

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: P520761

Luminaire Tested: **8WSLA-50-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520761
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-L930-UPL8-UNV-U
Description: 8 FOOT, 1000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

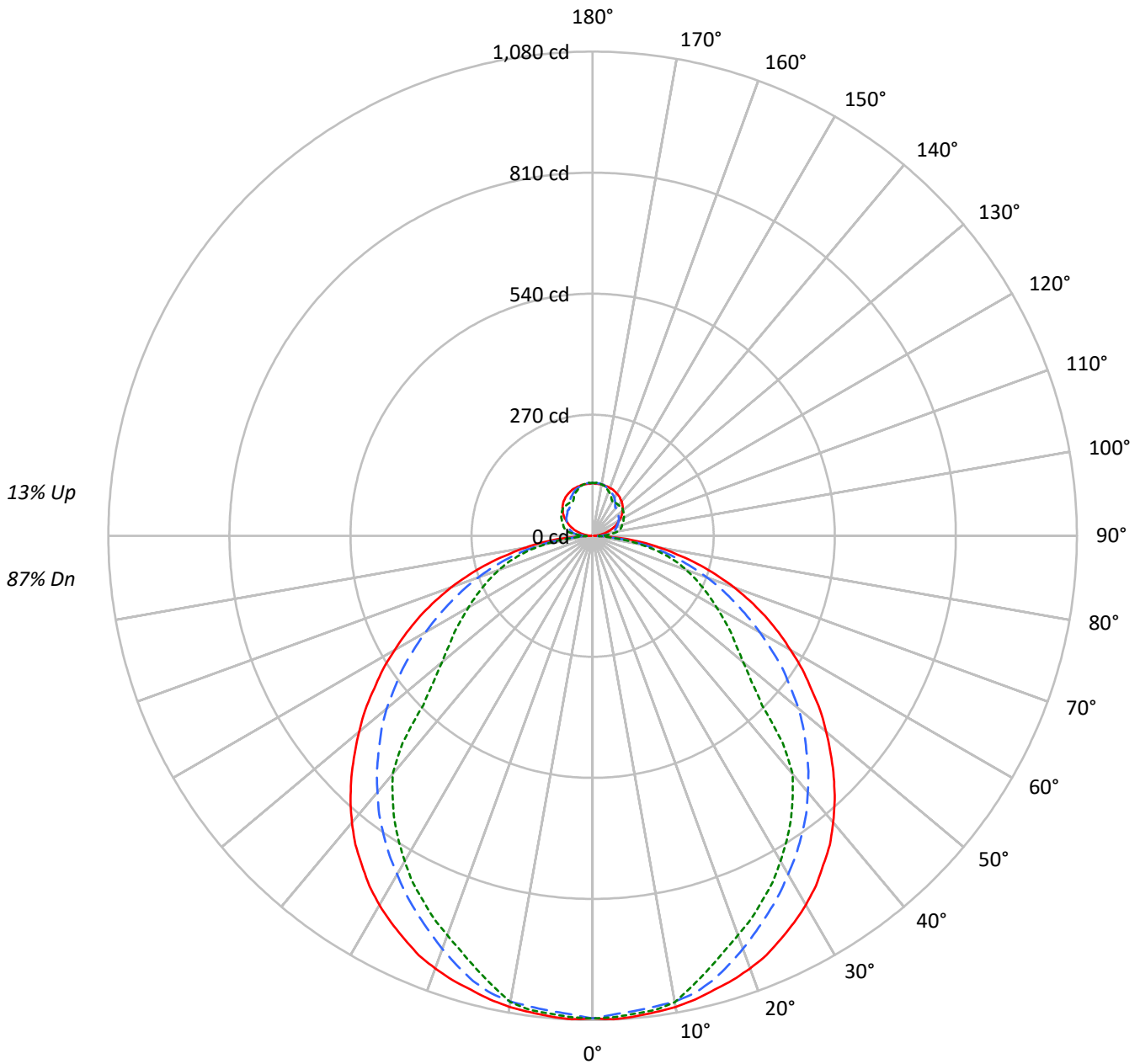
Lumens per Lamp: N/A
Luminaire Lumens: 3350.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

