

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: P520689

Luminaire Tested: **8WSLA-150-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520689
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-150-L930-UPL8-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

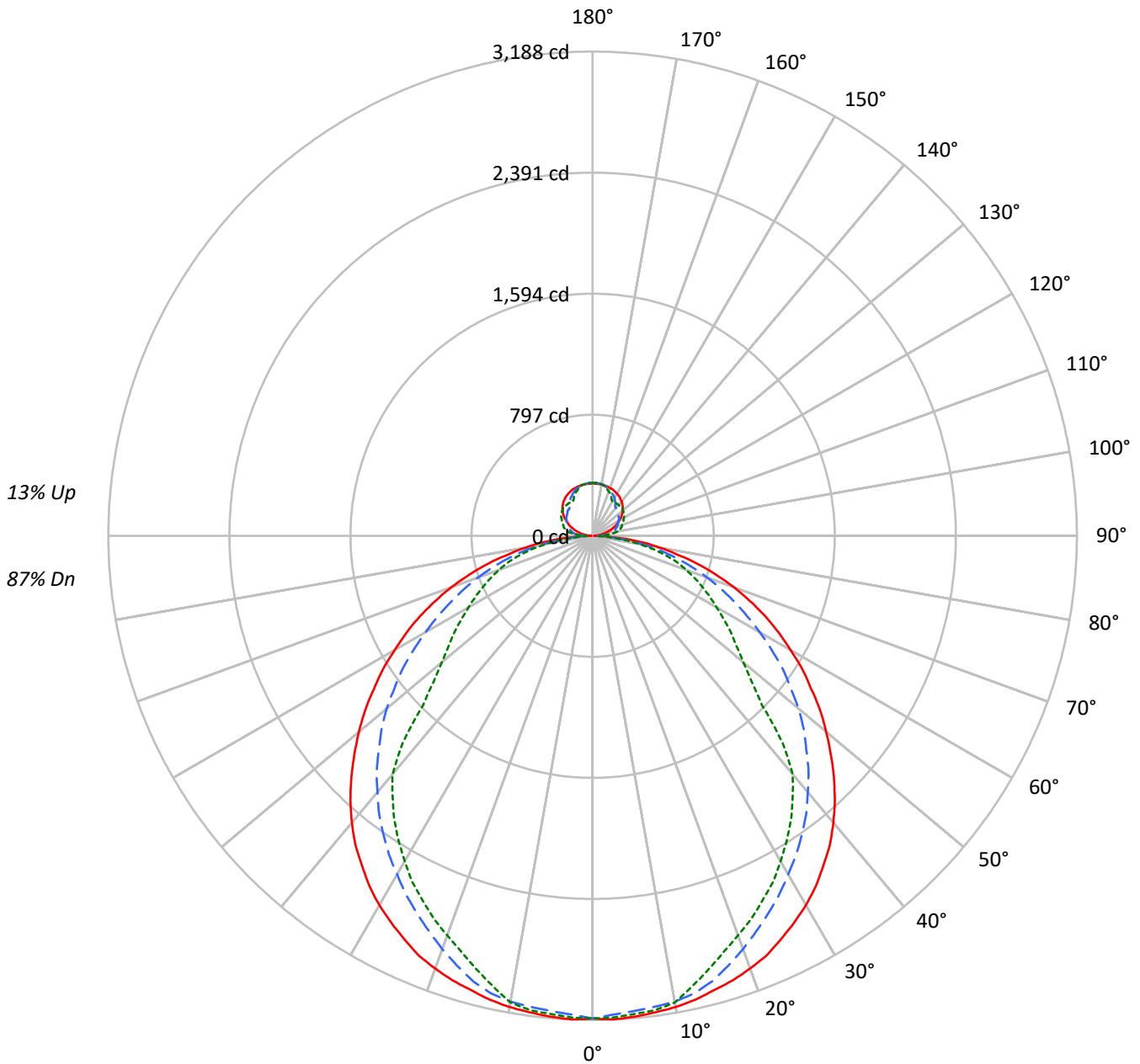
Lumens per Lamp: N/A
Luminaire Lumens: 9892.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 93.6
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

TEST NUMBER: P520689

CATALOG NUMBER: 8WSLA-150-L930-UPL8-UNV-U

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°	8553	8553	8553
5°	8586	8487	8537
10°	8610	8510	8523
15°	8626	8460	8231
20°	8683	8290	8015
25°	8704	8134	7862
30°	8726	8001	7688
35°	8699	7887	7482
40°	8659	7744	7197
45°	8546	7571	6005
50°	8405	7410	5418
55°	8239	7166	5214
60°	8098	6843	5070
65°	7979	6552	5067
70°	7773	6297	5146
75°	7418	5992	5183
80°	6946	5387	4819
85°	6354	3813	3248



TEST NUMBER: P520689

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.9	3.0
10°-20°	855.5	8.6
20°-30°	1278.3	12.9
30°-40°	1525.9	15.4
40°-50°	1526.0	15.4
50°-60°	1320.7	13.4
60°-70°	1013.7	10.2
70°-80°	621.1	6.3
80°-90°	174.9	1.8
90°-100°	98.8	1.0
100°-110°	156.9	1.6
110°-120°	183.4	1.9
120°-130°	198.0	2.0
130°-140°	195.1	2.0
140°-150°	172.6	1.7
150°-160°	142.0	1.4
160°-170°	95.1	1.0
170°-180°	33.1	0.3
0°-30°	2434.7	24.6
0°-40°	3960.5	40.0
0°-60°	6807.3	68.8
0°-90°	8617.0	87.1
90°-120°	439.1	4.4
90°-150°	1004.8	10.2
90°-180°	1275.0	12.9
0°-180°	9892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3178	3178	3178	3178	3178	
5°	3178	3169	3142	3165	3160	302
15°	3096	3092	3037	2982	2954	876
25°	2932	2895	2740	2666	2648	1352
35°	2648	2579	2401	2314	2278	1658
45°	2246	2182	1989	1811	1578	1732
55°	1756	1715	1528	1221	1111	1574
65°	1253	1207	1029	828	796	1238
75°	714	677	576	498	498	753
85°	206	169	124	105	105	215
90°	9	32	50	64	69	14
95°	37	78	105	110	110	36
105°	105	110	156	183	192	110
115°	174	146	183	210	224	170
125°	233	188	210	242	252	208
135°	279	252	233	256	270	215
145°	311	297	261	256	265	194
155°	329	325	306	293	288	152
165°	338	343	334	334	334	96
175°	343	348	348	352	352	33
180°	348	348	348	348	348	



