

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: P520679

Luminaire Tested: **8WSLA-150-L835-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520679
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-150-L835-UPL15-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

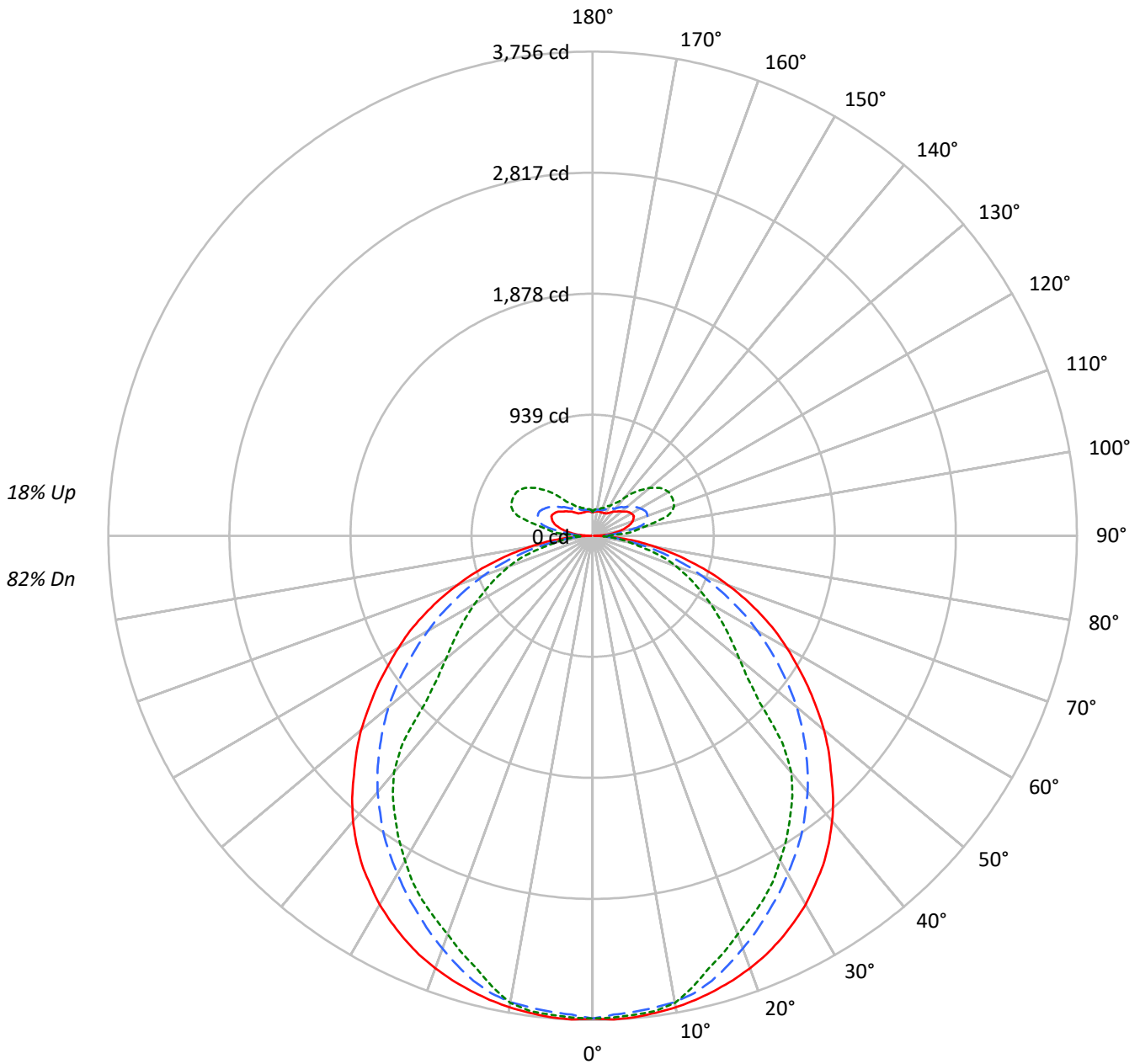
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12128.0 lumens
Efficiency: N/A
Efficacy: 129.6 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): 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

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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	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°	10077	10077	10077
5°	10126	10013	10075
10°	10150	10035	10056
15°	10179	9957	9681
20°	10224	9756	9419
25°	10250	9563	9269
30°	10267	9406	9040
35°	10243	9283	8771
40°	10153	9112	8418
45°	9959	8889	6981
50°	9810	8650	6217
55°	9568	8303	5916
60°	9362	7931	5682
65°	9141	7497	5514
70°	8785	7022	5408
75°	8293	6437	4975
80°	7592	5415	4413
85°	6802	4690	4455



