

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: P520712

Luminaire Tested: **8WSLA-175-L930-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520712
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-175-L930-UPL15-UNV-U
Description: 8 FOOT, 3500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

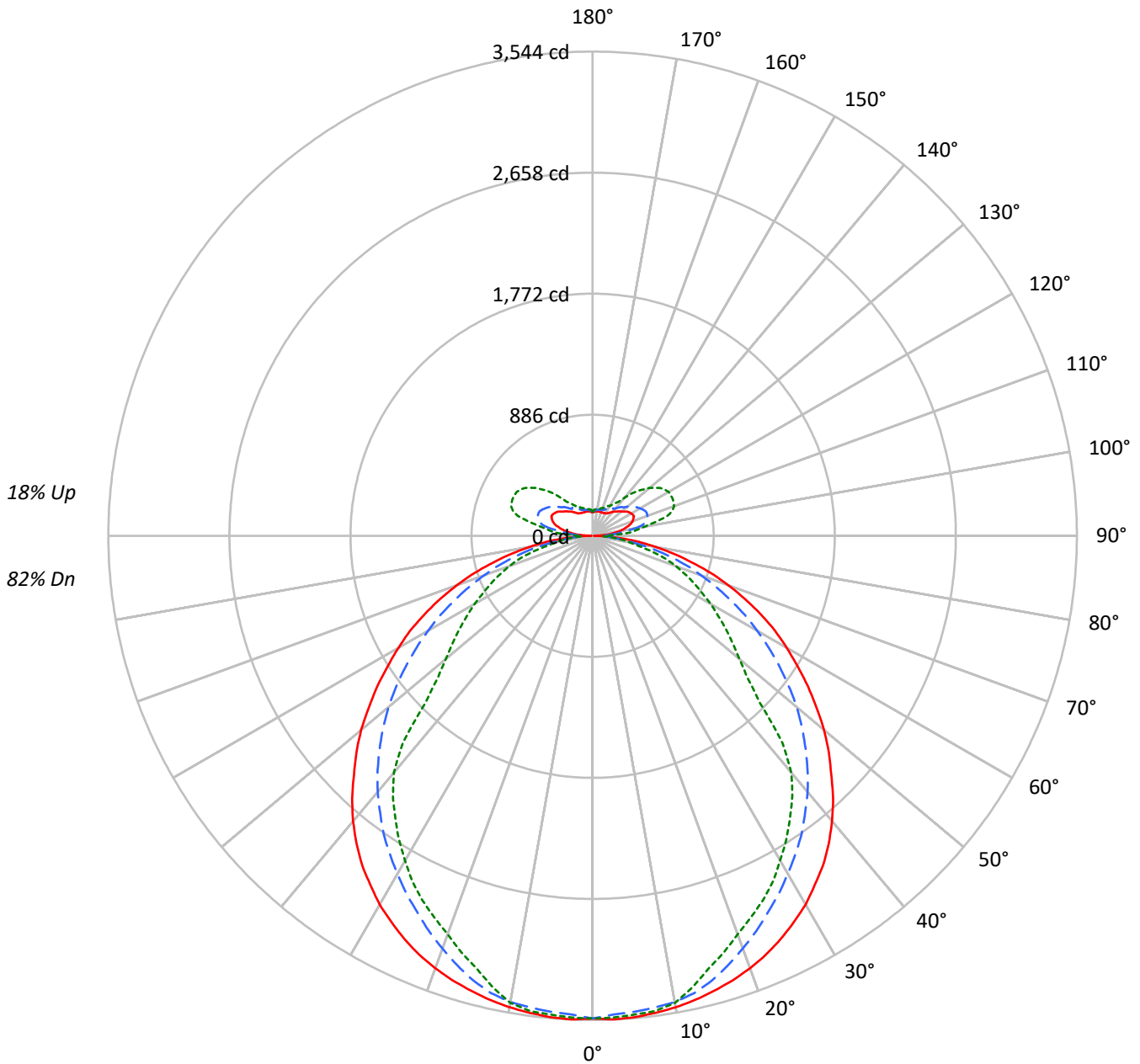
Lumens per Lamp: N/A
Luminaire Lumens: 11442.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 119
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: P520712

