

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: P520641

Luminaire Tested: **8WSLA-100-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520641
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-100-L930-UPL8-UNV-U
Description: 8 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

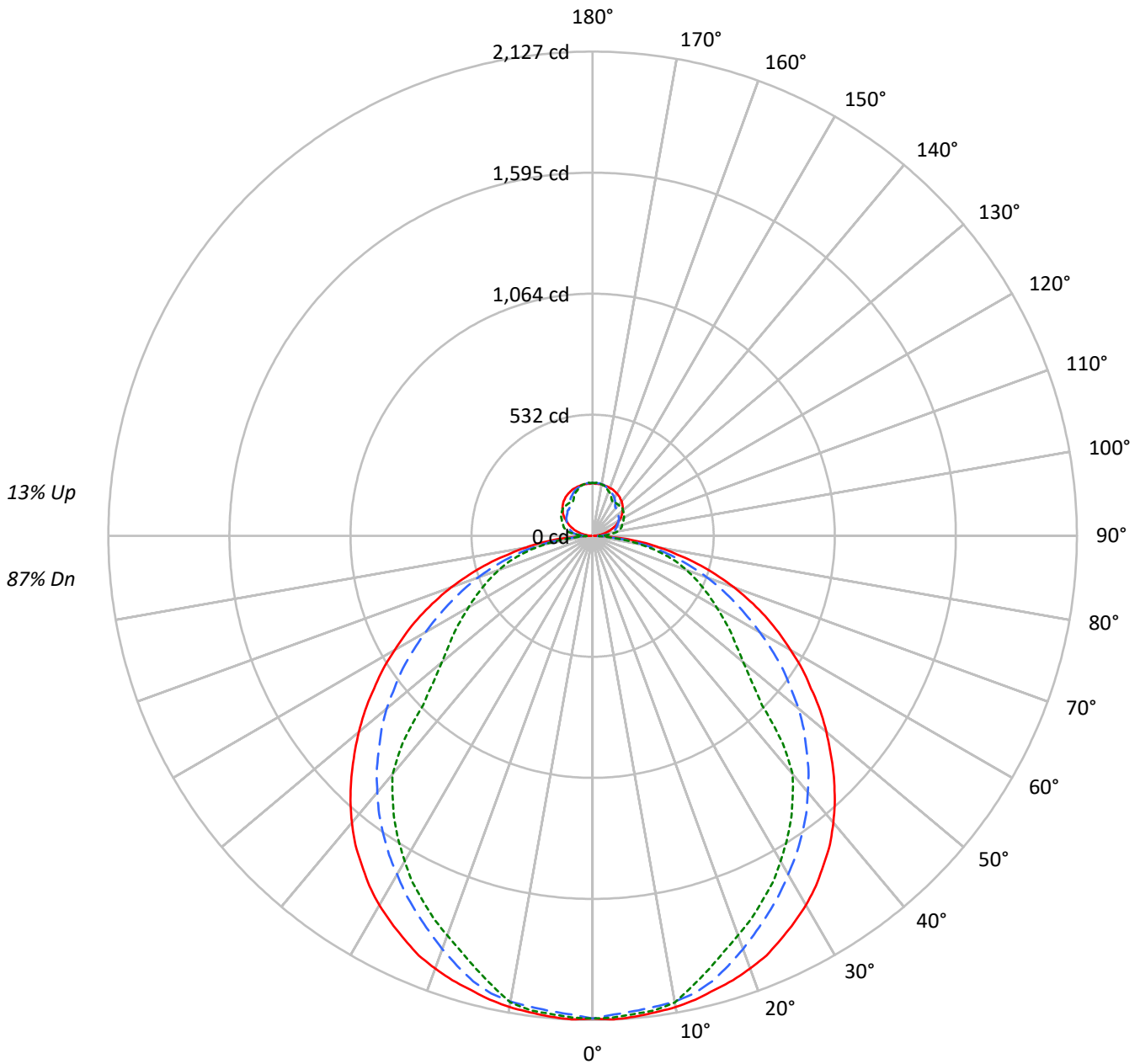
Lumens per Lamp: N/A
Luminaire Lumens: 6600.0 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 63.4
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

