

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: P520688

Luminaire Tested: **8WSLA-150-L930-UPL15-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520688
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-150-L930-UPL15-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

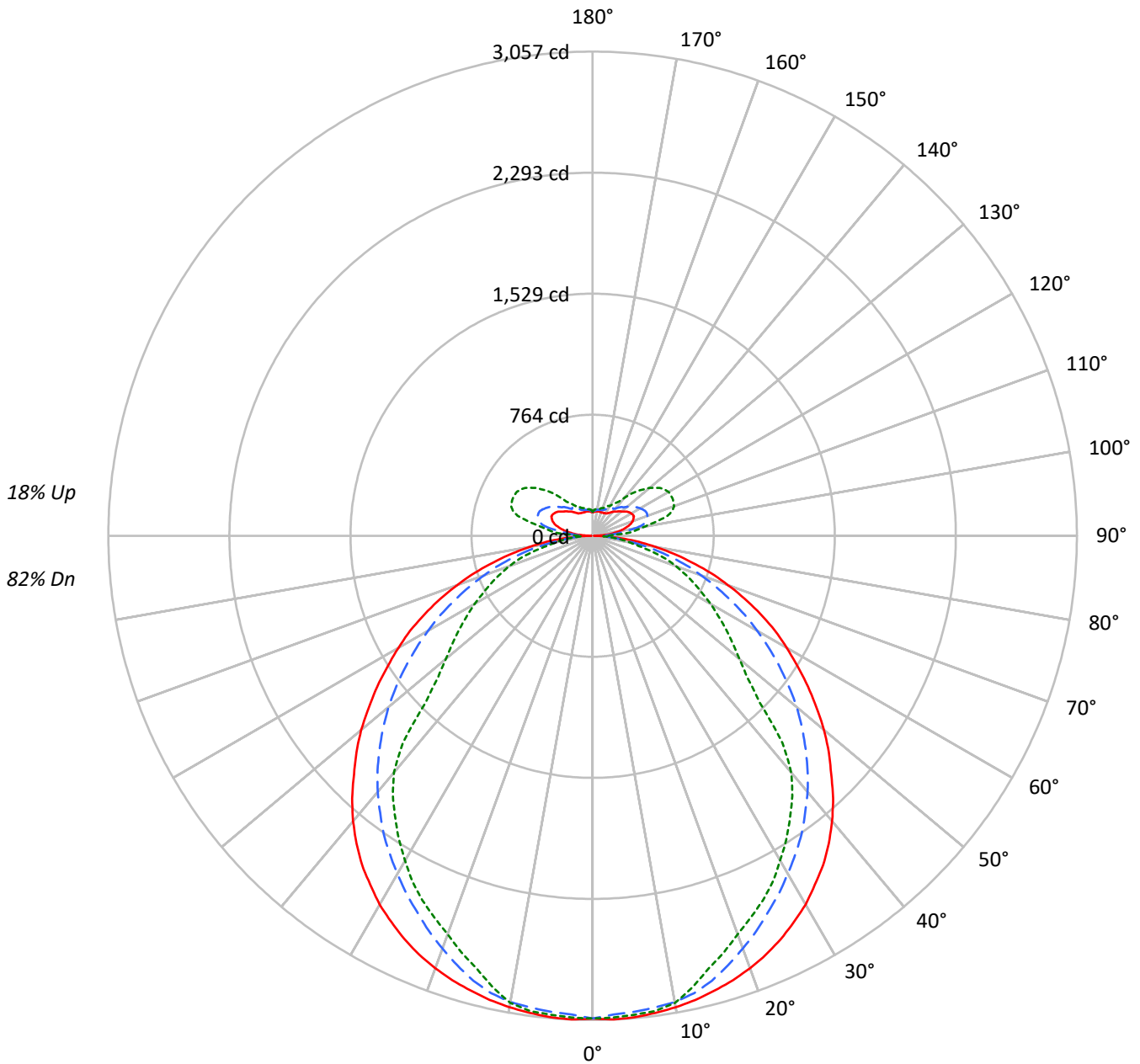
Lumens per Lamp: N/A
Luminaire Lumens: 9870.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 93.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	8201	8201	8201
5°	8241	8149	8199
10°	8260	8167	8184
15°	8284	8103	7879
20°	8320	7940	7665
25°	8342	7782	7544
30°	8355	7654	7357
35°	8336	7554	7138
40°	8263	7416	6851
45°	8104	7234	5681
50°	7984	7039	5059
55°	7787	6757	4814
60°	7619	6455	4625
65°	7439	6101	4487
70°	7150	5715	4401
75°	6749	5238	4049
80°	6179	4407	3592
85°	5536	3816	3628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	2.9
10°-20°	820.5	8.3
20°-30°	1224.5	12.4
30°-40°	1459.0	14.8
40°-50°	1451.2	14.7
50°-60°	1243.7	12.6
60°-70°	936.7	9.5
70°-80°	542.5	5.5
80°-90°	163.0	1.7
90°-100°	175.0	1.8
100°-110°	359.5	3.6
110°-120°	380.1	3.9
120°-130°	317.1	3.2
130°-140°	221.5	2.2
140°-150°	137.9	1.4
150°-160°	85.5	0.9
160°-170°	48.1	0.5
170°-180°	15.5	0.2
0°-30°	2333.8	23.6
0°-40°	3792.8	38.4
0°-60°	6487.7	65.7
0°-90°	8129.9	82.4
90°-120°	914.6	9.3
90°-150°	1591.0	16.1
90°-180°	1740.0	17.6
0°-180°	9870.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3048	3048	3048	3048	3048	
5°	3051	3041	3017	3038	3035	290
15°	2973	2970	2908	2859	2828	840
25°	2810	2769	2621	2556	2541	1295
35°	2538	2470	2300	2210	2173	1585
45°	2130	2077	1901	1712	1493	1646
55°	1660	1635	1440	1144	1026	1484
65°	1168	1140	958	745	705	1155
75°	649	627	504	402	389	688
85°	179	158	124	118	118	191
90°	9	43	74	93	99	18
95°	99	133	152	222	241	95
105°	232	241	346	464	491	240
115°	287	244	368	507	556	280
125°	266	235	318	467	525	236
135°	216	235	256	346	399	169
145°	176	204	222	238	254	112
155°	161	170	182	198	201	74
165°	158	164	170	176	176	45
175°	154	158	161	164	167	15
180°	152	152	152	152	152	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3047.6	3047.6	3047.6	3047.6	3047.6
2.5°	3056.9	3050.7	3025.9	3050.7	3044.5
5°	3050.7	3041.4	3016.7	3038.3	3035.2
7.5°	3038.3	3032.1	3004.3	3029.0	3025.9
10°	3022.9	3013.6	2988.9	3007.4	2995.0
12.5°	3001.2	2995.0	2957.9	2942.5	2917.8
15°	2973.4	2970.3	2908.5	2859.0	2828.1
17.5°	2942.5	2930.1	2843.6	2784.9	2757.0
20°	2905.4	2886.9	2772.5	2704.5	2676.7
22.5°	2862.1	2834.3	2701.4	2636.5	2608.7
25°	2809.6	2769.4	2621.0	2556.1	2540.7
27.5°	2750.9	2704.5	2546.9	2482.0	2463.4
30°	2689.0	2630.3	2463.4	2401.6	2367.6
32.5°	2611.8	2556.1	2383.0	2312.0	2274.9
35°	2537.6	2469.6	2299.6	2210.0	2172.9
37.5°	2448.0	2380.0	2203.8	2114.1	2070.9
40°	2352.1	2284.1	2111.1	2006.0	1950.3
42.5°	2247.1	2185.2	2009.1	1882.3	1774.2
45°	2129.6	2077.1	1900.9	1712.3	1492.9
47.5°	2021.4	1972.0	1792.7	1548.5	1322.9
50°	1907.1	1860.7	1681.4	1394.0	1208.5
52.5°	1780.3	1746.3	1560.9	1261.1	1112.7
55°	1659.8	1635.1	1440.3	1143.6	1026.2
57.5°	1533.1	1508.3	1319.8	1032.3	939.6
60°	1415.6	1390.9	1199.3	933.4	859.3
62.5°	1298.2	1264.2	1081.8	837.6	775.8
65°	1168.3	1140.5	958.2	744.9	704.7
67.5°	1038.5	1013.8	843.8	658.4	630.5
70°	908.7	887.1	726.4	574.9	559.4
72.5°	782.0	754.2	621.3	491.4	485.3
75°	649.1	627.4	503.8	401.8	389.4
77.5°	522.4	503.8	395.6	306.0	296.7
80°	398.7	380.2	284.4	222.5	231.8
82.5°	293.6	268.9	191.6	173.1	182.4
85°	179.3	157.6	123.6	117.5	117.5
87.5°	61.8	58.7	55.6	64.9	68.0
90°	9.3	43.3	74.2	92.7	98.9
92.5°	52.5	77.3	102.0	120.5	126.7
95°	98.9	132.9	151.5	222.5	241.1
97.5°	136.0	176.2	197.8	262.7	281.3
100°	173.1	210.2	278.2	312.2	333.8
102.5°	204.0	231.8	327.6	395.6	408.0
105°	231.8	241.1	346.2	463.6	491.4