CATALOG NUMBER: 8WSLA-175-L930-UPL15-UNV-U

Luminous Intensity Polar Plot





TEST NUMBER: P520712

CATALOG NUMBER: 8WSLA-175-L930-UPL15-UNV-U

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	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°	9507	9507	9507
5°	9553	9447	9505
10°	9575	9468	9487
15°	9603	9393	9134
20°	9645	9204	8886
25°	9671	9022	8745
30°	9686	8874	8529
35°	9664	8758	8275
40°	9579	8597	7942
45°	9395	8386	6586
50°	9255	8160	5865
55°	9027	7834	5581
60°	8832	7483	5361
65°	8624	7073	5202
70°	8288	6625	5102
75°	7824	6073	4694
80°	7163	5108	4164
85°	6416	4424	4205



TEST NUMBER: P520712

CATALOG NUMBER: 8WSLA-175-L930-UPL15-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	2.9
10°-20°	951.1	8.3
20°-30°	1419.5	12.4
30°-40°	1691.3	14.8
40°-50°	1682.3	14.7
50°-60°	1441.8	12.6
60°-70°	1085.9	9.5
70°-80°	628.9	5.5
80°-90°	189.0	1.7
90°-100°	202.9	1.8
100°-110°	416.7	3.6
110°-120°	440.6	3.9
120°-130°	367.6	3.2
130°-140°	256.8	2.2
140°-150°	159.8	1.4
150°-160°	99.1	0.9
160°-170°	55.8	0.5
170°-180°	18.0	0.2
0°-30°	2705.5	23.6
0°-40°	4396.8	38.4
0°-60°	7521.0	65.7
0°-90°	9424.8	82.4
90°-120°	1060.2	9.3
90°-150°	1844.4	16.1
90°-180°	2017.0	17.6
0°-180°	11442.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3533	3533	3533	3533	3533	
5°	3537	3526	3497	3522	3519	336
15°	3447	3443	3372	3314	3279	974
25°	3257	3210	3038	2963	2945	1502
35°	2942	2863	2666	2562	2519	1837
45°	2469	2408	2204	1985	1731	1909
55°	1924	1896	1670	1326	1190	1720
65°	1354	1322	1111	864	817	1339
75°	752	727	584	466	452	797
85°	208	183	143	136	136	222
90°	11	50	86	108	115	21
95°	115	154	176	258	280	110
105°	269	280	401	538	570	279
115°	333	283	426	588	645	324
125°	308	272	369	541	609	274
135°	251	272	297	401	462	196
145°	204	236	258	276	294	130
155°	186	197	211	229	233	86
165°	183	190	197	204	204	52
175°	179	183	186	190	194	17
180°	176	176	176	176	176	



