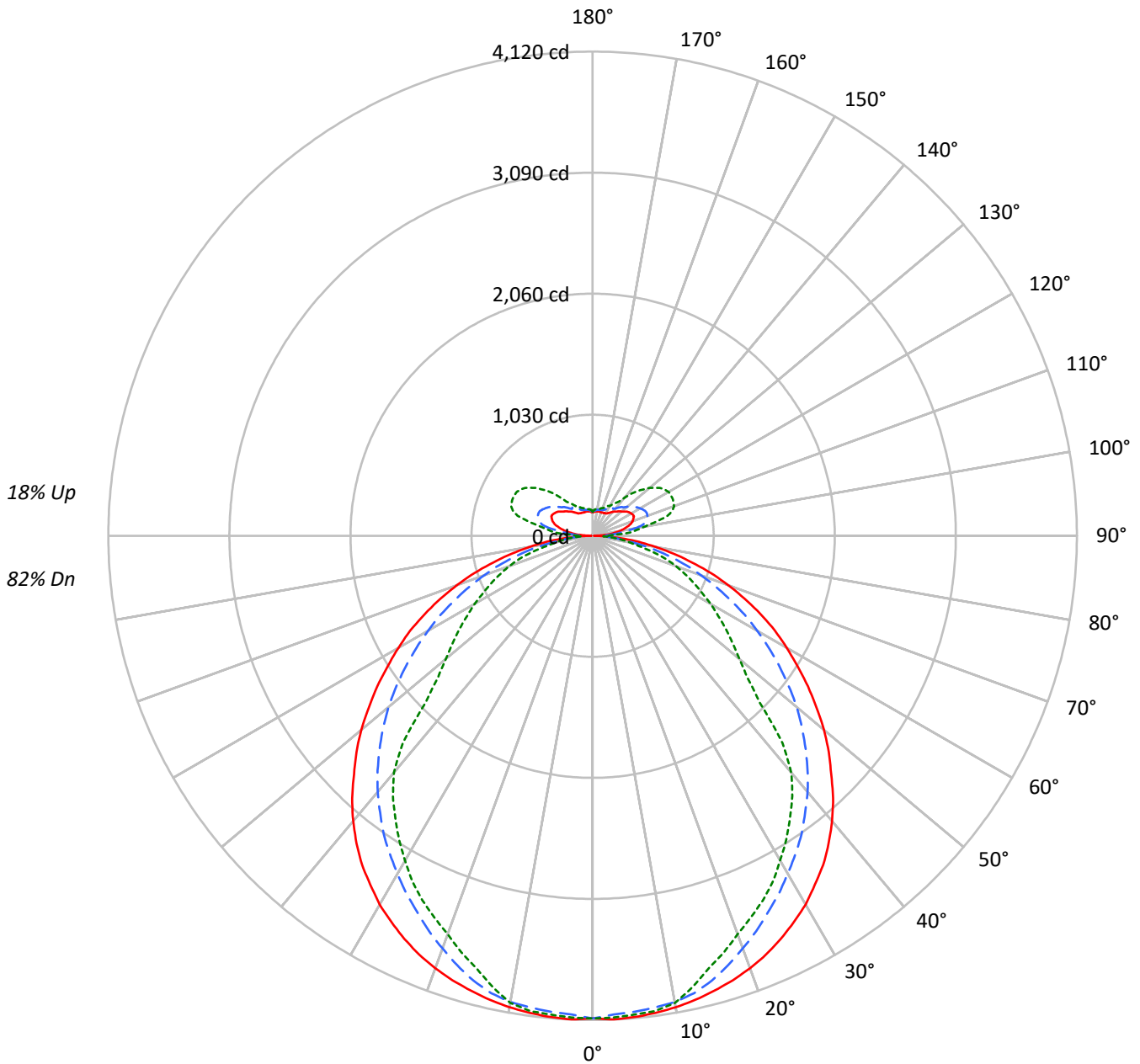
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13301.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 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°	11052	11052	11052
5°	11105	10981	11049
10°	11131	11006	11029
15°	11163	10919	10618
20°	11212	10700	10330
25°	11242	10488	10166
30°	11260	10315	9914
35°	11234	10180	9619
40°	11135	9994	9233
45°	10922	9749	7656
50°	10759	9486	6818
55°	10494	9106	6488
60°	10267	8698	6232
65°	10025	8222	6047
70°	9635	7701	5932
75°	9094	7059	5456
80°	8326	5938	4841
85°	7460	5144	4888



