

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: P520692

Luminaire Tested: **8WSLA-150-L935-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520692
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-150-L935-UPL8-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

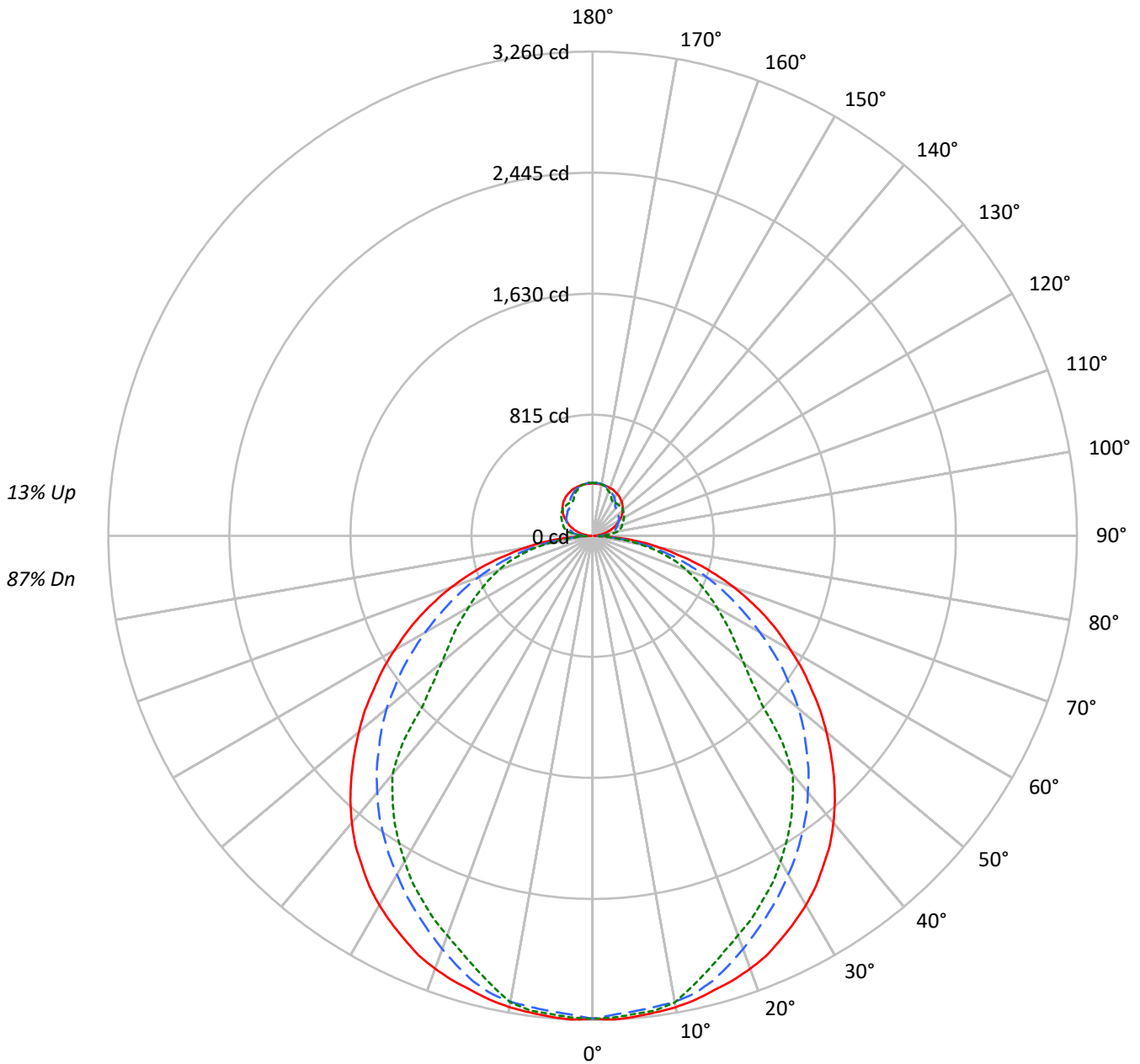
Lumens per Lamp: N/A
Luminaire Lumens: 10118.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 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	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°	8749	8749	8749
5°	8782	8681	8732
10°	8807	8705	8717
15°	8823	8653	8419
20°	8882	8480	8198
25°	8903	8320	8042
30°	8925	8184	7864
35°	8898	8068	7653
40°	8857	7921	7362
45°	8741	7744	6142
50°	8597	7579	5542
55°	8427	7330	5333
60°	8283	6999	5187
65°	8161	6702	5183
70°	7950	6441	5263
75°	7588	6128	5302
80°	7104	5509	4930
85°	6499	3900	3322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.8	3.0
10°-20°	875.0	8.6
20°-30°	1307.5	12.9
30°-40°	1560.7	15.4
40°-50°	1560.9	15.4
50°-60°	1350.9	13.4
60°-70°	1036.9	10.2
70°-80°	635.3	6.3
80°-90°	178.9	1.8
90°-100°	101.1	1.0
100°-110°	160.5	1.6
110°-120°	187.6	1.9
120°-130°	202.5	2.0
130°-140°	199.6	2.0
140°-150°	176.5	1.7
150°-160°	145.3	1.4
160°-170°	97.2	1.0
170°-180°	33.9	0.3
0°-30°	2490.3	24.6
0°-40°	4051.0	40.0
0°-60°	6962.8	68.8
0°-90°	8813.9	87.1
90°-120°	449.1	4.4
90°-150°	1027.8	10.2
90°-180°	1304.0	12.9
0°-180°	10118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3251	3251	3251	3251	3251	
5°	3251	3242	3214	3237	3232	309
15°	3167	3162	3106	3050	3022	896
25°	2998	2961	2802	2727	2708	1383
35°	2708	2638	2456	2367	2330	1696
45°	2297	2231	2035	1852	1614	1771
55°	1796	1754	1562	1249	1137	1610
65°	1282	1235	1052	847	814	1266
75°	730	692	589	510	510	770
85°	210	173	126	108	108	220
90°	9	33	52	66	70	15
95°	37	80	108	112	112	37
105°	108	112	159	187	196	113
115°	178	150	187	215	229	174
125°	239	192	215	248	257	213
135°	285	257	239	262	276	220
145°	318	304	267	262	271	198
155°	337	332	313	299	295	155
165°	346	351	342	342	342	98
175°	351	356	356	360	360	33
180°	356	356	356	356	356	



