

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: P520763

Luminaire Tested: **8WSLA-50-L935-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520763
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-50-L935-UPL15-UNV-U
Description: 8 FOOT, 1000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

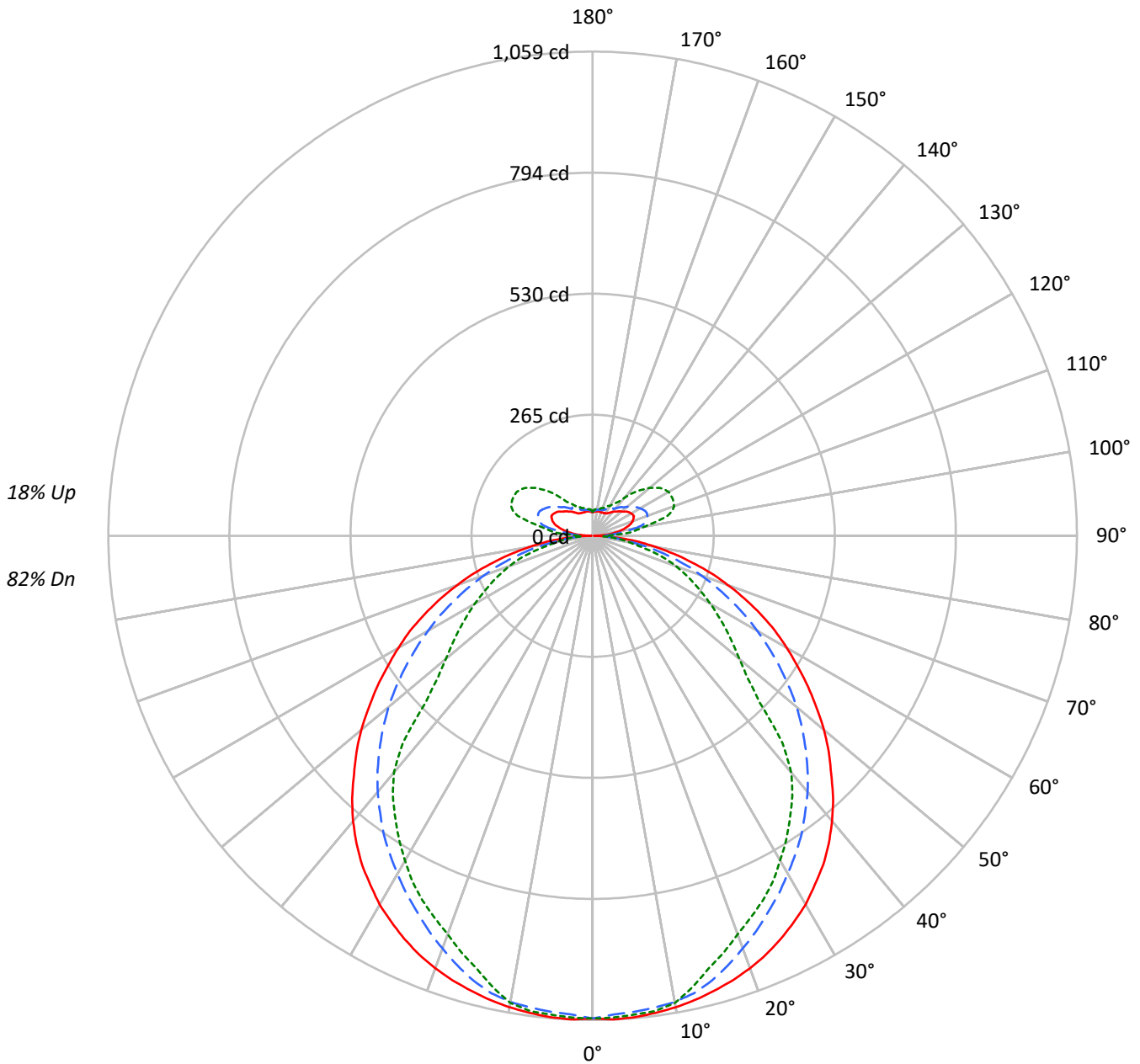
Lumens per Lamp: N/A
Luminaire Lumens: 3419.0 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 30.5
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	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°	2841	2841	2841
5°	2855	2823	2840
10°	2861	2829	2835
15°	2869	2807	2729
20°	2882	2750	2655
25°	2890	2696	2613
30°	2894	2651	2548
35°	2888	2617	2473
40°	2862	2569	2373
45°	2807	2506	1968
50°	2766	2439	1752
55°	2698	2341	1668
60°	2639	2236	1602
65°	2577	2113	1554
70°	2477	1980	1525
75°	2337	1814	1403
80°	2140	1526	1244
85°	1917	1321	1257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	2.9
10°-20°	284.2	8.3
20°-30°	424.2	12.4
30°-40°	505.4	14.8
40°-50°	502.7	14.7
50°-60°	430.8	12.6
60°-70°	324.5	9.5
70°-80°	187.9	5.5
80°-90°	56.5	1.7
90°-100°	60.6	1.8
100°-110°	124.5	3.6
110°-120°	131.7	3.9
120°-130°	109.8	3.2
130°-140°	76.7	2.2
140°-150°	47.8	1.4
150°-160°	29.6	0.9
160°-170°	16.7	0.5
170°-180°	5.4	0.2
0°-30°	808.4	23.6
0°-40°	1313.8	38.4
0°-60°	2247.4	65.7
0°-90°	2816.2	82.4
90°-120°	316.8	9.3
90°-150°	551.1	16.1
90°-180°	603.0	17.6
0°-180°	3419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1057	1054	1045	1052	1051	101
15°	1030	1029	1008	990	980	291
25°	973	959	908	886	880	449
35°	879	856	797	766	753	549
45°	738	720	658	593	517	570
55°	575	566	499	396	356	514
65°	405	395	332	258	244	400
75°	225	217	174	139	135	238
85°	62	55	43	41	41	66
90°	3	15	26	32	34	6
95°	34	46	52	77	84	33
105°	80	84	120	161	170	83
115°	100	85	127	176	193	97
125°	92	81	110	162	182	82
135°	75	81	89	120	138	58
145°	61	71	77	82	88	39
155°	56	59	63	68	70	26
165°	55	57	59	61	61	15
175°	54	55	56	57	58	5
180°	52	52	52	52	52	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1058.9	1056.8	1048.2	1056.8	1054.6
5°	1056.8	1053.6	1045.0	1052.5	1051.4
7.5°	1052.5	1050.3	1040.7	1049.3	1048.2
10°	1047.1	1043.9	1035.3	1041.8	1037.5
12.5°	1039.6	1037.5	1024.6	1019.3	1010.7
15°	1030.0	1028.9	1007.5	990.4	979.7