TEST NUMBER: P520712

CATALOG NUMBER: 8WSLA-175-L930-UPL15-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3533.0	3533.0	3533.0	3533.0	3533.0
2.5°	3543.7	3536.6	3507.9	3536.6	3529.4
5°	3536.6	3525.8	3497.1	3522.2	3518.6
7.5°	3522.2	3515.1	3482.8	3511.5	3507.9
10°	3504.3	3493.6	3464.9	3486.4	3472.1
12.5°	3479.2	3472.1	3429.1	3411.1	3382.5
15°	3447.0	3443.4	3371.7	3314.4	3278.6
17.5°	3411.1	3396.8	3296.5	3228.4	3196.2
20°	3368.1	3346.6	3214.1	3135.2	3103.0
22.5°	3318.0	3285.7	3131.7	3056.4	3024.2
25°	3257.1	3210.5	3038.5	2963.3	2945.3
27.5°	3189.0	3135.2	2952.5	2877.3	2855.8
30°	3117.3	3049.2	2855.8	2784.1	2744.7
32.5°	3027.7	2963.3	2762.6	2680.2	2637.2
35°	2941.8	2862.9	2665.9	2561.9	2518.9
37.5°	2837.8	2759.0	2554.8	2450.9	2400.7
40°	2726.8	2647.9	2447.3	2325.5	2261.0
42.5°	2604.9	2533.3	2329.0	2182.1	2056.7
45°	2468.8	2407.9	2203.6	1985.1	1730.7
47.5°	2343.4	2286.0	2078.2	1795.2	1533.6
50°	2210.8	2157.0	1949.2	1616.0	1401.0
52.5°	2063.9	2024.5	1809.5	1461.9	1289.9
55°	1924.1	1895.5	1669.7	1325.8	1189.6
57.5°	1777.2	1748.6	1530.0	1196.8	1089.3
60°	1641.1	1612.4	1390.3	1082.1	996.1
62.5°	1504.9	1465.5	1254.1	971.0	899.4
65°	1354.4	1322.2	1110.8	863.5	817.0
67.5°	1203.9	1175.3	978.2	763.2	731.0
70°	1053.4	1028.4	842.0	666.5	648.5
72.5°	906.5	874.3	720.2	569.7	562.6
75°	752.5	727.4	584.1	465.8	451.5
77.5°	605.5	584.1	458.6	354.7	344.0
80°	462.2	440.7	329.6	258.0	268.7
82.5°	340.4	311.7	222.2	200.7	211.4
85°	207.8	182.7	143.3	136.2	136.2
87.5°	71.7	68.1	64.5	75.2	78.8
90°	10.7	50.2	86.0	107.5	114.7
92.5°	60.9	89.6	118.2	139.7	146.9
95°	114.7	154.1	175.6	258.0	279.5
97.5°	157.7	204.2	229.3	304.6	326.1
100°	200.7	243.7	322.5	361.9	387.0
102.5°	236.5	268.7	379.8	458.6	473.0
105°	268.7	279.5	401.3	537.5	569.7



TEST NUMBER: P520712

CATALOG NUMBER: 8WSLA-175-L930-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	322.5	286.7	430.0	584.1	641.4
115°	333.2	283.1	426.4	587.6	645.0
117.5°	333.2	283.1	415.6	587.6	645.0
120°	326.1	286.7	401.3	580.5	641.4
122.5°	318.9	279.5	387.0	566.1	627.0
125°	308.1	272.3	369.1	541.1	609.1
127.5°	290.2	279.5	351.1	508.8	576.9
130°	275.9	283.1	329.6	476.6	544.6
132.5°	265.2	275.9	308.1	440.7	501.6
135°	250.8	272.3	297.4	401.3	462.2
137.5°	240.1	261.6	279.5	365.5	415.6
140°	229.3	254.4	261.6	318.9	361.9
142.5°	215.0	243.7	247.2	297.4	315.3
145°	204.2	236.5	258.0	275.9	293.8
147.5°	193.5	222.2	250.8	254.4	272.3
150°	189.9	207.8	240.1	243.7	250.8
152.5°	186.3	200.7	222.2	243.7	247.2
155°	186.3	197.1	211.4	229.3	232.9
157.5°	182.7	197.1	204.2	218.6	222.2
160°	182.7	193.5	200.7	211.4	215.0
162.5°	182.7	193.5	197.1	207.8	211.4
165°	182.7	189.9	197.1	204.2	204.2
167.5°	182.7	189.9	193.5	200.7	200.7
170°	182.7	186.3	193.5	197.1	197.1
172.5°	179.2	186.3	189.9	197.1	197.1
175°	179.2	182.7	186.3	189.9	193.5
177.5°	172.0	182.7	186.3	189.9	186.3
180°	175.6	175.6	175.6	175.6	175.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	293.8	283.1	415.6	566.1	612.7
110°	311.7	286.7	426.4	576.9	634.2



(END OF REPORT)