

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: P520745

Luminaire Tested: **8WSLA-200-L950-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520745
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-200-L950-UPL15-UNV-U
Description: 8 FOOT, 4000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

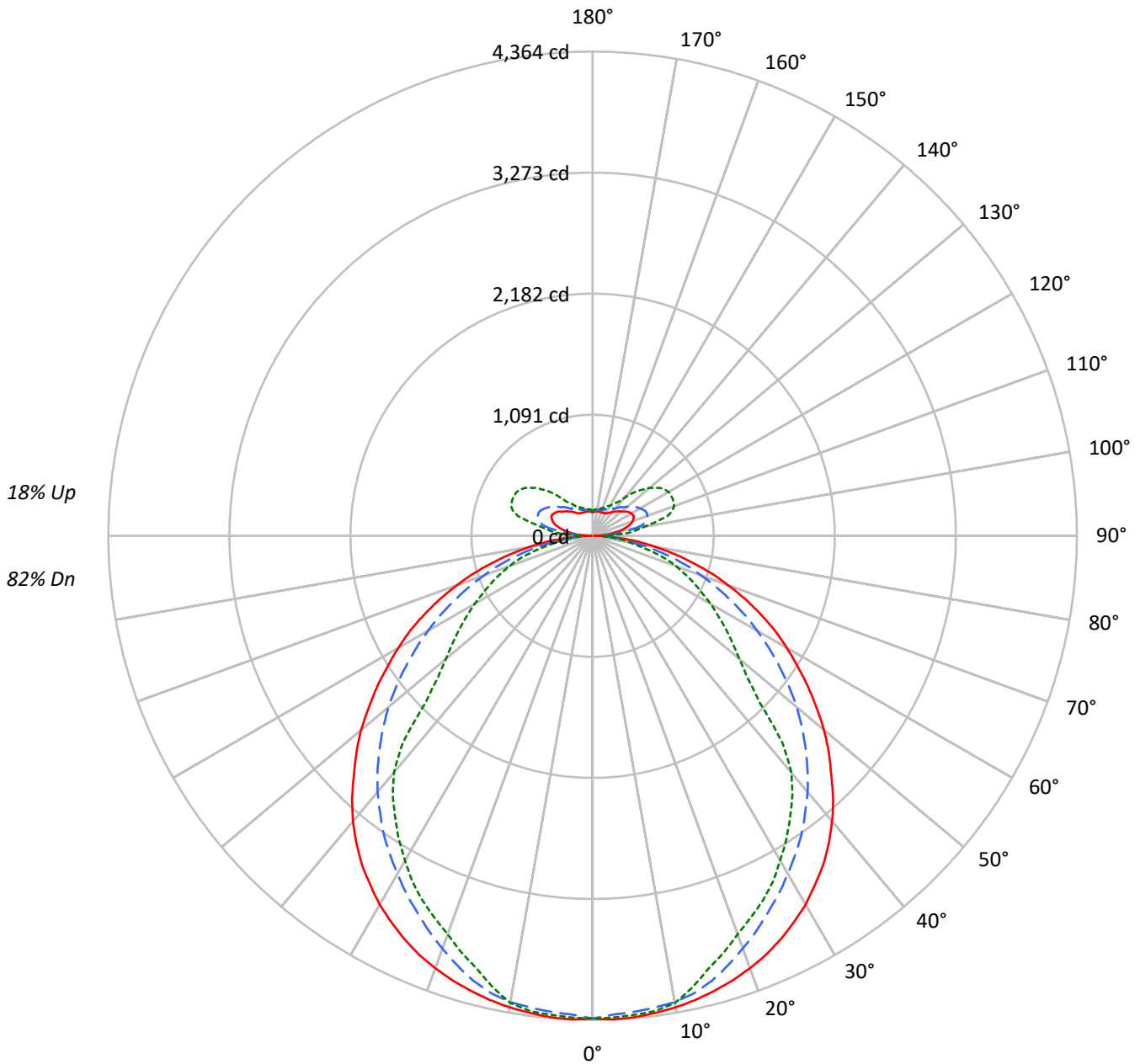
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14091.0 lumens
Efficiency: N/A
Efficacy: 92.5 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): 152.3
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: P520745
CATALOG NUMBER: 8WSLA-200-L950-UPL15-UNV-U

