

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: P520593

Luminaire Tested: **4WSLA-50-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520593
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: 4WSLA-50-L930-UPL8-UNV-U
Description: 4 FOOT, 500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

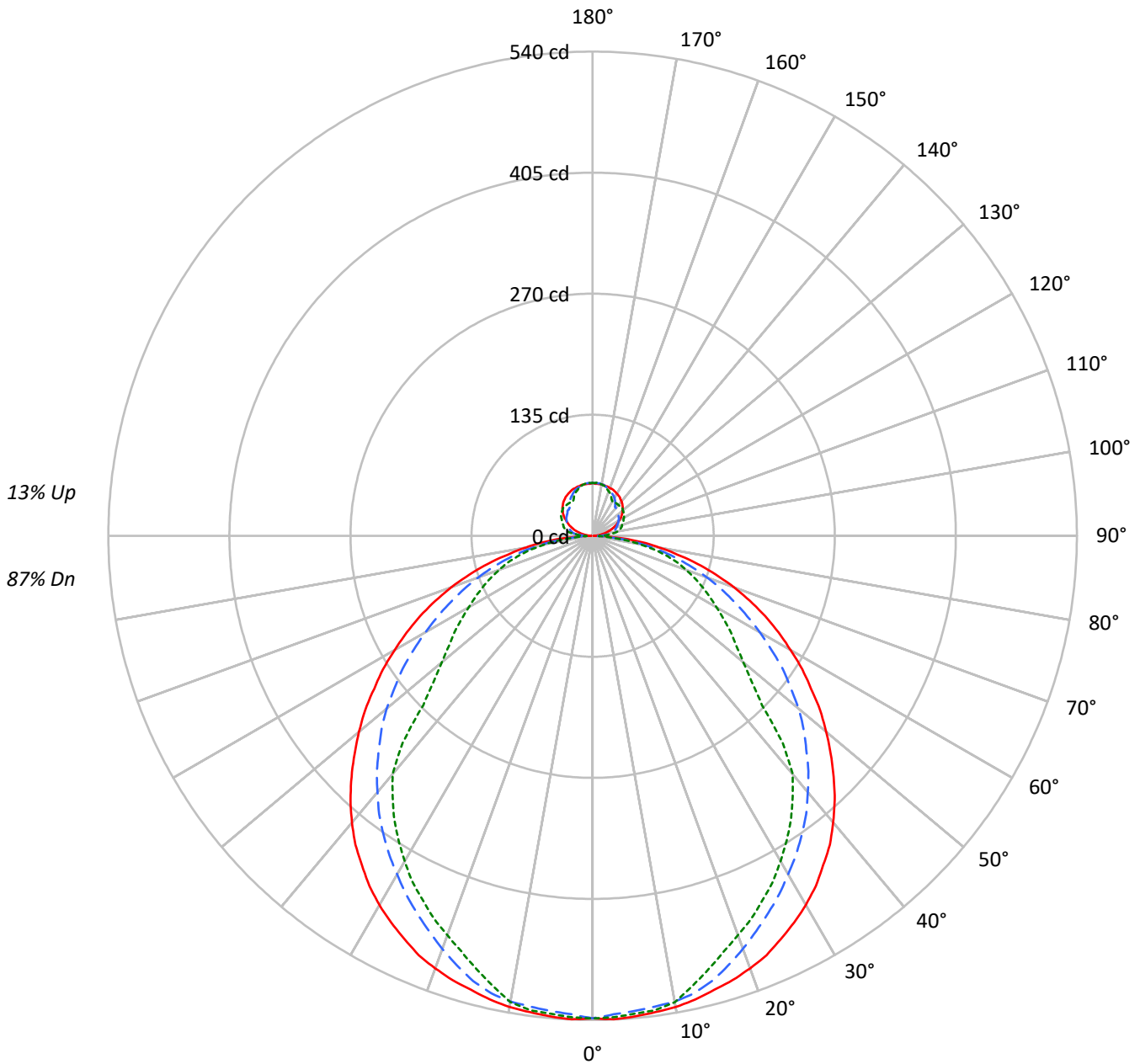
Lumens per Lamp: N/A
Luminaire Lumens: 1675.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 15.6
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°	2897	2897	2897
5°	2908	2874	2891
10°	2916	2882	2886
15°	2921	2865	2788
20°	2940	2808	2714
25°	2948	2755	2663
30°	2955	2710	2604
35°	2946	2671	2534
40°	2933	2623	2437
45°	2894	2564	2034
50°	2847	2509	1835
55°	2791	2427	1766
60°	2743	2317	1717
65°	2702	2218	1715
70°	2633	2132	1742
75°	2512	2030	1755
80°	2352	1826	1633
85°	2149	1291	1099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	3.0
10°-20°	144.9	8.6
20°-30°	216.4	12.9
30°-40°	258.4	15.4
40°-50°	258.4	15.4
50°-60°	223.6	13.4
60°-70°	171.6	10.2
70°-80°	105.2	6.3
80°-90°	29.6	1.8
90°-100°	16.7	1.0
100°-110°	26.6	1.6
110°-120°	31.0	1.9
120°-130°	33.5	2.0
130°-140°	33.0	2.0
140°-150°	29.2	1.7
150°-160°	24.0	1.4
160°-170°	16.1	1.0
170°-180°	5.6	0.3
0°-30°	412.3	24.6
0°-40°	670.6	40.0
0°-60°	1152.7	68.8
0°-90°	1459.1	87.1
90°-120°	74.3	4.4
90°-150°	170.1	10.2
90°-180°	216.0	12.9
0°-180°	1675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	538	538	538	538	538	
5°	538	537	532	536	535	51
15°	524	524	514	505	500	148
25°	496	490	464	452	448	229
35°	448	437	407	392	386	281
45°	380	369	337	307	267	293
55°	297	290	259	207	188	267
65°	212	204	174	140	135	210
75°	121	115	98	84	84	127
85°	35	29	21	18	18	36
90°	2	5	8	11	12	2
95°	6	13	18	19	19	6
105°	18	19	26	31	32	19
115°	29	25	31	36	38	29
125°	40	32	36	41	43	35
135°	47	43	40	43	46	36
145°	53	50	44	43	45	33
155°	56	55	52	50	49	26
165°	57	58	56	56	56	16
175°	58	59	59	60	60	6
180°	59	59	59	59	59	



