

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: P520568

Luminaire Tested: **4WSLA-200-L930-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520568
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: 4WSLA-200-L930-UPL15-UNV-U
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

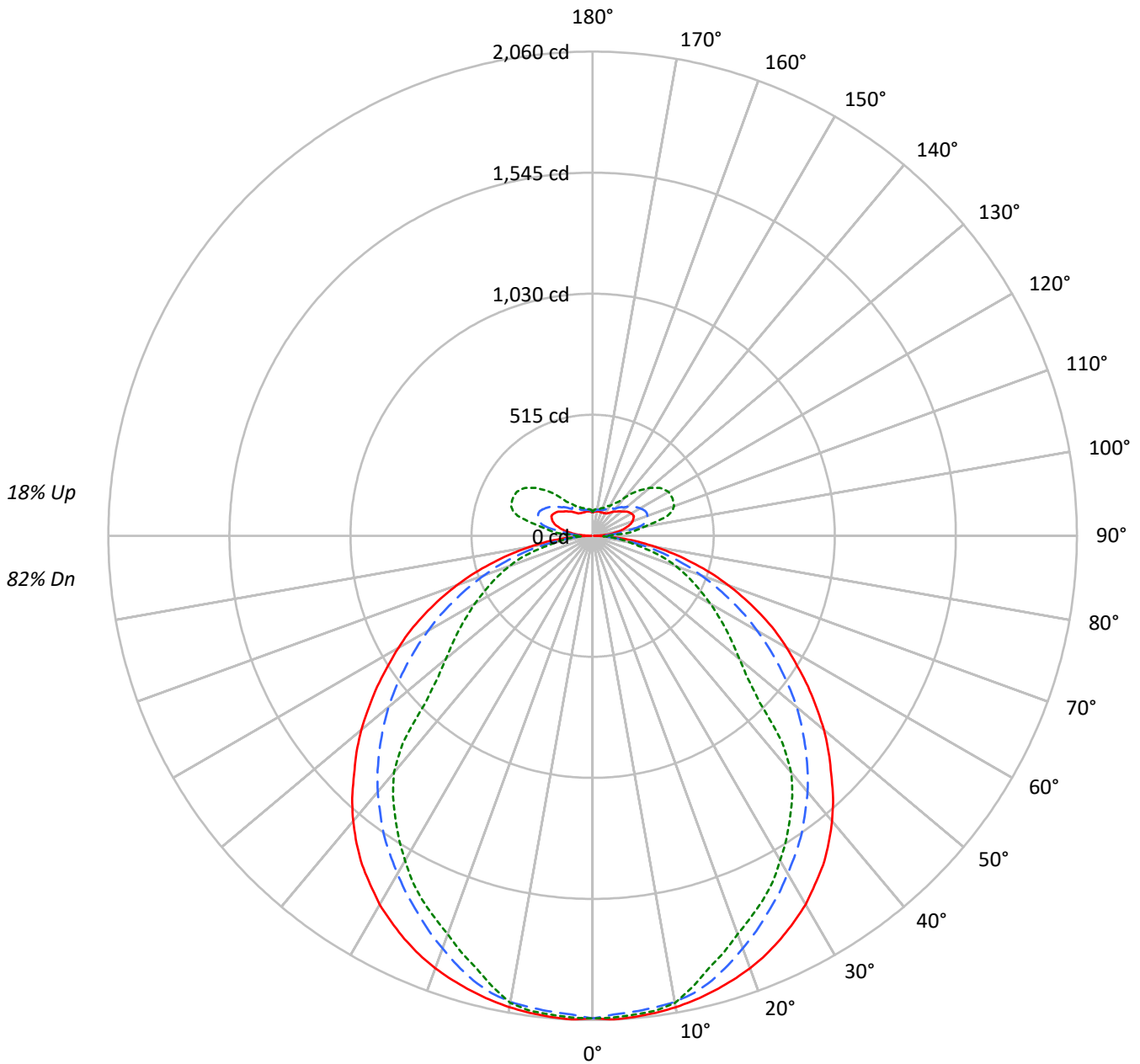
Lumens per Lamp: N/A
Luminaire Lumens: 6649.9 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 76.3
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	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°	11051	11051	11051
5°	11104	10981	11048
10°	11131	11005	11028
15°	11163	10919	10617
20°	11211	10699	10329
25°	11241	10487	10165
30°	11260	10314	9913
35°	11233	10180	9619
40°	11134	9993	9232
45°	10921	9748	7655
50°	10758	9486	6818
55°	10493	9105	6488
60°	10267	8697	6231
65°	10025	8222	6046
70°	9635	7701	5931
75°	9093	7058	5456
80°	8325	5938	4841
85°	7460	5144	4885



