

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: P520715

Luminaire Tested: **8WSLA-175-L935-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520715
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-L935-UPL15-UNV-U
Description: 8 FOOT, 3500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

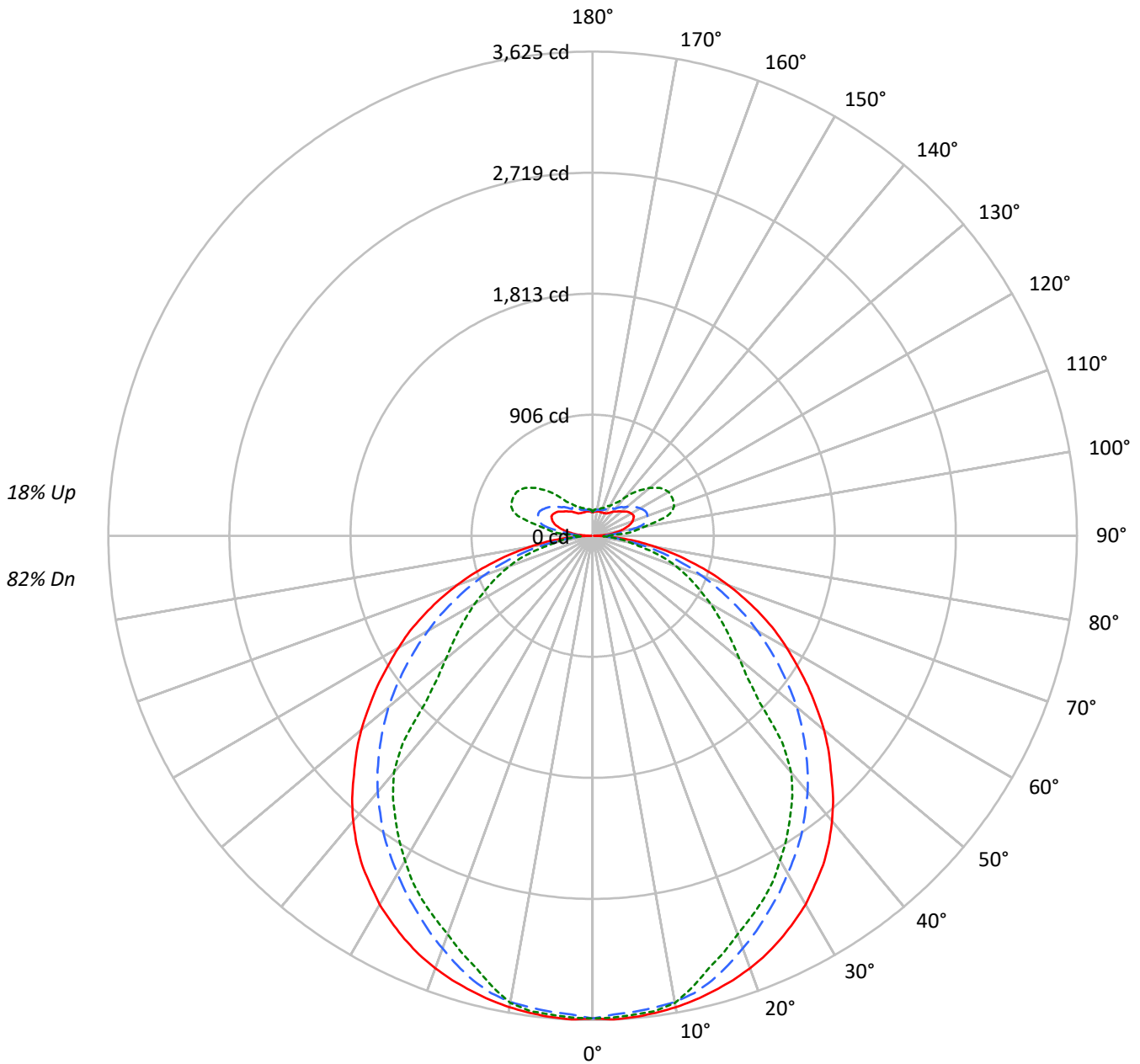
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11703.0 lumens
Efficiency: N/A
Efficacy: 98.3 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

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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°	9724	9724	9724
5°	9771	9662	9722
10°	9794	9684	9704
15°	9822	9607	9342
20°	9865	9414	9089
25°	9891	9228	8945
30°	9907	9076	8723
35°	9884	8957	8464
40°	9797	8793	8123
45°	9610	8577	6736
50°	9466	8346	5999
55°	9233	8012	5708
60°	9034	7653	5483
65°	8821	7234	5321
70°	8478	6776	5219
75°	8002	6211	4801
80°	7327	5225	4260
85°	6564	4526	4301



