

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: P520740

Luminaire Tested: **8WSLA-200-L935-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520740
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-L935-UPL8-UNV-U
Description: 8 FOOT, 4000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

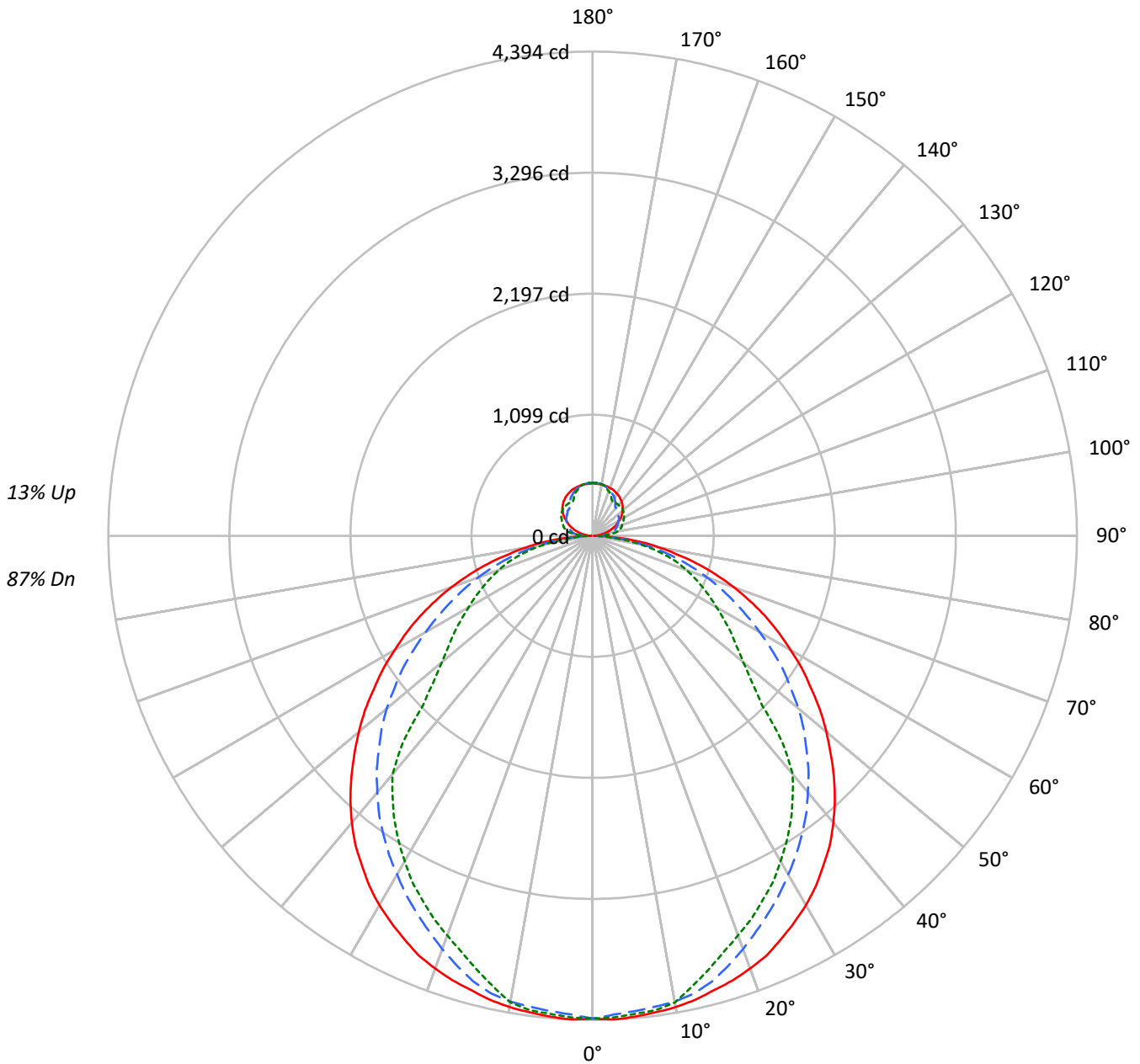
Lumens per Lamp: N/A
Luminaire Lumens: 13635.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

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°	11790	11790	11790
5°	11835	11699	11767
10°	11868	11731	11748
15°	11890	11661	11345
20°	11969	11427	11048
25°	11998	11212	10837
30°	12027	11028	10597
35°	11991	10872	10313
40°	11936	10674	9921
45°	11779	10436	8277
50°	11585	10213	7469
55°	11357	9878	7187
60°	11162	9432	6989
65°	10998	9032	6984
70°	10714	8680	7093
75°	10225	8258	7144
80°	9574	7424	6643
85°	8759	5255	4477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.8	3.0
10°-20°	1179.2	8.6
20°-30°	1761.9	12.9
30°-40°	2103.3	15.4
40°-50°	2103.5	15.4
50°-60°	1820.4	13.4
60°-70°	1397.3	10.2
70°-80°	856.2	6.3
80°-90°	241.0	1.8
90°-100°	136.2	1.0
100°-110°	216.2	1.6
110°-120°	252.8	1.9
120°-130°	272.9	2.0
130°-140°	268.9	2.0
140°-150°	237.9	1.7
150°-160°	195.8	1.4
160°-170°	131.0	1.0
170°-180°	45.6	0.3
0°-30°	3355.9	24.6
0°-40°	5459.2	40.0
0°-60°	9383.1	68.8
0°-90°	11877.6	87.1
90°-120°	605.3	4.4
90°-150°	1385.0	10.2
90°-180°	1757.0	12.9
0°-180°	13635.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4381	4381	4381	4381	4381	
5°	4381	4369	4331	4362	4356	417
15°	4268	4262	4186	4110	4072	1207
25°	4041	3990	3776	3675	3650	1864
35°	3650	3555	3310	3190	3139	2286
45°	3095	3007	2742	2496	2175	2387
55°	2421	2364	2106	1683	1532	2170
65°	1727	1664	1418	1141	1097	1706
75°	983	933	794	687	687	1037
85°	284	233	170	145	145	297
90°	13	44	69	88	95	20
95°	50	107	145	151	151	50
105°	145	151	214	252	265	152
115°	240	202	252	290	309	234
125°	322	258	290	334	347	286
135°	384	347	322	353	372	297
145°	429	410	359	353	366	267
155°	454	448	422	404	397	209
165°	466	473	460	460	460	133
175°	473	479	479	485	485	45
180°	479	479	479	479	479	



