

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: P520742

Luminaire Tested: **8WSLA-200-L940-UPL15-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520742
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-L940-UPL15-UNV-U
Description: 8 FOOT, 4000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 4000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

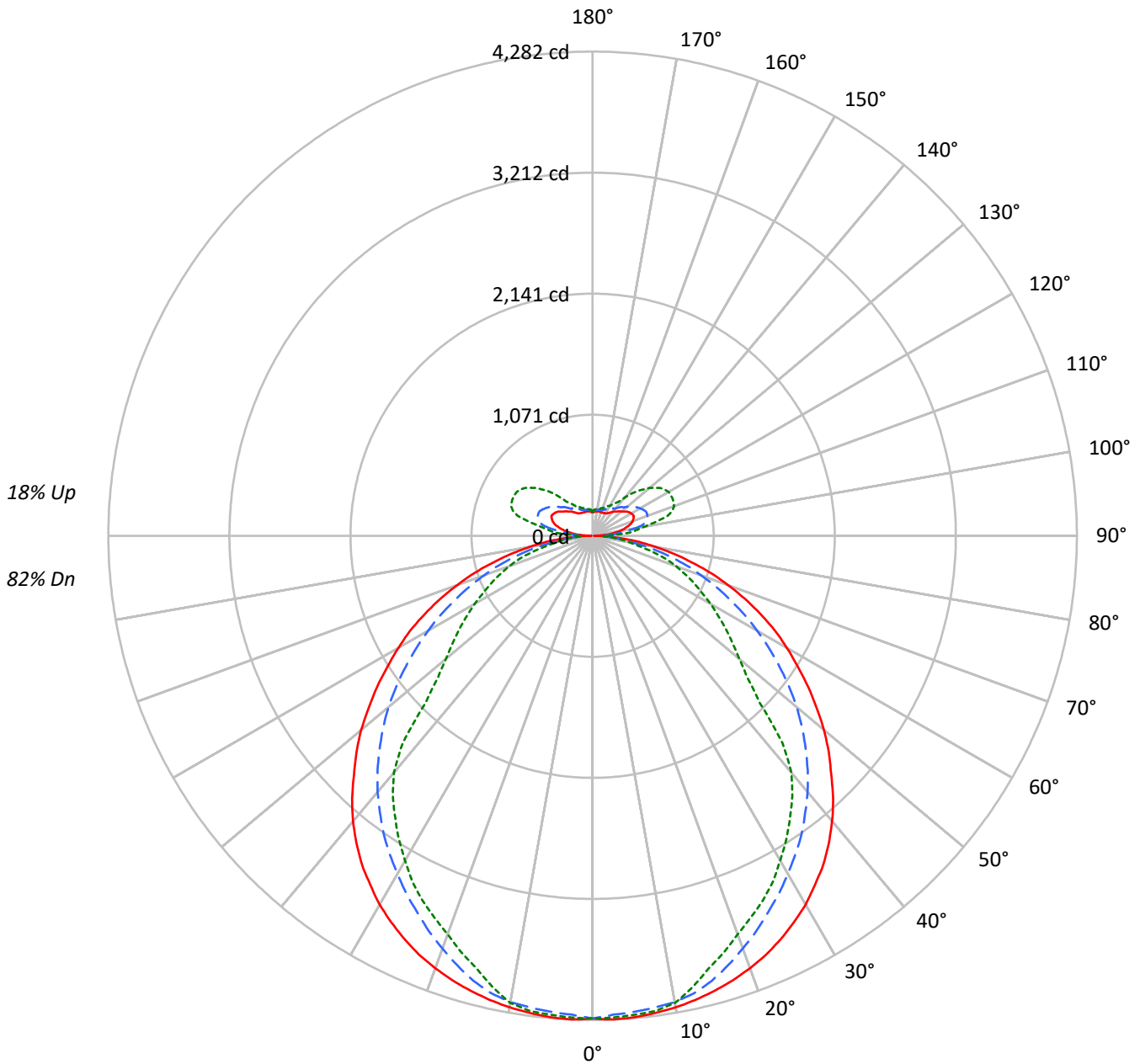
Lumens per Lamp: N/A
Luminaire Lumens: 13827.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

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

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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	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°	11489	11489	11489
5°	11544	11416	11486
10°	11572	11441	11465
15°	11605	11351	11038
20°	11656	11123	10738
25°	11687	10902	10568
30°	11705	10723	10306
35°	11678	10583	10000
40°	11575	10389	9598
45°	11354	10134	7959
50°	11184	9861	7088
55°	10909	9467	6745
60°	10673	9042	6478
65°	10422	8547	6286
70°	10016	8006	6166
75°	9454	7338	5673
80°	8656	6174	5033
85°	7753	5348	5079