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	2.9
10°-20°	972.8	8.3
20°-30°	1451.9	12.4
30°-40°	1729.9	14.8
40°-50°	1720.7	14.7
50°-60°	1474.7	12.6
60°-70°	1110.6	9.5
70°-80°	643.2	5.5
80°-90°	193.3	1.7
90°-100°	207.5	1.8
100°-110°	426.2	3.6
110°-120°	450.6	3.9
120°-130°	376.0	3.2
130°-140°	262.6	2.2
140°-150°	163.5	1.4
150°-160°	101.3	0.9
160°-170°	57.1	0.5
170°-180°	18.4	0.2
0°-30°	2767.2	23.6
0°-40°	4497.1	38.4
0°-60°	7692.6	65.7
0°-90°	9639.8	82.4
90°-120°	1084.4	9.3
90°-150°	1886.5	16.1
90°-180°	2063.0	17.6
0°-180°	11703.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3614	3614	3614	3614	3614	
5°	3617	3606	3577	3603	3599	344
15°	3526	3522	3449	3390	3353	996
25°	3331	3284	3108	3031	3012	1536
35°	3009	2928	2727	2620	2576	1879
45°	2525	2463	2254	2030	1770	1952
55°	1968	1939	1708	1356	1217	1759
65°	1385	1352	1136	883	836	1369
75°	770	744	597	476	462	815
85°	213	187	147	139	139	227
90°	11	51	88	110	117	22
95°	117	158	180	264	286	112
105°	275	286	410	550	583	285
115°	341	290	436	601	660	332
125°	315	278	378	553	623	280
135°	256	278	304	410	473	200
145°	209	242	264	282	300	133
155°	191	202	216	235	238	88
165°	187	194	202	209	209	53
175°	183	187	191	194	198	17
180°	180	180	180	180	180	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3613.6	3613.6	3613.6	3613.6	3613.6
2.5°	3624.6	3617.2	3587.9	3617.2	3609.9
5°	3617.2	3606.2	3576.9	3602.6	3598.9
7.5°	3602.6	3595.2	3562.3	3591.6	3587.9
10°	3584.2	3573.2	3543.9	3565.9	3551.3
12.5°	3558.6	3551.3	3507.3	3489.0	3459.6
15°	3525.6	3521.9	3448.6	3390.0	3353.4
17.5°	3489.0	3474.3	3371.7	3302.0	3269.1
20°	3445.0	3423.0	3287.4	3206.8	3173.8
22.5°	3393.7	3360.7	3203.1	3126.1	3093.2
25°	3331.4	3283.7	3107.8	3030.8	3012.5
27.5°	3261.7	3206.8	3019.9	2942.9	2920.9
30°	3188.4	3118.8	2920.9	2847.6	2807.3
32.5°	3096.8	3030.8	2825.6	2741.3	2697.3
35°	3008.9	2928.2	2726.7	2620.4	2576.4
37.5°	2902.6	2821.9	2613.1	2506.8	2455.5
40°	2789.0	2708.3	2503.1	2378.5	2312.5
42.5°	2664.4	2591.1	2382.2	2231.9	2103.6
45°	2525.1	2462.8	2253.9	2030.3	1770.1
47.5°	2396.8	2338.2	2125.6	1836.1	1568.6
50°	2261.2	2206.3	1993.7	1652.9	1433.0
52.5°	2111.0	2070.7	1850.8	1495.3	1319.4
55°	1968.0	1938.7	1707.8	1356.0	1216.7
57.5°	1817.8	1788.5	1564.9	1224.1	1114.1
60°	1678.5	1649.2	1422.0	1106.8	1018.8
62.5°	1539.2	1498.9	1282.7	993.2	919.9
65°	1385.3	1352.3	1136.1	883.2	835.6
67.5°	1231.4	1202.1	1000.5	780.6	747.6
70°	1077.5	1051.8	861.2	681.7	663.3
72.5°	927.2	894.2	736.6	582.7	575.4
75°	769.6	744.0	597.4	476.4	461.8
77.5°	619.4	597.4	469.1	362.8	351.8
80°	472.8	450.8	337.2	263.9	274.9
82.5°	348.2	318.8	227.2	205.2	216.2
85°	212.6	186.9	146.6	139.3	139.3
87.5°	73.3	69.6	66.0	77.0	80.6
90°	11.0	51.3	88.0	109.9	117.3
92.5°	62.3	91.6	120.9	142.9	150.3
95°	117.3	157.6	179.6	263.9	285.9
97.5°	161.3	208.9	234.6	311.5	333.5
100°	205.2	249.2	329.8	370.2	395.8
102.5°	241.9	274.9	388.5	469.1	483.8
105°	274.9	285.9	410.5	549.7	582.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	329.8	293.2	439.8	597.4	656.0
115°	340.8	289.5	436.1	601.0	659.7
117.5°	340.8	289.5	425.1	601.0	659.7
120°	333.5	293.2	410.5	593.7	656.0
122.5°	326.2	285.9	395.8	579.0	641.4
125°	315.2	278.5	377.5	553.4	623.0
127.5°	296.9	285.9	359.2	520.4	590.0
130°	282.2	289.5	337.2	487.4	557.1
132.5°	271.2	282.2	315.2	450.8	513.1
135°	256.5	278.5	304.2	410.5	472.8
137.5°	245.5	267.5	285.9	373.8	425.1
140°	234.6	260.2	267.5	326.2	370.2
142.5°	219.9	249.2	252.9	304.2	322.5
145°	208.9	241.9	263.9	282.2	300.5
147.5°	197.9	227.2	256.5	260.2	278.5
150°	194.2	212.6	245.5	249.2	256.5
152.5°	190.6	205.2	227.2	249.2	252.9
155°	190.6	201.6	216.2	234.6	238.2
157.5°	186.9	201.6	208.9	223.6	227.2
160°	186.9	197.9	205.2	216.2	219.9
162.5°	186.9	197.9	201.6	212.6	216.2
165°	186.9	194.2	201.6	208.9	208.9
167.5°	186.9	194.2	197.9	205.2	205.2
170°	186.9	190.6	197.9	201.6	201.6
172.5°	183.2	190.6	194.2	201.6	201.6
175°	183.2	186.9	190.6	194.2	197.9
177.5°	175.9	186.9	190.6	194.2	190.6
180°	179.6	179.6	179.6	179.6	179.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	300.5	289.5	425.1	579.0	626.7
110°	318.8	293.2	436.1	590.0	648.7



(END OF REPORT)