

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: P520746

Luminaire Tested: **8WSLA-200-L950-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520746
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-200-L950-UPL8-UNV-U
Description: 8 FOOT, 4000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

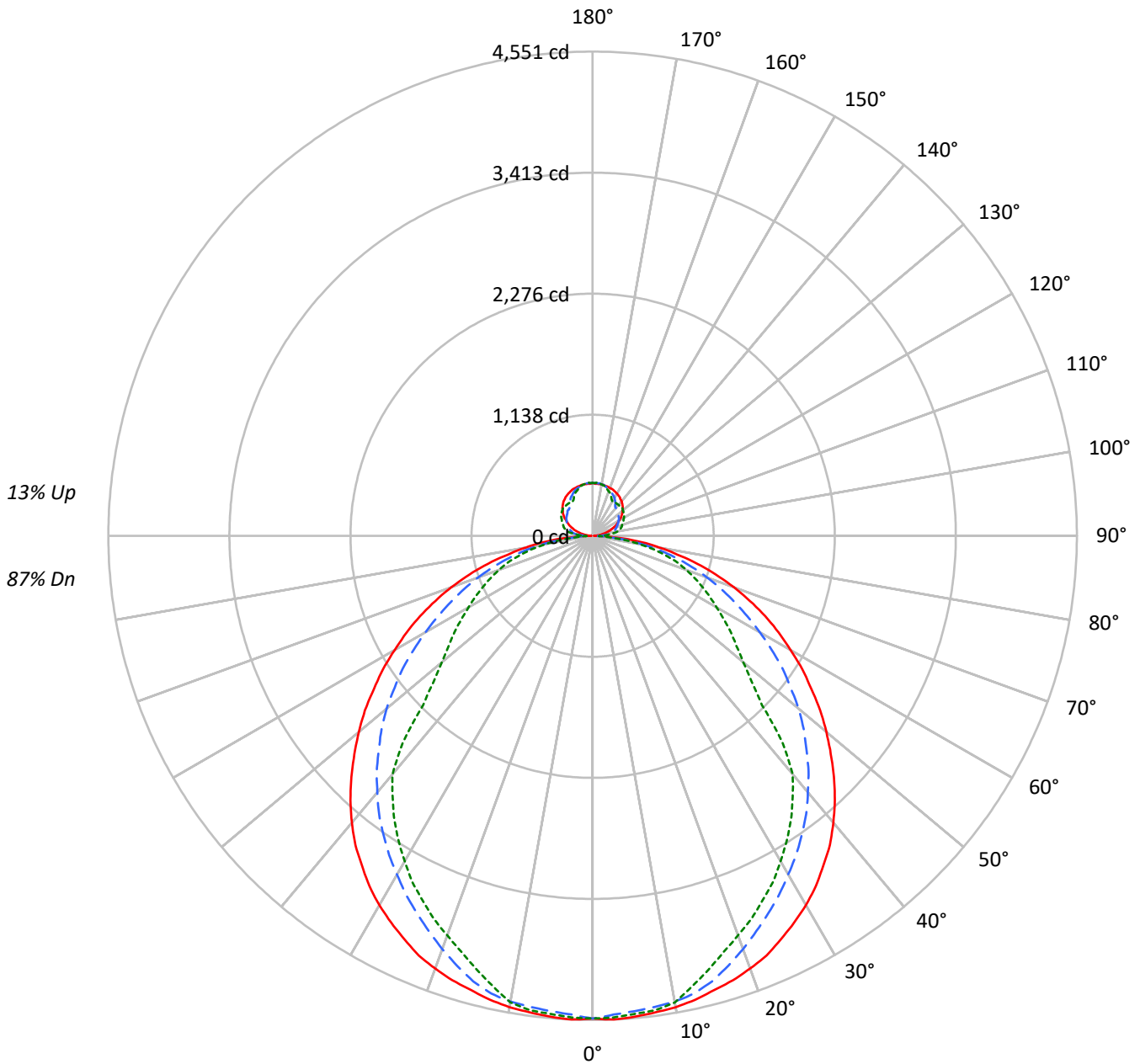
Lumens per Lamp: N/A
Luminaire Lumens: 14123.0 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 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

