

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: P520784

Luminaire Tested: **8WSLA-75-L930-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520784
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-75-L930-UPL15-UNV-U
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

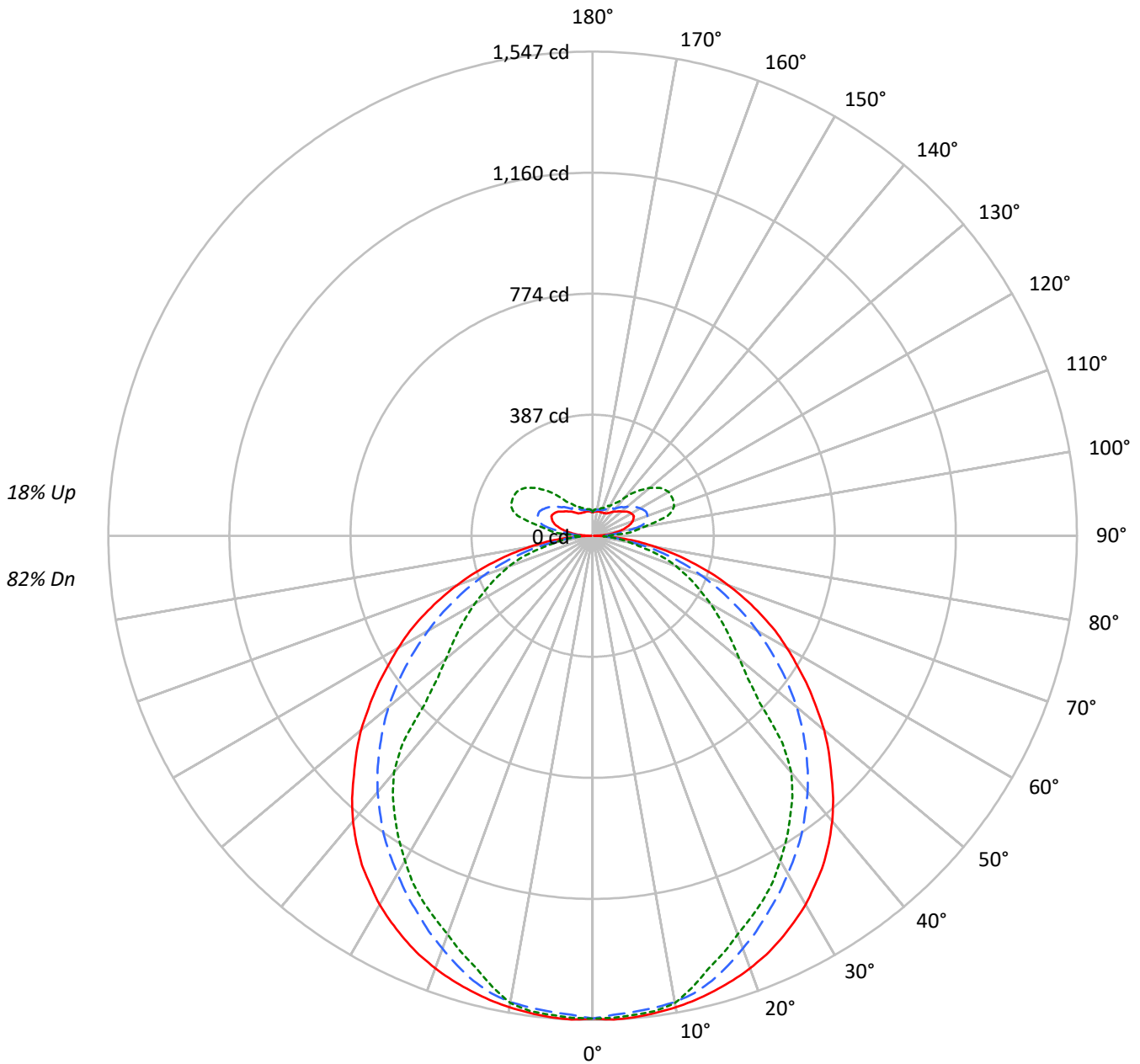
Lumens per Lamp: N/A
Luminaire Lumens: 4996.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 46.6
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				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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°	4151	4151	4151
5°	4171	4125	4150
10°	4181	4134	4142
15°	4193	4101	3988
20°	4212	4019	3880
25°	4223	3939	3818
30°	4229	3874	3724
35°	4220	3824	3613
40°	4182	3754	3468
45°	4102	3662	2876
50°	4041	3563	2561
55°	3942	3421	2437
60°	3857	3267	2341
65°	3766	3088	2271
70°	3619	2893	2228
75°	3417	2651	2049
80°	3127	2230	1818
85°	2800	1933	1837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	2.9
10°-20°	415.3	8.3
20°-30°	619.8	12.4
30°-40°	738.5	14.8
40°-50°	734.6	14.7
50°-60°	629.6	12.6
60°-70°	474.1	9.5
70°-80°	274.6	5.5
80°-90°	82.5	1.7
90°-100°	88.6	1.8
100°-110°	181.9	3.6
110°-120°	192.4	3.9
120°-130°	160.5	3.2
130°-140°	112.1	2.2
140°-150°	69.8	1.4
150°-160°	43.3	0.9
160°-170°	24.4	0.5
170°-180°	7.9	0.2
0°-30°	1181.3	23.6
0°-40°	1919.8	38.4
0°-60°	3283.9	65.7
0°-90°	4115.2	82.4
90°-120°	462.9	9.3
90°-150°	805.3	16.1
90°-180°	881.0	17.6
0°-180°	4996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1544	1540	1527	1538	1536	147
15°	1505	1504	1472	1447	1432	425
25°	1422	1402	1327	1294	1286	656
35°	1284	1250	1164	1119	1100	802
45°	1078	1051	962	867	756	833
55°	840	828	729	579	519	751
65°	591	577	485	377	357	585
75°	329	318	255	203	197	348
85°	91	80	63	60	60	97
90°	5	22	38	47	50	9
95°	50	67	77	113	122	48
105°	117	122	175	235	249	122
115°	146	124	186	257	282	142
125°	134	119	161	236	266	119
135°	110	119	130	175	202	85
145°	89	103	113	120	128	57
155°	81	86	92	100	102	38
165°	80	83	86	89	89	23
175°	78	80	81	83	84	7
180°	77	77	77	77	77	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.6	1542.6	1542.6	1542.6	1542.6
2.5°	1547.3	1544.2	1531.7	1544.2	1541.1
5°	1544.2	1539.5	1527.0	1537.9	1536.4
7.5°	1537.9	1534.8	1520.7	1533.2	1531.7
10°	1530.1	1525.4	1512.9	1522.3	1516.0
12.5°	1519.2	1516.0	1497.3	1489.4	1476.9
15°	1505.1	1503.5	1472.2	1447.2	1431.5