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CATALOG NUMBER: 8WSLA-150-L930-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	278.2	247.3	370.9	503.8	553.3
115°	287.4	244.2	367.8	506.9	556.4
117.5°	287.4	244.2	358.5	506.9	556.4
120°	281.3	247.3	346.2	500.7	553.3
122.5°	275.1	241.1	333.8	488.4	540.9
125°	265.8	234.9	318.4	466.7	525.4
127.5°	250.4	241.1	302.9	438.9	497.6
130°	238.0	244.2	284.4	411.1	469.8
132.5°	228.7	238.0	265.8	380.2	432.7
135°	216.4	234.9	256.5	346.2	398.7
137.5°	207.1	225.6	241.1	315.3	358.5
140°	197.8	219.5	225.6	275.1	312.2
142.5°	185.5	210.2	213.3	256.5	272.0
145°	176.2	204.0	222.5	238.0	253.5
147.5°	166.9	191.6	216.4	219.5	234.9
150°	163.8	179.3	207.1	210.2	216.4
152.5°	160.7	173.1	191.6	210.2	213.3
155°	160.7	170.0	182.4	197.8	200.9
157.5°	157.6	170.0	176.2	188.5	191.6
160°	157.6	166.9	173.1	182.4	185.5
162.5°	157.6	166.9	170.0	179.3	182.4
165°	157.6	163.8	170.0	176.2	176.2
167.5°	157.6	163.8	166.9	173.1	173.1
170°	157.6	160.7	166.9	170.0	170.0
172.5°	154.5	160.7	163.8	170.0	170.0
175°	154.5	157.6	160.7	163.8	166.9
177.5°	148.4	157.6	160.7	163.8	160.7
180°	151.5	151.5	151.5	151.5	151.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	253.5	244.2	358.5	488.4	528.5
110°	268.9	247.3	367.8	497.6	547.1



(END OF REPORT)