TEST NUMBER: P520593

CATALOG NUMBER: 4WSLA-50-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	538.2	538.2	538.2	538.2	538.2
2.5°	539.8	538.2	534.3	538.2	537.4
5°	538.2	536.7	532.0	535.9	535.1
7.5°	535.9	534.3	529.7	534.3	533.6
10°	533.6	532.0	527.4	530.5	528.1
12.5°	529.7	528.1	522.7	518.9	514.2
15°	524.3	523.5	514.2	504.9	500.3
17.5°	519.6	517.3	502.6	491.8	486.3
20°	513.4	509.6	490.2	477.8	473.9
22.5°	506.5	500.3	477.0	465.4	462.3
25°	496.4	490.2	463.9	451.5	448.4
27.5°	486.3	478.6	450.7	438.3	435.2
30°	475.5	464.6	436.0	424.4	419.0
32.5°	463.1	452.3	422.1	408.9	402.7
35°	448.4	436.8	406.6	391.9	385.7
37.5°	434.4	422.1	391.1	374.8	366.3
40°	417.4	405.0	373.3	355.5	346.9
42.5°	399.6	388.0	356.2	334.5	313.6
45°	380.2	369.4	336.9	306.7	267.2
47.5°	360.1	350.8	319.1	278.0	240.1
50°	340.0	330.7	299.7	250.9	219.2
52.5°	319.8	312.1	278.0	228.5	202.1
55°	297.4	290.4	258.7	206.8	188.2
57.5°	277.2	270.3	236.2	189.0	173.5
60°	254.8	248.6	215.3	171.1	159.5
62.5°	233.9	226.9	194.4	155.7	147.1
65°	212.2	204.4	174.2	140.2	134.7
67.5°	189.7	182.0	154.9	126.2	123.1
70°	167.3	161.1	135.5	112.3	110.7
72.5°	144.0	137.1	116.2	99.1	99.1
75°	120.8	114.6	97.6	84.4	84.4
77.5°	96.8	93.7	78.2	68.9	69.7
80°	75.9	72.0	58.9	52.7	52.7
82.5°	55.8	51.1	39.5	34.8	36.4
85°	34.8	28.7	20.9	17.8	17.8
87.5°	10.8	8.5	6.2	7.0	7.0
90°	1.5	5.4	8.5	10.8	11.6
92.5°	3.9	10.1	12.4	14.7	15.5
95°	6.2	13.2	17.8	18.6	18.6
97.5°	8.5	14.7	21.7	24.8	24.8
100°	11.6	15.5	23.2	27.9	28.7
102.5°	14.7	17.0	24.8	29.4	31.0
105°	17.8	18.6	26.3	31.0	32.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.3	23.2	29.4	34.8	36.4
115°	29.4	24.8	31.0	35.6	37.9
117.5°	31.8	27.1	32.5	37.2	38.7
120°	34.1	28.7	33.3	38.7	40.3
122.5°	37.2	30.2	34.8	39.5	41.8
125°	39.5	31.8	35.6	41.0	42.6
127.5°	41.8	34.8	36.4	41.8	43.4
130°	43.4	37.9	37.2	42.6	44.1
132.5°	45.7	40.3	37.9	43.4	44.9
135°	47.2	42.6	39.5	43.4	45.7
137.5°	48.8	44.9	39.5	43.4	44.9
140°	50.3	47.2	40.3	43.4	44.9
142.5°	51.1	48.8	41.0	43.4	44.9
145°	52.7	50.3	44.1	43.4	44.9
147.5°	53.4	51.9	46.5	43.4	44.9
150°	54.2	53.4	48.8	44.1	44.1
152.5°	55.0	54.2	50.3	47.2	45.7
155°	55.8	55.0	51.9	49.6	48.8
157.5°	56.5	56.5	53.4	51.9	51.1
160°	56.5	57.3	55.0	53.4	52.7
162.5°	57.3	58.1	55.8	55.0	54.2
165°	57.3	58.1	56.5	56.5	56.5
167.5°	58.1	58.9	58.1	57.3	57.3
170°	58.1	58.9	58.1	58.1	58.1
172.5°	58.1	58.9	58.9	58.9	58.9
175°	58.1	58.9	58.9	59.6	59.6
177.5°	58.1	58.9	58.9	58.9	58.9
180°	58.9	58.9	58.9	58.9	58.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	20.9	20.1	27.1	32.5	34.1
110°	23.2	21.7	28.7	33.3	34.8



(END OF REPORT)