Luminous Intensity Polar Plot





TEST NUMBER: P520745

CATALOG NUMBER: 8WSLA-200-L950-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°	11708	11708	11708
5°	11765	11634	11705
10°	11792	11660	11684
15°	11826	11568	11248
20°	11878	11335	10943
25°	11910	11111	10770
30°	11929	10928	10503
35°	11901	10785	10191
40°	11796	10587	9781
45°	11570	10328	8111
50°	11398	10050	7223
55°	11117	9647	6873
60°	10877	9214	6602
65°	10621	8710	6406
70°	10207	8159	6284
75°	9635	7479	5781
80°	8821	6292	5129
85°	7901	5450	5178



TEST NUMBER: P520745

CATALOG NUMBER: 8WSLA-200-L950-UPL15-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.4	2.9
10°-20°	1171.3	8.3
20°-30°	1748.1	12.4
30°-40°	2082.9	14.8
40°-50°	2071.8	14.7
50°-60°	1775.6	12.6
60°-70°	1337.3	9.5
70°-80°	774.5	5.5
80°-90°	232.8	1.7
90°-100°	249.9	1.8
100°-110°	513.2	3.6
110°-120°	542.6	3.9
120°-130°	452.7	3.2
130°-140°	316.2	2.2
140°-150°	196.8	1.4
150°-160°	122.0	0.9
160°-170°	68.7	0.5
170°-180°	22.2	0.2
0°-30°	3331.8	23.6
0°-40°	5414.8	38.4
0°-60°	9262.2	65.7
0°-90°	11606.8	82.4
90°-120°	1305.7	9.3
90°-150°	2271.4	16.1
90°-180°	2484.0	17.6
0°-180°	14091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4351	4351	4351	4351	4351	
5°	4355	4342	4307	4338	4333	414
15°	4245	4241	4152	4082	4038	1200
25°	4011	3954	3742	3649	3627	1849
35°	3623	3526	3283	3155	3102	2263
45°	3040	2965	2714	2445	2131	2350
55°	2370	2334	2056	1633	1465	2118
65°	1668	1628	1368	1064	1006	1649
75°	927	896	719	574	556	982
85°	256	225	176	168	168	273
90°	13	62	106	132	141	26
95°	141	190	216	318	344	135
105°	331	344	494	662	702	343
115°	410	349	525	724	794	400
125°	380	335	454	666	750	337
135°	309	335	366	494	569	241
145°	252	291	318	340	362	160
155°	230	243	260	282	287	106
165°	225	234	243	252	252	64
175°	221	225	230	234	238	21
180°	216	216	216	216	216	