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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	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°	12212	12212	12212
5°	12259	12117	12188
10°	12293	12150	12168
15°	12315	12079	11751
20°	12397	11836	11444
25°	12427	11613	11225
30°	12458	11423	10976
35°	12420	11261	10682
40°	12363	11056	10276
45°	12201	10809	8573
50°	12000	10579	7736
55°	11764	10232	7444
60°	11562	9769	7239
65°	11392	9355	7234
70°	11097	8991	7346
75°	10591	8554	7400
80°	9916	7689	6881
85°	9071	5443	4638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.6	3.0
10°-20°	1221.4	8.6
20°-30°	1825.0	12.9
30°-40°	2178.5	15.4
40°-50°	2178.7	15.4
50°-60°	1885.6	13.4
60°-70°	1447.3	10.2
70°-80°	886.8	6.3
80°-90°	249.7	1.8
90°-100°	141.1	1.0
100°-110°	224.0	1.6
110°-120°	261.8	1.9
120°-130°	282.7	2.0
130°-140°	278.5	2.0
140°-150°	246.4	1.7
150°-160°	202.8	1.4
160°-170°	135.7	1.0
170°-180°	47.3	0.3
0°-30°	3476.0	24.6
0°-40°	5654.6	40.0
0°-60°	9718.9	68.8
0°-90°	12302.6	87.1
90°-120°	626.9	4.4
90°-150°	1434.6	10.2
90°-180°	1820.0	12.9
0°-180°	14123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4538	4538	4538	4538	4538	
5°	4538	4525	4486	4518	4512	432
15°	4420	4414	4336	4257	4218	1251
25°	4186	4133	3911	3807	3781	1931
35°	3781	3683	3428	3304	3252	2367
45°	3206	3115	2840	2586	2253	2472
55°	2507	2449	2181	1743	1587	2248
65°	1789	1724	1469	1182	1136	1767
75°	1019	966	823	712	712	1075
85°	294	242	176	150	150	307
90°	13	46	72	91	98	21
95°	52	111	150	157	157	51
105°	150	157	222	261	274	158
115°	248	209	261	300	320	242
125°	333	268	300	346	359	297
135°	398	359	333	366	385	307
145°	444	424	372	366	379	277
155°	470	464	438	418	411	217
165°	483	490	477	477	477	137
175°	490	496	496	503	503	47
180°	496	496	496	496	496	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4538.1	4538.1	4538.1	4538.1	4538.1
2.5°	4551.1	4538.1	4505.4	4538.1	4531.5
5°	4538.1	4525.0	4485.8	4518.5	4511.9
7.5°	4518.5	4505.4	4466.2	4505.4	4498.9
10°	4498.9	4485.8	4446.6	4472.8	4453.2
12.5°	4466.2	4453.2	4407.5	4374.8	4335.6
15°	4420.5	4414.0	4335.6	4257.3	4218.1
17.5°	4381.3	4361.8	4237.7	4146.3	4100.6
20°	4329.1	4296.5	4133.2	4028.7	3996.1
22.5°	4270.3	4218.1	4022.2	3924.3	3898.2
25°	4185.5	4133.2	3911.2	3806.7	3780.6
27.5°	4100.6	4035.3	3800.2	3695.7	3669.6
30°	4009.2	3917.7	3676.1	3578.2	3532.5
32.5°	3904.7	3813.3	3558.6	3447.6	3395.4
35°	3780.6	3682.7	3428.0	3304.0	3251.7
37.5°	3663.1	3558.6	3297.4	3160.3	3088.5
40°	3519.4	3415.0	3147.3	2997.1	2925.2
42.5°	3369.3	3271.3	3003.6	2820.8	2644.5
45°	3206.0	3114.6	2840.4	2585.7	2252.7
47.5°	3036.3	2957.9	2690.2	2344.1	2024.2
50°	2866.5	2788.1	2526.9	2115.6	1847.9
52.5°	2696.7	2631.4	2344.1	1926.2	1704.2
55°	2507.4	2448.6	2180.9	1743.4	1586.7
57.5°	2337.6	2278.8	1991.5	1593.2	1462.6
60°	2148.2	2096.0	1815.2	1443.0	1345.1
62.5°	1971.9	1913.2	1638.9	1312.4	1240.6
65°	1789.1	1723.8	1469.2	1181.9	1136.1
67.5°	1599.7	1534.4	1305.9	1064.3	1038.2
70°	1410.4	1358.2	1142.7	946.8	933.7
72.5°	1214.5	1155.7	979.4	835.8	835.8
75°	1018.6	966.4	822.7	711.7	711.7
77.5°	816.2	790.1	659.5	581.1	587.7
80°	639.9	607.3	496.2	444.0	444.0
82.5°	470.1	431.0	333.0	293.8	306.9
85°	293.8	241.6	176.3	150.2	150.2
87.5°	91.4	71.8	52.2	58.8	58.8
90°	13.1	45.7	71.8	91.4	97.9
92.5°	32.6	84.9	104.5	124.1	130.6
95°	52.2	111.0	150.2	156.7	156.7
97.5°	71.8	124.1	182.8	208.9	208.9
100°	97.9	130.6	195.9	235.1	241.6
102.5°	124.1	143.7	208.9	248.1	261.2
105°	150.2	156.7	222.0	261.2	274.2



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CATALOG NUMBER: 8WSLA-200-L950-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	222.0	195.9	248.1	293.8	306.9
115°	248.1	208.9	261.2	300.4	319.9
117.5°	267.7	228.5	274.2	313.4	326.5
120°	287.3	241.6	280.8	326.5	339.5
122.5°	313.4	254.7	293.8	333.0	352.6
125°	333.0	267.7	300.4	346.1	359.1
127.5°	352.6	293.8	306.9	352.6	365.7
130°	365.7	319.9	313.4	359.1	372.2
132.5°	385.2	339.5	319.9	365.7	378.7
135°	398.3	359.1	333.0	365.7	385.2
137.5°	411.4	378.7	333.0	365.7	378.7
140°	424.4	398.3	339.5	365.7	378.7
142.5°	431.0	411.4	346.1	365.7	378.7
145°	444.0	424.4	372.2	365.7	378.7
147.5°	450.5	437.5	391.8	365.7	378.7
150°	457.1	450.5	411.4	372.2	372.2
152.5°	463.6	457.1	424.4	398.3	385.2
155°	470.1	463.6	437.5	417.9	411.4
157.5°	476.7	476.7	450.5	437.5	431.0
160°	476.7	483.2	463.6	450.5	444.0
162.5°	483.2	489.7	470.1	463.6	457.1
165°	483.2	489.7	476.7	476.7	476.7
167.5°	489.7	496.2	489.7	483.2	483.2
170°	489.7	496.2	489.7	489.7	489.7
172.5°	489.7	496.2	496.2	496.2	496.2
175°	489.7	496.2	496.2	502.8	502.8
177.5°	489.7	496.2	496.2	496.2	496.2
180°	496.2	496.2	496.2	496.2	496.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	176.3	169.8	228.5	274.2	287.3
110°	195.9	182.8	241.6	280.8	293.8



(END OF REPORT)