TEST NUMBER: P520740

CATALOG NUMBER: 8WSLA-200-L935-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4381.2	4381.2	4381.2	4381.2	4381.2
2.5°	4393.9	4381.2	4349.7	4381.2	4374.9
5°	4381.2	4368.6	4330.8	4362.3	4356.0
7.5°	4362.3	4349.7	4311.9	4349.7	4343.4
10°	4343.4	4330.8	4293.0	4318.2	4299.3
12.5°	4311.9	4299.3	4255.2	4223.6	4185.8
15°	4267.8	4261.5	4185.8	4110.2	4072.4
17.5°	4230.0	4211.0	4091.3	4003.0	3958.9
20°	4179.5	4148.0	3990.4	3889.5	3858.0
22.5°	4122.8	4072.4	3883.2	3788.7	3763.5
25°	4040.8	3990.4	3776.1	3675.2	3650.0
27.5°	3958.9	3895.8	3668.9	3568.0	3542.8
30°	3870.6	3782.4	3549.1	3454.6	3410.4
32.5°	3769.8	3681.5	3435.7	3328.5	3278.1
35°	3650.0	3555.4	3309.6	3189.8	3139.4
37.5°	3536.5	3435.7	3183.5	3051.1	2981.8
40°	3397.8	3297.0	3038.5	2893.5	2824.2
42.5°	3252.8	3158.3	2899.8	2723.3	2553.1
45°	3095.2	3007.0	2742.2	2496.4	2174.9
47.5°	2931.3	2855.7	2597.2	2263.1	1954.2
50°	2767.4	2691.8	2439.6	2042.5	1784.0
52.5°	2603.5	2540.5	2263.1	1859.7	1645.3
55°	2420.7	2364.0	2105.5	1683.2	1531.9
57.5°	2256.8	2200.1	1922.7	1538.2	1412.1
60°	2074.0	2023.6	1752.5	1393.2	1298.6
62.5°	1903.8	1847.1	1582.3	1267.1	1197.8
65°	1727.3	1664.2	1418.4	1141.0	1096.9
67.5°	1544.5	1481.4	1260.8	1027.5	1002.3
70°	1361.7	1311.2	1103.2	914.1	901.5
72.5°	1172.5	1115.8	945.6	806.9	806.9
75°	983.4	933.0	794.3	687.1	687.1
77.5°	788.0	762.8	636.7	561.1	567.4
80°	617.8	586.3	479.1	428.7	428.7
82.5°	453.9	416.1	321.5	283.7	296.3
85°	283.7	233.2	170.2	145.0	145.0
87.5°	88.3	69.3	50.4	56.7	56.7
90°	12.6	44.1	69.3	88.3	94.6
92.5°	31.5	82.0	100.9	119.8	126.1
95°	50.4	107.2	145.0	151.3	151.3
97.5°	69.3	119.8	176.5	201.7	201.7
100°	94.6	126.1	189.1	226.9	233.2
102.5°	119.8	138.7	201.7	239.6	252.2
105°	145.0	151.3	214.3	252.2	264.8



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CATALOG NUMBER: 8WSLA-200-L935-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	214.3	189.1	239.6	283.7	296.3
115°	239.6	201.7	252.2	290.0	308.9
117.5°	258.5	220.6	264.8	302.6	315.2
120°	277.4	233.2	271.1	315.2	327.8
122.5°	302.6	245.9	283.7	321.5	340.4
125°	321.5	258.5	290.0	334.1	346.7
127.5°	340.4	283.7	296.3	340.4	353.0
130°	353.0	308.9	302.6	346.7	359.3
132.5°	371.9	327.8	308.9	353.0	365.6
135°	384.5	346.7	321.5	353.0	371.9
137.5°	397.1	365.6	321.5	353.0	365.6
140°	409.8	384.5	327.8	353.0	365.6
142.5°	416.1	397.1	334.1	353.0	365.6
145°	428.7	409.8	359.3	353.0	365.6
147.5°	435.0	422.4	378.2	353.0	365.6
150°	441.3	435.0	397.1	359.3	359.3
152.5°	447.6	441.3	409.8	384.5	371.9
155°	453.9	447.6	422.4	403.5	397.1
157.5°	460.2	460.2	435.0	422.4	416.1
160°	460.2	466.5	447.6	435.0	428.7
162.5°	466.5	472.8	453.9	447.6	441.3
165°	466.5	472.8	460.2	460.2	460.2
167.5°	472.8	479.1	472.8	466.5	466.5
170°	472.8	479.1	472.8	472.8	472.8
172.5°	472.8	479.1	479.1	479.1	479.1
175°	472.8	479.1	479.1	485.4	485.4
177.5°	472.8	479.1	479.1	479.1	479.1
180°	479.1	479.1	479.1	479.1	479.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	170.2	163.9	220.6	264.8	277.4
110°	189.1	176.5	233.2	271.1	283.7



(END OF REPORT)