TEST NUMBER: P520745

CATALOG NUMBER: 8WSLA-200-L950-UPL15-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4350.9	4350.9	4350.9	4350.9	4350.9
2.5°	4364.1	4355.3	4320.0	4355.3	4346.5
5°	4355.3	4342.1	4306.8	4337.7	4333.3
7.5°	4337.7	4328.8	4289.1	4324.4	4320.0
10°	4315.6	4302.4	4267.1	4293.5	4275.9
12.5°	4284.7	4275.9	4222.9	4200.9	4165.6
15°	4245.0	4240.6	4152.3	4081.7	4037.6
17.5°	4200.9	4183.2	4059.7	3975.8	3936.1
20°	4147.9	4121.5	3958.2	3861.1	3821.4
22.5°	4086.1	4046.4	3856.7	3764.0	3724.3
25°	4011.1	3953.8	3742.0	3649.3	3627.2
27.5°	3927.3	3861.1	3636.1	3543.4	3516.9
30°	3839.0	3755.2	3516.9	3428.7	3380.1
32.5°	3728.7	3649.3	3402.2	3300.7	3247.7
35°	3622.8	3525.7	3283.0	3155.1	3102.1
37.5°	3494.8	3397.8	3146.2	3018.3	2956.5
40°	3358.1	3261.0	3013.9	2863.8	2784.4
42.5°	3208.0	3119.8	2868.2	2687.3	2532.9
45°	3040.3	2965.3	2713.8	2444.6	2131.3
47.5°	2885.9	2815.3	2559.4	2210.8	1888.6
50°	2722.6	2656.4	2400.5	1990.1	1725.4
52.5°	2541.7	2493.2	2228.4	1800.4	1588.6
55°	2369.6	2334.3	2056.3	1632.7	1465.0
57.5°	2188.7	2153.4	1884.2	1473.8	1341.5
60°	2021.0	1985.7	1712.1	1332.6	1226.7
62.5°	1853.3	1804.8	1544.4	1195.8	1107.6
65°	1668.0	1628.3	1367.9	1063.5	1006.1
67.5°	1482.7	1447.4	1204.7	939.9	900.2
70°	1297.3	1266.4	1037.0	820.8	798.7
72.5°	1116.4	1076.7	887.0	701.6	692.8
75°	926.7	895.8	719.3	573.6	556.0
77.5°	745.7	719.3	564.8	436.9	423.6
80°	569.2	542.8	406.0	317.7	331.0
82.5°	419.2	383.9	273.6	247.1	260.3
85°	255.9	225.0	176.5	167.7	167.7
87.5°	88.3	83.8	79.4	92.7	97.1
90°	13.2	61.8	105.9	132.4	141.2
92.5°	75.0	110.3	145.6	172.1	180.9
95°	141.2	189.7	216.2	317.7	344.2
97.5°	194.2	251.5	282.4	375.1	401.6
100°	247.1	300.1	397.1	445.7	476.6
102.5°	291.2	331.0	467.7	564.8	582.5
105°	331.0	344.2	494.2	661.9	701.6



TEST NUMBER: P520745

CATALOG NUMBER: 8WSLA-200-L950-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	397.1	353.0	529.5	719.3	789.9
115°	410.4	348.6	525.1	723.7	794.3
117.5°	410.4	348.6	511.9	723.7	794.3
120°	401.6	353.0	494.2	714.9	789.9
122.5°	392.7	344.2	476.6	697.2	772.2
125°	379.5	335.4	454.5	666.3	750.2
127.5°	357.4	344.2	432.4	626.6	710.4
130°	339.8	348.6	406.0	586.9	670.7
132.5°	326.5	339.8	379.5	542.8	617.8
135°	308.9	335.4	366.3	494.2	569.2
137.5°	295.7	322.1	344.2	450.1	511.9
140°	282.4	313.3	322.1	392.7	445.7
142.5°	264.8	300.1	304.5	366.3	388.3
145°	251.5	291.2	317.7	339.8	361.8
147.5°	238.3	273.6	308.9	313.3	335.4
150°	233.9	255.9	295.7	300.1	308.9
152.5°	229.5	247.1	273.6	300.1	304.5
155°	229.5	242.7	260.3	282.4	286.8
157.5°	225.0	242.7	251.5	269.2	273.6
160°	225.0	238.3	247.1	260.3	264.8
162.5°	225.0	238.3	242.7	255.9	260.3
165°	225.0	233.9	242.7	251.5	251.5
167.5°	225.0	233.9	238.3	247.1	247.1
170°	225.0	229.5	238.3	242.7	242.7
172.5°	220.6	229.5	233.9	242.7	242.7
175°	220.6	225.0	229.5	233.9	238.3
177.5°	211.8	225.0	229.5	233.9	229.5
180°	216.2	216.2	216.2	216.2	216.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	361.8	348.6	511.9	697.2	754.6
110°	383.9	353.0	525.1	710.4	781.0



(END OF REPORT)