TEST NUMBER: P520641

CATALOG NUMBER: 8WSLA-100-L930-UPL8-UNV-U

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	50	30	10	0
RCR																					
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87			87
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73			73
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61			61
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51			51
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44			44
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38			38
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33			33
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30			30
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26			26
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24			24
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22			22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5707	5707	5707
5°	5729	5663	5696
10°	5745	5678	5687
15°	5755	5645	5492
20°	5794	5531	5348
25°	5808	5427	5246
30°	5822	5338	5129
35°	5804	5263	4992
40°	5778	5167	4802
45°	5702	5052	4006
50°	5608	4944	3615
55°	5497	4782	3479
60°	5403	4566	3383
65°	5324	4372	3380
70°	5186	4201	3434
75°	4949	3998	3458
80°	4634	3594	3216
85°	4239	2544	2167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.8	3.0
10°-20°	570.8	8.6
20°-30°	852.9	12.9
30°-40°	1018.1	15.4
40°-50°	1018.2	15.4
50°-60°	881.2	13.4
60°-70°	676.4	10.2
70°-80°	414.4	6.3
80°-90°	116.7	1.8
90°-100°	65.9	1.0
100°-110°	104.7	1.6
110°-120°	122.4	1.9
120°-130°	132.1	2.0
130°-140°	130.2	2.0
140°-150°	115.2	1.7
150°-160°	94.8	1.4
160°-170°	63.4	1.0
170°-180°	22.1	0.3
0°-30°	1624.4	24.6
0°-40°	2642.5	40.0
0°-60°	4541.9	68.8
0°-90°	5749.3	87.1
90°-120°	293.0	4.4
90°-150°	670.4	10.2
90°-180°	851.0	12.9
0°-180°	6600.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2121	2121	2121	2121	2121	
5°	2121	2115	2096	2112	2108	202
15°	2066	2063	2026	1990	1971	584
25°	1956	1932	1828	1779	1767	902
35°	1767	1721	1602	1544	1520	1106
45°	1498	1456	1327	1208	1053	1155
55°	1172	1144	1019	815	742	1050
65°	836	806	687	552	531	826
75°	476	452	384	333	333	502
85°	137	113	82	70	70	144
90°	6	21	34	43	46	10
95°	24	52	70	73	73	24
105°	70	73	104	122	128	74
115°	116	98	122	140	150	113
125°	156	125	140	162	168	139
135°	186	168	156	171	180	144
145°	208	198	174	171	177	129
155°	220	217	204	195	192	101
165°	226	229	223	223	223	64
175°	229	232	232	235	235	22
180°	232	232	232	232	232	