17.5°	1489.4	1483.2	1439.4	1409.6	1395.6
20°	1470.7	1461.3	1403.4	1369.0	1354.9
22.5°	1448.8	1434.7	1367.4	1334.5	1320.5
25°	1422.2	1401.8	1326.7	1293.9	1286.0
27.5°	1392.4	1369.0	1289.2	1256.3	1246.9
30°	1361.1	1331.4	1246.9	1215.6	1198.4
32.5°	1322.0	1293.9	1206.3	1170.3	1151.5
35°	1284.5	1250.1	1164.0	1118.6	1099.9
37.5°	1239.1	1204.7	1115.5	1070.1	1048.2
40°	1190.6	1156.2	1068.6	1015.4	987.2
42.5°	1137.4	1106.1	1016.9	952.8	898.0
45°	1078.0	1051.4	962.2	866.7	755.7
47.5°	1023.2	998.2	907.4	783.8	669.6
50°	965.3	941.8	851.1	705.6	611.7
52.5°	901.2	884.0	790.1	638.3	563.2
55°	840.2	827.6	729.1	578.9	519.4
57.5°	776.0	763.5	668.1	522.6	475.6
60°	716.6	704.0	607.0	472.5	434.9
62.5°	657.1	639.9	547.6	424.0	392.7
65°	591.4	577.3	485.0	377.1	356.7
67.5°	525.7	513.2	427.1	333.2	319.2
70°	460.0	449.0	367.7	291.0	283.2
72.5°	395.8	381.7	314.5	248.8	245.6
75°	328.6	317.6	255.0	203.4	197.1
77.5°	264.4	255.0	200.3	154.9	150.2
80°	201.8	192.4	143.9	112.6	117.3
82.5°	148.6	136.1	97.0	87.6	92.3
85°	90.7	79.8	62.6	59.5	59.5
87.5°	31.3	29.7	28.2	32.9	34.4
90°	4.7	21.9	37.5	46.9	50.1
92.5°	26.6	39.1	51.6	61.0	64.1
95°	50.1	67.3	76.7	112.6	122.0
97.5°	68.8	89.2	100.1	133.0	142.4
100°	87.6	106.4	140.8	158.0	169.0
102.5°	103.3	117.3	165.8	200.3	206.5
105°	117.3	122.0	175.2	234.7	248.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	140.8	125.2	187.7	255.0	280.1
115°	145.5	123.6	186.2	256.6	281.6
117.5°	145.5	123.6	181.5	256.6	281.6
120°	142.4	125.2	175.2	253.5	280.1
122.5°	139.2	122.0	169.0	247.2	273.8
125°	134.5	118.9	161.1	236.2	266.0
127.5°	126.7	122.0	153.3	222.2	251.9
130°	120.5	123.6	143.9	208.1	237.8
132.5°	115.8	120.5	134.5	192.4	219.0
135°	109.5	118.9	129.9	175.2	201.8
137.5°	104.8	114.2	122.0	159.6	181.5
140°	100.1	111.1	114.2	139.2	158.0
142.5°	93.9	106.4	108.0	129.9	137.7
145°	89.2	103.3	112.6	120.5	128.3
147.5°	84.5	97.0	109.5	111.1	118.9
150°	82.9	90.7	104.8	106.4	109.5
152.5°	81.4	87.6	97.0	106.4	108.0
155°	81.4	86.0	92.3	100.1	101.7
157.5°	79.8	86.0	89.2	95.4	97.0
160°	79.8	84.5	87.6	92.3	93.9
162.5°	79.8	84.5	86.0	90.7	92.3
165°	79.8	82.9	86.0	89.2	89.2
167.5°	79.8	82.9	84.5	87.6	87.6
170°	79.8	81.4	84.5	86.0	86.0
172.5°	78.2	81.4	82.9	86.0	86.0
175°	78.2	79.8	81.4	82.9	84.5
177.5°	75.1	79.8	81.4	82.9	81.4
180°	76.7	76.7	76.7	76.7	76.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	128.3	123.6	181.5	247.2	267.5
110°	136.1	125.2	186.2	251.9	276.9



(END OF REPORT)