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.3	2.9
10°-20°	1105.7	8.3
20°-30°	1650.1	12.4
30°-40°	1966.1	14.8
40°-50°	1955.7	14.7
50°-60°	1676.1	12.6
60°-70°	1262.3	9.5
70°-80°	731.1	5.5
80°-90°	219.7	1.7
90°-100°	235.9	1.8
100°-110°	484.4	3.6
110°-120°	512.2	3.9
120°-130°	427.3	3.2
130°-140°	298.5	2.2
140°-150°	185.8	1.4
150°-160°	115.2	0.9
160°-170°	64.9	0.5
170°-180°	20.9	0.2
0°-30°	3145.0	23.6
0°-40°	5111.2	38.4
0°-60°	8742.9	65.7
0°-90°	10956.0	82.4
90°-120°	1232.5	9.3
90°-150°	2144.1	16.1
90°-180°	2345.0	17.6
0°-180°	13301.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4107	4107	4107	4107	4107	
5°	4111	4099	4065	4094	4090	391
15°	4007	4003	3920	3853	3811	1132
25°	3786	3732	3532	3445	3424	1746
35°	3420	3328	3099	2978	2928	2136
45°	2870	2799	2562	2308	2012	2219
55°	2237	2203	1941	1541	1383	2000
65°	1574	1537	1291	1004	950	1556
75°	875	846	679	542	525	927
85°	242	212	167	158	158	258
90°	12	58	100	125	133	25
95°	133	179	204	300	325	127
105°	312	325	466	625	662	324
115°	387	329	496	683	750	377
125°	358	317	429	629	708	318
135°	292	317	346	466	537	228
145°	237	275	300	321	342	151
155°	217	229	246	267	271	100
165°	212	221	229	237	237	60
175°	208	212	217	221	225	20
180°	204	204	204	204	204	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4107.0	4107.0	4107.0	4107.0	4107.0
2.5°	4119.5	4111.1	4077.8	4111.1	4102.8
5°	4111.1	4098.6	4065.3	4094.5	4090.3
7.5°	4094.5	4086.2	4048.7	4082.0	4077.8
10°	4073.7	4061.2	4027.8	4052.8	4036.2
12.5°	4044.5	4036.2	3986.2	3965.4	3932.0
15°	4007.0	4002.8	3919.5	3852.9	3811.2
17.5°	3965.4	3948.7	3832.1	3752.9	3715.4
20°	3915.4	3890.4	3736.3	3644.6	3607.1
22.5°	3857.1	3819.6	3640.5	3553.0	3515.5
25°	3786.3	3732.1	3532.2	3444.7	3423.9
27.5°	3707.1	3644.6	3432.2	3344.7	3319.7
30°	3623.8	3544.7	3319.7	3236.4	3190.6
32.5°	3519.7	3444.7	3211.4	3115.6	3065.7
35°	3419.7	3328.1	3099.0	2978.2	2928.2
37.5°	3298.9	3207.3	2969.9	2849.1	2790.7
40°	3169.8	3078.2	2844.9	2703.3	2628.3
42.5°	3028.2	2944.9	2707.4	2536.7	2390.9
45°	2869.9	2799.1	2561.7	2307.6	2011.8
47.5°	2724.1	2657.5	2415.9	2086.8	1782.7
50°	2570.0	2507.5	2265.9	1878.5	1628.6
52.5°	2399.2	2353.4	2103.5	1699.4	1499.5
55°	2236.8	2203.4	1941.0	1541.2	1382.9
57.5°	2066.0	2032.7	1778.6	1391.2	1266.2
60°	1907.7	1874.4	1616.1	1257.9	1158.0
62.5°	1749.4	1703.6	1457.9	1128.8	1045.5
65°	1574.5	1537.0	1291.2	1003.8	949.7
67.5°	1399.5	1366.2	1137.1	887.2	849.7
70°	1224.6	1195.4	978.8	774.7	753.9
72.5°	1053.8	1016.3	837.2	662.3	654.0
75°	874.7	845.6	678.9	541.5	524.8
77.5°	703.9	678.9	533.2	412.4	399.9
80°	537.3	512.3	383.2	299.9	312.4
82.5°	395.7	362.4	258.2	233.3	245.8
85°	241.6	212.4	166.6	158.3	158.3
87.5°	83.3	79.1	75.0	87.5	91.6
90°	12.5	58.3	100.0	125.0	133.3
92.5°	70.8	104.1	137.5	162.4	170.8
95°	133.3	179.1	204.1	299.9	324.9
97.5°	183.3	237.4	266.6	354.0	379.0
100°	233.3	283.2	374.9	420.7	449.9
102.5°	274.9	312.4	441.5	533.2	549.8
105°	312.4	324.9	466.5	624.8	662.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	374.9	333.2	499.8	678.9	745.6
115°	387.4	329.1	495.7	683.1	749.8
117.5°	387.4	329.1	483.2	683.1	749.8
120°	379.0	333.2	466.5	674.8	745.6
122.5°	370.7	324.9	449.9	658.1	728.9
125°	358.2	316.6	429.0	629.0	708.1
127.5°	337.4	324.9	408.2	591.5	670.6
130°	320.7	329.1	383.2	554.0	633.1
132.5°	308.2	320.7	358.2	512.3	583.1
135°	291.6	316.6	345.7	466.5	537.3
137.5°	279.1	304.1	324.9	424.9	483.2
140°	266.6	295.7	304.1	370.7	420.7
142.5°	249.9	283.2	287.4	345.7	366.5
145°	237.4	274.9	299.9	320.7	341.6
147.5°	224.9	258.2	291.6	295.7	316.6
150°	220.8	241.6	279.1	283.2	291.6
152.5°	216.6	233.3	258.2	283.2	287.4
155°	216.6	229.1	245.8	266.6	270.7
157.5°	212.4	229.1	237.4	254.1	258.2
160°	212.4	224.9	233.3	245.8	249.9
162.5°	212.4	224.9	229.1	241.6	245.8
165°	212.4	220.8	229.1	237.4	237.4
167.5°	212.4	220.8	224.9	233.3	233.3
170°	212.4	216.6	224.9	229.1	229.1
172.5°	208.3	216.6	220.8	229.1	229.1
175°	208.3	212.4	216.6	220.8	224.9
177.5°	199.9	212.4	216.6	220.8	216.6
180°	204.1	204.1	204.1	204.1	204.1



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	341.6	329.1	483.2	658.1	712.3
110°	362.4	333.2	495.7	670.6	737.3



(END OF REPORT)