

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: P520764

Luminaire Tested: **8WSLA-50-L935-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520764
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-50-L935-UPL8-UNV-U
Description: 8 FOOT, 1000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

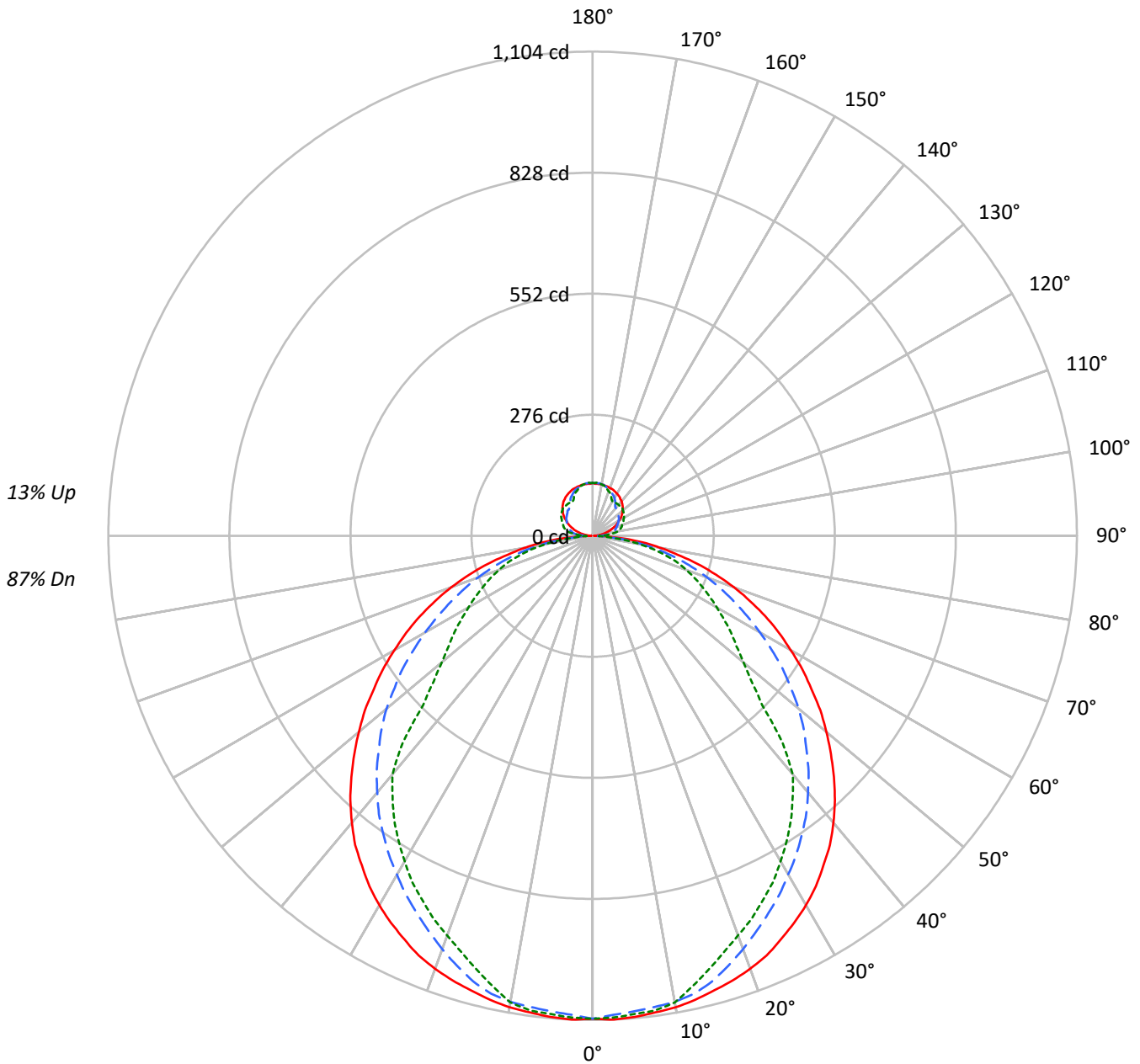
Lumens per Lamp: N/A
Luminaire Lumens: 3427.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 30.5
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°	2963	2963	2963
5°	2975	2940	2957
10°	2983	2948	2953
15°	2988	2931	2851
20°	3008	2872	2777
25°	3015	2818	2724
30°	3023	2772	2664
35°	3014	2733	2592
40°	3000	2683	2493
45°	2961	2623	2080
50°	2912	2567	1877
55°	2854	2483	1806
60°	2806	2371	1757
65°	2764	2270	1755
70°	2692	2182	1783
75°	2570	2075	1796
80°	2407	1866	1669
85°	2201	1321	1124