TEST NUMBER: P520641

CATALOG NUMBER: 8WSLA-100-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2120.7	2120.7	2120.7	2120.7	2120.7
2.5°	2126.8	2120.7	2105.5	2120.7	2117.7
5°	2120.7	2114.6	2096.3	2111.6	2108.5
7.5°	2111.6	2105.5	2087.2	2105.5	2102.4
10°	2102.4	2096.3	2078.0	2090.2	2081.1
12.5°	2087.2	2081.1	2059.7	2044.4	2026.1
15°	2065.8	2062.8	2026.1	1989.5	1971.2
17.5°	2047.5	2038.3	1980.4	1937.7	1916.3
20°	2023.1	2007.8	1931.5	1882.7	1867.5
22.5°	1995.6	1971.2	1879.7	1833.9	1821.7
25°	1956.0	1931.5	1827.8	1779.0	1766.8
27.5°	1916.3	1885.8	1775.9	1727.1	1714.9
30°	1873.6	1830.9	1717.9	1672.2	1650.8
32.5°	1824.7	1782.0	1663.0	1611.1	1586.7
35°	1766.8	1721.0	1602.0	1544.0	1519.6
37.5°	1711.8	1663.0	1541.0	1476.9	1443.3
40°	1644.7	1595.9	1470.8	1400.6	1367.0
42.5°	1574.5	1528.8	1403.7	1318.2	1235.8
45°	1498.2	1455.5	1327.4	1208.4	1052.7
47.5°	1418.9	1382.3	1257.2	1095.5	945.9
50°	1339.6	1303.0	1180.9	988.7	863.6
52.5°	1260.2	1229.7	1095.5	900.2	796.4
55°	1171.7	1144.3	1019.2	814.7	741.5
57.5°	1092.4	1064.9	930.7	744.5	683.5
60°	1003.9	979.5	848.3	674.4	628.6
62.5°	921.5	894.1	765.9	613.3	579.8
65°	836.1	805.6	686.6	552.3	530.9
67.5°	747.6	717.1	610.3	497.4	485.2
70°	659.1	634.7	534.0	442.5	436.4
72.5°	567.6	540.1	457.7	390.6	390.6
75°	476.0	451.6	384.5	332.6	332.6
77.5°	381.4	369.2	308.2	271.6	274.6
80°	299.0	283.8	231.9	207.5	207.5
82.5°	219.7	201.4	155.6	137.3	143.4
85°	137.3	112.9	82.4	70.2	70.2
87.5°	42.7	33.6	24.4	27.5	27.5
90°	6.1	21.4	33.6	42.7	45.8
92.5°	15.3	39.7	48.8	58.0	61.0
95°	24.4	51.9	70.2	73.2	73.2
97.5°	33.6	58.0	85.4	97.6	97.6
100°	45.8	61.0	91.5	109.9	112.9
102.5°	58.0	67.1	97.6	116.0	122.1
105°	70.2	73.2	103.7	122.1	128.2



TEST NUMBER: P520641

CATALOG NUMBER: 8WSLA-100-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	103.7	91.5	116.0	137.3	143.4
115°	116.0	97.6	122.1	140.4	149.5
117.5°	125.1	106.8	128.2	146.5	152.6
120°	134.3	112.9	131.2	152.6	158.7
122.5°	146.5	119.0	137.3	155.6	164.8
125°	155.6	125.1	140.4	161.7	167.8
127.5°	164.8	137.3	143.4	164.8	170.9
130°	170.9	149.5	146.5	167.8	173.9
132.5°	180.0	158.7	149.5	170.9	177.0
135°	186.1	167.8	155.6	170.9	180.0
137.5°	192.2	177.0	155.6	170.9	177.0
140°	198.3	186.1	158.7	170.9	177.0
142.5°	201.4	192.2	161.7	170.9	177.0
145°	207.5	198.3	173.9	170.9	177.0
147.5°	210.5	204.4	183.1	170.9	177.0
150°	213.6	210.5	192.2	173.9	173.9
152.5°	216.7	213.6	198.3	186.1	180.0
155°	219.7	216.7	204.4	195.3	192.2
157.5°	222.8	222.8	210.5	204.4	201.4
160°	222.8	225.8	216.7	210.5	207.5
162.5°	225.8	228.9	219.7	216.7	213.6
165°	225.8	228.9	222.8	222.8	222.8
167.5°	228.9	231.9	228.9	225.8	225.8
170°	228.9	231.9	228.9	228.9	228.9
172.5°	228.9	231.9	231.9	231.9	231.9
175°	228.9	231.9	231.9	235.0	235.0
177.5°	228.9	231.9	231.9	231.9	231.9
180°	231.9	231.9	231.9	231.9	231.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	82.4	79.3	106.8	128.2	134.3
110°	91.5	85.4	112.9	131.2	137.3



(END OF REPORT)