TEST NUMBER: P520692

CATALOG NUMBER: 8WSLA-150-L935-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3251.2	3251.2	3251.2	3251.2	3251.2
2.5°	3260.5	3251.2	3227.8	3251.2	3246.5
5°	3251.2	3241.8	3213.7	3237.1	3232.4
7.5°	3237.1	3227.8	3199.7	3227.8	3223.1
10°	3223.1	3213.7	3185.7	3204.4	3190.3
12.5°	3199.7	3190.3	3157.6	3134.2	3106.1
15°	3166.9	3162.3	3106.1	3050.0	3021.9
17.5°	3138.9	3124.8	3036.0	2970.5	2937.7
20°	3101.5	3078.1	2961.1	2886.3	2862.9
22.5°	3059.4	3021.9	2881.6	2811.4	2792.7
25°	2998.5	2961.1	2802.1	2727.2	2708.5
27.5°	2937.7	2891.0	2722.5	2647.7	2629.0
30°	2872.2	2806.7	2633.7	2563.5	2530.8
32.5°	2797.4	2731.9	2549.5	2469.9	2432.5
35°	2708.5	2638.3	2455.9	2367.0	2329.6
37.5°	2624.3	2549.5	2362.3	2264.1	2212.7
40°	2521.4	2446.6	2254.8	2147.2	2095.7
42.5°	2413.8	2343.6	2151.8	2020.9	1894.6
45°	2296.9	2231.4	2034.9	1852.5	1613.9
47.5°	2175.2	2119.1	1927.3	1679.4	1450.2
50°	2053.6	1997.5	1810.4	1515.6	1323.9
52.5°	1932.0	1885.2	1679.4	1380.0	1220.9
55°	1796.3	1754.2	1562.4	1249.0	1136.7
57.5°	1674.7	1632.6	1426.8	1141.4	1047.9
60°	1539.0	1501.6	1300.5	1033.8	963.7
62.5°	1412.7	1370.6	1174.2	940.3	888.8
65°	1281.7	1235.0	1052.5	846.7	814.0
67.5°	1146.1	1099.3	935.6	762.5	743.8
70°	1010.4	973.0	818.6	678.3	668.9
72.5°	870.1	828.0	701.7	598.8	598.8
75°	729.8	692.3	589.4	509.9	509.9
77.5°	584.7	566.0	472.5	416.3	421.0
80°	458.4	435.0	355.5	318.1	318.1
82.5°	336.8	308.7	238.6	210.5	219.9
85°	210.5	173.1	126.3	107.6	107.6
87.5°	65.5	51.5	37.4	42.1	42.1
90°	9.4	32.7	51.5	65.5	70.2
92.5°	23.4	60.8	74.8	88.9	93.6
95°	37.4	79.5	107.6	112.3	112.3
97.5°	51.5	88.9	131.0	149.7	149.7
100°	70.2	93.6	140.3	168.4	173.1
102.5°	88.9	102.9	149.7	177.8	187.1
105°	107.6	112.3	159.0	187.1	196.5



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CATALOG NUMBER: 8WSLA-150-L935-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	159.0	140.3	177.8	210.5	219.9
115°	177.8	149.7	187.1	215.2	229.2
117.5°	191.8	163.7	196.5	224.5	233.9
120°	205.8	173.1	201.2	233.9	243.3
122.5°	224.5	182.4	210.5	238.6	252.6
125°	238.6	191.8	215.2	247.9	257.3
127.5°	252.6	210.5	219.9	252.6	262.0
130°	262.0	229.2	224.5	257.3	266.6
132.5°	276.0	243.3	229.2	262.0	271.3
135°	285.4	257.3	238.6	262.0	276.0
137.5°	294.7	271.3	238.6	262.0	271.3
140°	304.1	285.4	243.3	262.0	271.3
142.5°	308.7	294.7	247.9	262.0	271.3
145°	318.1	304.1	266.6	262.0	271.3
147.5°	322.8	313.4	280.7	262.0	271.3
150°	327.5	322.8	294.7	266.6	266.6
152.5°	332.1	327.5	304.1	285.4	276.0
155°	336.8	332.1	313.4	299.4	294.7
157.5°	341.5	341.5	322.8	313.4	308.7
160°	341.5	346.2	332.1	322.8	318.1
162.5°	346.2	350.8	336.8	332.1	327.5
165°	346.2	350.8	341.5	341.5	341.5
167.5°	350.8	355.5	350.8	346.2	346.2
170°	350.8	355.5	350.8	350.8	350.8
172.5°	350.8	355.5	355.5	355.5	355.5
175°	350.8	355.5	355.5	360.2	360.2
177.5°	350.8	355.5	355.5	355.5	355.5
180°	355.5	355.5	355.5	355.5	355.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	126.3	121.6	163.7	196.5	205.8
110°	140.3	131.0	173.1	201.2	210.5



(END OF REPORT)