TEST NUMBER: P520689

CATALOG NUMBER: 8WSLA-150-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3178.5	3178.5	3178.5	3178.5	3178.5
2.5°	3187.7	3178.5	3155.7	3178.5	3174.0
5°	3178.5	3169.4	3141.9	3164.8	3160.2
7.5°	3164.8	3155.7	3128.2	3155.7	3151.1
10°	3151.1	3141.9	3114.5	3132.8	3119.1
12.5°	3128.2	3119.1	3087.1	3064.2	3036.8
15°	3096.2	3091.6	3036.8	2981.9	2954.4
17.5°	3068.8	3055.0	2968.2	2904.1	2872.1
20°	3032.2	3009.3	2895.0	2821.8	2798.9
22.5°	2991.0	2954.4	2817.2	2748.6	2730.3
25°	2931.6	2895.0	2739.5	2666.3	2648.0
27.5°	2872.1	2826.4	2661.7	2588.6	2570.3
30°	2808.1	2744.1	2574.8	2506.2	2474.2
32.5°	2734.9	2670.9	2492.5	2414.8	2378.2
35°	2648.0	2579.4	2401.0	2314.2	2277.6
37.5°	2565.7	2492.5	2309.6	2213.5	2163.2
40°	2465.1	2391.9	2204.4	2099.2	2048.9
42.5°	2359.9	2291.3	2103.8	1975.7	1852.2
45°	2245.6	2181.5	1989.4	1811.1	1577.8
47.5°	2126.6	2071.8	1884.3	1641.9	1417.8
50°	2007.7	1952.9	1769.9	1481.8	1294.3
52.5°	1888.8	1843.1	1641.9	1349.2	1193.7
55°	1756.2	1715.0	1527.5	1221.1	1111.3
57.5°	1637.3	1596.1	1394.9	1115.9	1024.4
60°	1504.7	1468.1	1271.4	1010.7	942.1
62.5°	1381.2	1340.0	1147.9	919.3	869.0
65°	1253.1	1207.4	1029.0	827.8	795.8
67.5°	1120.5	1074.8	914.7	745.5	727.2
70°	987.9	951.3	800.3	663.1	654.0
72.5°	850.7	809.5	686.0	585.4	585.4
75°	713.5	676.9	576.3	498.5	498.5
77.5°	571.7	553.4	461.9	407.0	411.6
80°	448.2	425.3	347.6	311.0	311.0
82.5°	329.3	301.8	233.2	205.8	215.0
85°	205.8	169.2	123.5	105.2	105.2
87.5°	64.0	50.3	36.6	41.2	41.2
90°	9.1	32.0	50.3	64.0	68.6
92.5°	22.9	59.5	73.2	86.9	91.5
95°	36.6	77.7	105.2	109.8	109.8
97.5°	50.3	86.9	128.1	146.3	146.3
100°	68.6	91.5	137.2	164.6	169.2
102.5°	86.9	100.6	146.3	173.8	182.9
105°	105.2	109.8	155.5	182.9	192.1



TEST NUMBER: P520689

CATALOG NUMBER: 8WSLA-150-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	155.5	137.2	173.8	205.8	215.0
115°	173.8	146.3	182.9	210.4	224.1
117.5°	187.5	160.1	192.1	219.5	228.7
120°	201.2	169.2	196.7	228.7	237.8
122.5°	219.5	178.4	205.8	233.2	247.0
125°	233.2	187.5	210.4	242.4	251.5
127.5°	247.0	205.8	215.0	247.0	256.1
130°	256.1	224.1	219.5	251.5	260.7
132.5°	269.8	237.8	224.1	256.1	265.3
135°	279.0	251.5	233.2	256.1	269.8
137.5°	288.1	265.3	233.2	256.1	265.3
140°	297.3	279.0	237.8	256.1	265.3
142.5°	301.8	288.1	242.4	256.1	265.3
145°	311.0	297.3	260.7	256.1	265.3
147.5°	315.6	306.4	274.4	256.1	265.3
150°	320.1	315.6	288.1	260.7	260.7
152.5°	324.7	320.1	297.3	279.0	269.8
155°	329.3	324.7	306.4	292.7	288.1
157.5°	333.9	333.9	315.6	306.4	301.8
160°	333.9	338.4	324.7	315.6	311.0
162.5°	338.4	343.0	329.3	324.7	320.1
165°	338.4	343.0	333.9	333.9	333.9
167.5°	343.0	347.6	343.0	338.4	338.4
170°	343.0	347.6	343.0	343.0	343.0
172.5°	343.0	347.6	347.6	347.6	347.6
175°	343.0	347.6	347.6	352.2	352.2
177.5°	343.0	347.6	347.6	347.6	347.6
180°	347.6	347.6	347.6	347.6	347.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	123.5	118.9	160.1	192.1	201.2
110°	137.2	128.1	169.2	196.7	205.8



(END OF REPORT)