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	3.0
10°-20°	296.4	8.6
20°-30°	442.8	12.9
30°-40°	528.6	15.4
40°-50°	528.7	15.4
50°-60°	457.5	13.4
60°-70°	351.2	10.2
70°-80°	215.2	6.3
80°-90°	60.6	1.8
90°-100°	34.2	1.0
100°-110°	54.3	1.6
110°-120°	63.5	1.9
120°-130°	68.6	2.0
130°-140°	67.6	2.0
140°-150°	59.8	1.7
150°-160°	49.2	1.4
160°-170°	32.9	1.0
170°-180°	11.5	0.3
0°-30°	843.5	24.6
0°-40°	1372.1	40.0
0°-60°	2358.3	68.8
0°-90°	2985.3	87.1
90°-120°	152.1	4.4
90°-150°	348.1	10.2
90°-180°	442.0	12.9
0°-180°	3427.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1101	1101	1101	1101	1101	
5°	1101	1098	1088	1096	1095	105
15°	1073	1071	1052	1033	1024	303
25°	1016	1003	949	924	917	469
35°	917	894	832	802	789	574
45°	778	756	689	627	547	600
55°	608	594	529	423	385	545
65°	434	418	356	287	276	429
75°	247	234	200	173	173	261
85°	71	59	43	36	36	75
90°	3	11	17	22	24	5
95°	13	27	36	38	38	13
105°	36	38	54	63	66	38
115°	60	51	63	73	78	59
125°	81	65	73	84	87	72
135°	97	87	81	89	94	75
145°	108	103	90	89	92	67
155°	114	112	106	101	100	53
165°	117	119	116	116	116	33
175°	119	120	120	122	122	11
180°	120	120	120	120	120	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1101.2	1101.2	1101.2	1101.2	1101.2
2.5°	1104.3	1101.2	1093.3	1101.2	1099.6
5°	1101.2	1098.0	1088.5	1096.4	1094.8
7.5°	1096.4	1093.3	1083.7	1093.3	1091.7
10°	1091.7	1088.5	1079.0	1085.3	1080.6
12.5°	1083.7	1080.6	1069.5	1061.6	1052.1
15°	1072.7	1071.1	1052.1	1033.0	1023.5
17.5°	1063.1	1058.4	1028.3	1006.1	995.0
20°	1050.5	1042.6	1002.9	977.6	969.7
22.5°	1036.2	1023.5	976.0	952.2	945.9
25°	1015.6	1002.9	949.1	923.7	917.4
27.5°	995.0	979.2	922.1	896.8	890.4
30°	972.8	950.7	892.0	868.3	857.2
32.5°	947.5	925.3	863.5	836.6	823.9
35°	917.4	893.6	831.8	801.7	789.0
37.5°	888.9	863.5	800.1	766.9	749.4
40°	854.0	828.7	763.7	727.3	709.8
42.5°	817.6	793.8	728.8	684.5	641.7
45°	778.0	755.8	689.2	627.4	546.6
47.5°	736.8	717.7	652.8	568.8	491.2
50°	695.6	676.5	613.2	513.4	448.4
52.5°	654.4	638.5	568.8	467.4	413.5
55°	608.4	594.2	529.2	423.0	385.0
57.5°	567.2	553.0	483.2	386.6	354.9
60°	521.3	508.6	440.5	350.2	326.4
62.5°	478.5	464.2	397.7	318.5	301.0
65°	434.1	418.3	356.5	286.8	275.7
67.5°	388.2	372.3	316.9	258.3	251.9
70°	342.2	329.6	277.3	229.7	226.6
72.5°	294.7	280.4	237.7	202.8	202.8
75°	247.2	234.5	199.6	172.7	172.7
77.5°	198.1	191.7	160.0	141.0	142.6
80°	155.3	147.4	120.4	107.7	107.7
82.5°	114.1	104.6	80.8	71.3	74.5
85°	71.3	58.6	42.8	36.4	36.4
87.5°	22.2	17.4	12.7	14.3	14.3
90°	3.2	11.1	17.4	22.2	23.8
92.5°	7.9	20.6	25.4	30.1	31.7
95°	12.7	26.9	36.4	38.0	38.0
97.5°	17.4	30.1	44.4	50.7	50.7
100°	23.8	31.7	47.5	57.0	58.6
102.5°	30.1	34.9	50.7	60.2	63.4
105°	36.4	38.0	53.9	63.4	66.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	53.9	47.5	60.2	71.3	74.5
115°	60.2	50.7	63.4	72.9	77.6
117.5°	65.0	55.5	66.5	76.1	79.2
120°	69.7	58.6	68.1	79.2	82.4
122.5°	76.1	61.8	71.3	80.8	85.6
125°	80.8	65.0	72.9	84.0	87.1
127.5°	85.6	71.3	74.5	85.6	88.7
130°	88.7	77.6	76.1	87.1	90.3
132.5°	93.5	82.4	77.6	88.7	91.9
135°	96.6	87.1	80.8	88.7	93.5
137.5°	99.8	91.9	80.8	88.7	91.9
140°	103.0	96.6	82.4	88.7	91.9
142.5°	104.6	99.8	84.0	88.7	91.9
145°	107.7	103.0	90.3	88.7	91.9
147.5°	109.3	106.2	95.1	88.7	91.9
150°	110.9	109.3	99.8	90.3	90.3
152.5°	112.5	110.9	103.0	96.6	93.5
155°	114.1	112.5	106.2	101.4	99.8
157.5°	115.7	115.7	109.3	106.2	104.6
160°	115.7	117.2	112.5	109.3	107.7
162.5°	117.2	118.8	114.1	112.5	110.9
165°	117.2	118.8	115.7	115.7	115.7
167.5°	118.8	120.4	118.8	117.2	117.2
170°	118.8	120.4	118.8	118.8	118.8
172.5°	118.8	120.4	120.4	120.4	120.4
175°	118.8	120.4	120.4	122.0	122.0
177.5°	118.8	120.4	120.4	120.4	120.4
180°	120.4	120.4	120.4	120.4	120.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	42.8	41.2	55.5	66.5	69.7
110°	47.5	44.4	58.6	68.1	71.3



(END OF REPORT)