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.6	2.9
10°-20°	1149.4	8.3
20°-30°	1715.4	12.4
30°-40°	2043.9	14.8
40°-50°	2033.0	14.7
50°-60°	1742.4	12.6
60°-70°	1312.2	9.5
70°-80°	760.0	5.5
80°-90°	228.4	1.7
90°-100°	245.2	1.8
100°-110°	503.6	3.6
110°-120°	532.5	3.9
120°-130°	444.2	3.2
130°-140°	310.3	2.2
140°-150°	193.1	1.4
150°-160°	119.7	0.9
160°-170°	67.4	0.5
170°-180°	21.7	0.2
0°-30°	3269.4	23.6
0°-40°	5313.3	38.4
0°-60°	9088.7	65.7
0°-90°	11389.3	82.4
90°-120°	1281.2	9.3
90°-150°	2228.8	16.1
90°-180°	2438.0	17.6
0°-180°	13827.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4269	4269	4269	4269	4269	
5°	4274	4261	4226	4256	4252	407
15°	4166	4161	4074	4005	3962	1177
25°	3936	3880	3672	3581	3559	1815
35°	3555	3460	3222	3096	3044	2220
45°	2983	2910	2663	2399	2091	2306
55°	2325	2291	2018	1602	1438	2079
65°	1637	1598	1342	1044	987	1618
75°	909	879	706	563	546	963
85°	251	221	173	164	164	268
90°	13	61	104	130	139	26
95°	139	186	212	312	338	133
105°	325	338	485	650	688	337
115°	403	342	515	710	779	392
125°	372	329	446	654	736	331
135°	303	329	359	485	559	237
145°	247	286	312	333	355	157
155°	225	238	256	277	282	104
165°	221	230	238	247	247	63
175°	216	221	225	230	234	21
180°	212	212	212	212	212	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4269.4	4269.4	4269.4	4269.4	4269.4
2.5°	4282.4	4273.7	4239.1	4273.7	4265.1
5°	4273.7	4260.7	4226.1	4256.4	4252.1
7.5°	4256.4	4247.7	4208.8	4243.4	4239.1
10°	4234.8	4221.8	4187.1	4213.1	4195.8
12.5°	4204.4	4195.8	4143.8	4122.2	4087.5
15°	4165.5	4161.1	4074.5	4005.3	3962.0
17.5°	4122.2	4104.9	3983.6	3901.3	3862.4
20°	4070.2	4044.2	3884.0	3788.8	3749.8
22.5°	4009.6	3970.6	3784.4	3693.5	3654.5
25°	3936.0	3879.7	3671.9	3580.9	3559.3
27.5°	3853.7	3788.8	3567.9	3477.0	3451.0
30°	3767.1	3684.8	3451.0	3364.4	3316.8
32.5°	3658.9	3580.9	3338.4	3238.9	3186.9
35°	3554.9	3459.7	3221.5	3096.0	3044.0
37.5°	3429.4	3334.1	3087.3	2961.7	2901.1
40°	3295.1	3199.9	2957.4	2810.2	2732.2
42.5°	3147.9	3061.3	2814.5	2637.0	2485.4
45°	2983.4	2909.8	2663.0	2398.8	2091.4
47.5°	2831.8	2762.5	2511.4	2169.3	1853.2
50°	2671.6	2606.7	2355.5	1952.8	1693.0
52.5°	2494.1	2446.5	2186.7	1766.6	1558.8
55°	2325.2	2290.6	2017.8	1602.1	1437.6
57.5°	2147.7	2113.0	1848.9	1446.2	1316.3
60°	1983.1	1948.5	1680.0	1307.7	1203.7
62.5°	1818.6	1771.0	1515.5	1173.4	1086.8
65°	1636.7	1597.8	1342.3	1043.5	987.2
67.5°	1454.9	1420.2	1182.1	922.3	883.3
70°	1273.0	1242.7	1017.6	805.4	783.7
72.5°	1095.5	1056.5	870.3	688.5	679.8
75°	909.3	879.0	705.8	562.9	545.6
77.5°	731.8	705.8	554.2	428.7	415.7
80°	558.6	532.6	398.4	311.8	324.8
82.5°	411.4	376.7	268.5	242.5	255.5
85°	251.1	220.8	173.2	164.5	164.5
87.5°	86.6	82.3	77.9	90.9	95.3
90°	13.0	60.6	103.9	129.9	138.6
92.5°	73.6	108.3	142.9	168.9	177.5
95°	138.6	186.2	212.2	311.8	337.7
97.5°	190.5	246.8	277.1	368.1	394.0
100°	242.5	294.4	389.7	437.3	467.6
102.5°	285.8	324.8	459.0	554.2	571.6
105°	324.8	337.7	485.0	649.5	688.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	389.7	346.4	519.6	705.8	775.1
115°	402.7	342.1	515.3	710.1	779.4
117.5°	402.7	342.1	502.3	710.1	779.4
120°	394.0	346.4	485.0	701.5	775.1
122.5°	385.4	337.7	467.6	684.1	757.8
125°	372.4	329.1	446.0	653.8	736.1
127.5°	350.7	337.7	424.3	614.9	697.1
130°	333.4	342.1	398.4	575.9	658.2
132.5°	320.4	333.4	372.4	532.6	606.2
135°	303.1	329.1	359.4	485.0	558.6
137.5°	290.1	316.1	337.7	441.7	502.3
140°	277.1	307.4	316.1	385.4	437.3
142.5°	259.8	294.4	298.8	359.4	381.0
145°	246.8	285.8	311.8	333.4	355.1
147.5°	233.8	268.5	303.1	307.4	329.1
150°	229.5	251.1	290.1	294.4	303.1
152.5°	225.2	242.5	268.5	294.4	298.8
155°	225.2	238.2	255.5	277.1	281.5
157.5°	220.8	238.2	246.8	264.1	268.5
160°	220.8	233.8	242.5	255.5	259.8
162.5°	220.8	233.8	238.2	251.1	255.5
165°	220.8	229.5	238.2	246.8	246.8
167.5°	220.8	229.5	233.8	242.5	242.5
170°	220.8	225.2	233.8	238.2	238.2
172.5°	216.5	225.2	229.5	238.2	238.2
175°	216.5	220.8	225.2	229.5	233.8
177.5°	207.8	220.8	225.2	229.5	225.2
180°	212.2	212.2	212.2	212.2	212.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	355.1	342.1	502.3	684.1	740.4
110°	376.7	346.4	515.3	697.1	766.4



(END OF REPORT)