17.5°	1019.3	1015.0	985.0	964.7	955.0
20°	1006.4	1000.0	960.4	936.8	927.2
22.5°	991.5	981.8	935.8	913.3	903.7
25°	973.2	959.3	907.9	885.5	880.1
27.5°	952.9	936.8	882.2	859.8	853.3
30°	931.5	911.2	853.3	831.9	820.1
32.5°	904.7	885.5	825.5	800.9	788.0
35°	879.0	855.5	796.6	765.5	752.7
37.5°	848.0	824.4	763.4	732.3	717.4
40°	814.8	791.2	731.3	694.9	675.6
42.5°	778.4	757.0	695.9	652.0	614.6
45°	737.7	719.5	658.5	593.2	517.1
47.5°	700.2	683.1	621.0	536.4	458.3
50°	660.6	644.6	582.5	482.9	418.6
52.5°	616.7	604.9	540.7	436.8	385.4
55°	575.0	566.4	498.9	396.2	355.5
57.5°	531.1	522.5	457.2	357.6	325.5
60°	490.4	481.8	415.4	323.3	297.6
62.5°	449.7	437.9	374.7	290.2	268.7
65°	404.7	395.1	331.9	258.0	244.1
67.5°	359.7	351.2	292.3	228.1	218.4
70°	314.8	307.3	251.6	199.1	193.8
72.5°	270.9	261.2	215.2	170.2	168.1
75°	224.8	217.3	174.5	139.2	134.9
77.5°	180.9	174.5	137.0	106.0	102.8
80°	138.1	131.7	98.5	77.1	80.3
82.5°	101.7	93.1	66.4	60.0	63.2
85°	62.1	54.6	42.8	40.7	40.7
87.5°	21.4	20.3	19.3	22.5	23.6
90°	3.2	15.0	25.7	32.1	34.3
92.5°	18.2	26.8	35.3	41.8	43.9
95°	34.3	46.0	52.5	77.1	83.5
97.5°	47.1	61.0	68.5	91.0	97.4
100°	60.0	72.8	96.4	108.1	115.6
102.5°	70.7	80.3	113.5	137.0	141.3
105°	80.3	83.5	119.9	160.6	170.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	96.4	85.7	128.5	174.5	191.7
115°	99.6	84.6	127.4	175.6	192.7
117.5°	99.6	84.6	124.2	175.6	192.7
120°	97.4	85.7	119.9	173.5	191.7
122.5°	95.3	83.5	115.6	169.2	187.4
125°	92.1	81.4	110.3	161.7	182.0
127.5°	86.7	83.5	104.9	152.0	172.4
130°	82.4	84.6	98.5	142.4	162.7
132.5°	79.2	82.4	92.1	131.7	149.9
135°	74.9	81.4	88.9	119.9	138.1
137.5°	71.7	78.2	83.5	109.2	124.2
140°	68.5	76.0	78.2	95.3	108.1
142.5°	64.2	72.8	73.9	88.9	94.2
145°	61.0	70.7	77.1	82.4	87.8
147.5°	57.8	66.4	74.9	76.0	81.4
150°	56.7	62.1	71.7	72.8	74.9
152.5°	55.7	60.0	66.4	72.8	73.9
155°	55.7	58.9	63.2	68.5	69.6
157.5°	54.6	58.9	61.0	65.3	66.4
160°	54.6	57.8	60.0	63.2	64.2
162.5°	54.6	57.8	58.9	62.1	63.2
165°	54.6	56.7	58.9	61.0	61.0
167.5°	54.6	56.7	57.8	60.0	60.0
170°	54.6	55.7	57.8	58.9	58.9
172.5°	53.5	55.7	56.7	58.9	58.9
175°	53.5	54.6	55.7	56.7	57.8
177.5°	51.4	54.6	55.7	56.7	55.7
180°	52.5	52.5	52.5	52.5	52.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	87.8	84.6	124.2	169.2	183.1
110°	93.1	85.7	127.4	172.4	189.5



(END OF REPORT)