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°	2897	2897	2897
5°	2908	2874	2891
10°	2916	2882	2886
15°	2921	2865	2787
20°	2941	2808	2714
25°	2948	2754	2663
30°	2955	2710	2604
35°	2946	2671	2534
40°	2933	2622	2438
45°	2894	2564	2033
50°	2846	2509	1835
55°	2790	2427	1766
60°	2743	2317	1717
65°	2702	2219	1716
70°	2632	2132	1743
75°	2512	2030	1755
80°	2352	1824	1632
85°	2152	1291	1099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	3.0
10°-20°	289.7	8.6
20°-30°	432.9	12.9
30°-40°	516.8	15.4
40°-50°	516.8	15.4
50°-60°	447.3	13.4
60°-70°	343.3	10.2
70°-80°	210.3	6.3
80°-90°	59.2	1.8
90°-100°	33.5	1.0
100°-110°	53.1	1.6
110°-120°	62.1	1.9
120°-130°	67.0	2.0
130°-140°	66.1	2.0
140°-150°	58.4	1.7
150°-160°	48.1	1.4
160°-170°	32.2	1.0
170°-180°	11.2	0.3
0°-30°	824.5	24.6
0°-40°	1341.3	40.0
0°-60°	2305.3	68.8
0°-90°	2918.2	87.1
90°-120°	148.7	4.4
90°-150°	340.3	10.2
90°-180°	432.0	12.9
0°-180°	3350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1076	1076	1076	1076	1076	
5°	1076	1073	1064	1072	1070	102
15°	1049	1047	1028	1010	1000	297
25°	993	980	928	903	897	458
35°	897	874	813	784	771	562
45°	760	739	674	613	534	586
55°	595	581	517	414	376	533
65°	424	409	348	280	270	419
75°	242	229	195	169	169	255
85°	70	57	42	36	36	73
90°	3	11	17	22	23	5
95°	12	26	36	37	37	12
105°	36	37	53	62	65	37
115°	59	50	62	71	76	58
125°	79	64	71	82	85	70
135°	94	85	79	87	91	73
145°	105	101	88	87	90	66
155°	112	110	104	99	98	51
165°	115	116	113	113	113	33
175°	116	118	118	119	119	11
180°	118	118	118	118	118	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.4	1076.4	1076.4	1076.4	1076.4
2.5°	1079.5	1076.4	1068.7	1076.4	1074.9
5°	1076.4	1073.3	1064.0	1071.8	1070.2
7.5°	1071.8	1068.7	1059.4	1068.7	1067.1
10°	1067.1	1064.0	1054.8	1060.9	1056.3
12.5°	1059.4	1056.3	1045.5	1037.7	1028.4
15°	1048.6	1047.0	1028.4	1009.8	1000.5
17.5°	1039.3	1034.6	1005.2	983.5	972.7
20°	1026.9	1019.1	980.4	955.6	947.9
22.5°	1012.9	1000.5	954.1	930.8	924.6
25°	992.8	980.4	927.7	903.0	896.8
27.5°	972.7	957.2	901.4	876.6	870.4
30°	951.0	929.3	872.0	848.8	837.9
32.5°	926.2	904.5	844.1	817.8	805.4
35°	896.8	873.5	813.1	783.7	771.3
37.5°	868.9	844.1	782.2	749.6	732.6
40°	834.8	810.0	746.5	710.9	693.9
42.5°	799.2	776.0	712.5	669.1	627.3
45°	760.5	738.8	673.7	613.3	534.3
47.5°	720.2	701.6	638.1	556.0	480.1
50°	679.9	661.3	599.4	501.8	438.3
52.5°	639.7	624.2	556.0	456.9	404.2
55°	594.7	580.8	517.3	413.5	376.4
57.5°	554.5	540.5	472.4	377.9	346.9
60°	509.6	497.2	430.6	342.3	319.1
62.5°	467.7	453.8	388.8	311.3	294.3
65°	424.4	408.9	348.5	280.3	269.5
67.5°	379.5	364.0	309.8	252.5	246.3
70°	334.5	322.2	271.0	224.6	221.5
72.5°	288.1	274.1	232.3	198.2	198.2
75°	241.6	229.2	195.2	168.8	168.8
77.5°	193.6	187.4	156.4	137.8	139.4
80°	151.8	144.0	117.7	105.3	105.3
82.5°	111.5	102.2	79.0	69.7	72.8
85°	69.7	57.3	41.8	35.6	35.6
87.5°	21.7	17.0	12.4	13.9	13.9
90°	3.1	10.8	17.0	21.7	23.2
92.5°	7.7	20.1	24.8	29.4	31.0
95°	12.4	26.3	35.6	37.2	37.2
97.5°	17.0	29.4	43.4	49.6	49.6
100°	23.2	31.0	46.5	55.8	57.3
102.5°	29.4	34.1	49.6	58.9	62.0
105°	35.6	37.2	52.7	62.0	65.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	52.7	46.5	58.9	69.7	72.8
115°	58.9	49.6	62.0	71.2	75.9
117.5°	63.5	54.2	65.1	74.3	77.4
120°	68.1	57.3	66.6	77.4	80.5
122.5°	74.3	60.4	69.7	79.0	83.6
125°	79.0	63.5	71.2	82.1	85.2
127.5°	83.6	69.7	72.8	83.6	86.7
130°	86.7	75.9	74.3	85.2	88.3
132.5°	91.4	80.5	75.9	86.7	89.8
135°	94.5	85.2	79.0	86.7	91.4
137.5°	97.6	89.8	79.0	86.7	89.8
140°	100.7	94.5	80.5	86.7	89.8
142.5°	102.2	97.6	82.1	86.7	89.8
145°	105.3	100.7	88.3	86.7	89.8
147.5°	106.9	103.8	92.9	86.7	89.8
150°	108.4	106.9	97.6	88.3	88.3
152.5°	110.0	108.4	100.7	94.5	91.4
155°	111.5	110.0	103.8	99.1	97.6
157.5°	113.1	113.1	106.9	103.8	102.2
160°	113.1	114.6	110.0	106.9	105.3
162.5°	114.6	116.2	111.5	110.0	108.4
165°	114.6	116.2	113.1	113.1	113.1
167.5°	116.2	117.7	116.2	114.6	114.6
170°	116.2	117.7	116.2	116.2	116.2
172.5°	116.2	117.7	117.7	117.7	117.7
175°	116.2	117.7	117.7	119.3	119.3
177.5°	116.2	117.7	117.7	117.7	117.7
180°	117.7	117.7	117.7	117.7	117.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	41.8	40.3	54.2	65.1	68.1
110°	46.5	43.4	57.3	66.6	69.7



(END OF REPORT)