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.9	2.9
10°-20°	1008.2	8.3
20°-30°	1504.6	12.4
30°-40°	1792.7	14.8
40°-50°	1783.2	14.7
50°-60°	1528.3	12.6
60°-70°	1151.0	9.5
70°-80°	666.6	5.5
80°-90°	200.3	1.7
90°-100°	215.1	1.8
100°-110°	441.7	3.6
110°-120°	467.0	3.9
120°-130°	389.6	3.2
130°-140°	272.2	2.2
140°-150°	169.4	1.4
150°-160°	105.0	0.9
160°-170°	59.1	0.5
170°-180°	19.1	0.2
0°-30°	2867.7	23.6
0°-40°	4660.4	38.4
0°-60°	7971.9	65.7
0°-90°	9989.8	82.4
90°-120°	1123.8	9.3
90°-150°	1954.9	16.1
90°-180°	2138.0	17.6
0°-180°	12128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3745	3745	3745	3745	3745	
5°	3749	3737	3707	3733	3730	357
15°	3654	3650	3574	3513	3475	1033
25°	3452	3403	3221	3141	3122	1592
35°	3118	3035	2826	2716	2670	1948
45°	2617	2552	2336	2104	1834	2023
55°	2040	2009	1770	1405	1261	1823
65°	1436	1401	1177	915	866	1419
75°	798	771	619	494	478	845
85°	220	194	152	144	144	235
90°	11	53	91	114	122	22
95°	122	163	186	274	296	116
105°	285	296	425	570	604	295
115°	353	300	452	623	684	344
125°	327	289	391	574	646	290
135°	266	289	315	425	490	208
145°	216	251	274	292	311	137
155°	198	209	224	243	247	91
165°	194	201	209	216	216	55
175°	190	194	198	201	205	18
180°	186	186	186	186	186	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3744.8	3744.8	3744.8	3744.8	3744.8
2.5°	3756.2	3748.6	3718.2	3748.6	3741.0
5°	3748.6	3737.2	3706.8	3733.4	3729.6
7.5°	3733.4	3725.8	3691.6	3722.0	3718.2
10°	3714.4	3703.0	3672.6	3695.4	3680.2
12.5°	3687.8	3680.2	3634.6	3615.7	3585.3
15°	3653.6	3649.8	3573.9	3513.1	3475.1
17.5°	3615.7	3600.5	3494.1	3422.0	3387.8
20°	3570.1	3547.3	3406.8	3323.2	3289.0
22.5°	3516.9	3482.7	3319.4	3239.7	3205.5
25°	3452.3	3403.0	3220.7	3140.9	3121.9
27.5°	3380.2	3323.2	3129.5	3049.8	3027.0
30°	3304.2	3232.1	3027.0	2951.0	2909.2
32.5°	3209.3	3140.9	2928.2	2840.9	2795.3
35°	3118.1	3034.6	2825.7	2715.5	2670.0
37.5°	3008.0	2924.4	2707.9	2597.8	2544.6
40°	2890.2	2806.7	2594.0	2464.9	2396.5
42.5°	2761.1	2685.2	2468.7	2313.0	2180.0
45°	2616.8	2552.2	2335.7	2104.1	1834.4
47.5°	2483.9	2423.1	2202.8	1902.8	1625.5
50°	2343.3	2286.4	2066.1	1712.9	1485.0
52.5°	2187.6	2145.8	1918.0	1549.6	1367.3
55°	2039.5	2009.1	1769.8	1405.2	1260.9
57.5°	1883.8	1853.4	1621.7	1268.5	1154.6
60°	1739.5	1709.1	1473.6	1147.0	1055.8
62.5°	1595.1	1553.4	1329.3	1029.2	953.3
65°	1435.6	1401.4	1177.4	915.3	865.9
67.5°	1276.1	1245.7	1036.8	809.0	774.8
70°	1116.6	1090.0	892.5	706.4	687.4
72.5°	960.9	926.7	763.4	603.9	596.3
75°	797.6	771.0	619.1	493.7	478.5
77.5°	641.9	619.1	486.1	376.0	364.6
80°	489.9	467.1	349.4	273.5	284.8
82.5°	360.8	330.4	235.5	212.7	224.1
85°	220.3	193.7	151.9	144.3	144.3
87.5°	76.0	72.2	68.4	79.8	83.6
90°	11.4	53.2	91.2	113.9	121.5
92.5°	64.6	94.9	125.3	148.1	155.7
95°	121.5	163.3	186.1	273.5	296.2
97.5°	167.1	216.5	243.1	322.8	345.6
100°	212.7	258.3	341.8	383.6	410.2
102.5°	250.7	284.8	402.6	486.1	501.3
105°	284.8	296.2	425.4	569.7	603.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	341.8	303.8	455.8	619.1	679.8
115°	353.2	300.0	452.0	622.9	683.6
117.5°	353.2	300.0	440.6	622.9	683.6
120°	345.6	303.8	425.4	615.3	679.8
122.5°	338.0	296.2	410.2	600.1	664.6
125°	326.6	288.6	391.2	573.5	645.7
127.5°	307.6	296.2	372.2	539.3	611.5
130°	292.4	300.0	349.4	505.1	577.3
132.5°	281.0	292.4	326.6	467.1	531.7
135°	265.9	288.6	315.2	425.4	489.9
137.5°	254.5	277.3	296.2	387.4	440.6
140°	243.1	269.7	277.3	338.0	383.6
142.5°	227.9	258.3	262.1	315.2	334.2
145°	216.5	250.7	273.5	292.4	311.4
147.5°	205.1	235.5	265.9	269.7	288.6
150°	201.3	220.3	254.5	258.3	265.9
152.5°	197.5	212.7	235.5	258.3	262.1
155°	197.5	208.9	224.1	243.1	246.9
157.5°	193.7	208.9	216.5	231.7	235.5
160°	193.7	205.1	212.7	224.1	227.9
162.5°	193.7	205.1	208.9	220.3	224.1
165°	193.7	201.3	208.9	216.5	216.5
167.5°	193.7	201.3	205.1	212.7	212.7
170°	193.7	197.5	205.1	208.9	208.9
172.5°	189.9	197.5	201.3	208.9	208.9
175°	189.9	193.7	197.5	201.3	205.1
177.5°	182.3	193.7	197.5	201.3	197.5
180°	186.1	186.1	186.1	186.1	186.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	311.4	300.0	440.6	600.1	649.5
110°	330.4	303.8	452.0	611.5	672.2



(END OF REPORT)