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	2.9
10°-20°	552.8	8.3
20°-30°	825.0	12.4
30°-40°	983.0	14.8
40°-50°	977.7	14.7
50°-60°	838.0	12.6
60°-70°	631.1	9.5
70°-80°	365.5	5.5
80°-90°	109.8	1.7
90°-100°	117.9	1.8
100°-110°	242.2	3.6
110°-120°	256.1	3.9
120°-130°	213.6	3.2
130°-140°	149.2	2.2
140°-150°	92.9	1.4
150°-160°	57.6	0.9
160°-170°	32.4	0.5
170°-180°	10.5	0.2
0°-30°	1572.4	23.6
0°-40°	2555.4	38.4
0°-60°	4371.1	65.7
0°-90°	5477.6	82.4
90°-120°	616.2	9.3
90°-150°	1071.9	16.1
90°-180°	1172.0	17.6
0°-180°	6649.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2053	2053	2053	2053	2053	
5°	2055	2049	2032	2047	2045	196
15°	2003	2001	1960	1926	1906	566
25°	1893	1866	1766	1722	1712	873
35°	1710	1664	1549	1489	1464	1068
45°	1435	1399	1281	1154	1006	1109
55°	1118	1102	970	770	691	1000
65°	787	768	646	502	475	778
75°	437	423	339	271	262	463
85°	121	106	83	79	79	129
90°	6	29	50	62	67	12
95°	67	90	102	150	162	64
105°	156	162	233	312	331	162
115°	194	164	248	342	375	189
125°	179	158	214	314	354	159
135°	146	158	173	233	269	114
145°	119	137	150	160	171	75
155°	108	114	123	133	135	50
165°	106	110	114	119	119	30
175°	104	106	108	110	112	10
180°	102	102	102	102	102	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2053.3	2053.3	2053.3	2053.3	2053.3
2.5°	2059.6	2055.4	2038.8	2055.4	2051.3
5°	2055.4	2049.2	2032.5	2047.1	2045.0
7.5°	2047.1	2042.9	2024.2	2040.8	2038.8
10°	2036.7	2030.4	2013.8	2026.3	2017.9
12.5°	2022.1	2017.9	1992.9	1982.5	1965.9
15°	2003.4	2001.3	1959.6	1926.3	1905.5
17.5°	1982.5	1974.2	1915.9	1876.3	1857.6
20°	1957.5	1945.0	1868.0	1822.2	1803.4
22.5°	1928.4	1909.6	1820.1	1776.4	1757.6
25°	1893.0	1865.9	1766.0	1722.2	1711.8
27.5°	1853.4	1822.2	1716.0	1672.2	1659.7
30°	1811.8	1772.2	1659.7	1618.1	1595.2
32.5°	1759.7	1722.2	1605.6	1557.7	1532.7
35°	1709.7	1663.9	1549.4	1489.0	1464.0
37.5°	1649.3	1603.5	1484.8	1424.4	1395.3
40°	1584.8	1539.0	1422.3	1351.5	1314.1
42.5°	1514.0	1472.3	1353.6	1268.2	1195.3
45°	1434.8	1399.4	1280.7	1153.7	1005.8
47.5°	1361.9	1328.6	1207.8	1043.3	891.3
50°	1284.9	1253.7	1132.9	939.2	814.3
52.5°	1199.5	1176.6	1051.7	849.7	749.7
55°	1118.3	1101.6	970.4	770.5	691.4
57.5°	1032.9	1016.3	889.2	695.6	633.1
60°	953.8	937.1	808.0	628.9	578.9
62.5°	874.6	851.7	728.9	564.4	522.7
65°	787.2	768.4	645.6	501.9	474.8
67.5°	699.7	683.1	568.5	443.6	424.8
70°	612.3	597.7	489.4	387.3	376.9
72.5°	526.9	508.1	418.6	331.1	327.0
75°	437.3	422.7	339.4	270.7	262.4
77.5°	351.9	339.4	266.6	206.2	199.9
80°	268.6	256.1	191.6	149.9	156.2
82.5°	197.8	181.2	129.1	116.6	122.9
85°	120.8	106.2	83.3	79.1	79.1
87.5°	41.6	39.6	37.5	43.7	45.8
90°	6.2	29.2	50.0	62.5	66.6
92.5°	35.4	52.1	68.7	81.2	85.4
95°	66.6	89.5	102.0	149.9	162.4
97.5°	91.6	118.7	133.3	177.0	189.5
100°	116.6	141.6	187.4	210.3	224.9
102.5°	137.4	156.2	220.7	266.6	274.9
105°	156.2	162.4	233.2	312.4	331.1



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CATALOG NUMBER: 4WSLA-200-L930-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	187.4	166.6	249.9	339.4	372.8
115°	193.7	164.5	247.8	341.5	374.8
117.5°	193.7	164.5	241.6	341.5	374.8
120°	189.5	166.6	233.2	337.4	372.8
122.5°	185.3	162.4	224.9	329.0	364.4
125°	179.1	158.3	214.5	314.5	354.0
127.5°	168.7	162.4	204.1	295.7	335.3
130°	160.4	164.5	191.6	277.0	316.5
132.5°	154.1	160.4	179.1	256.1	291.5
135°	145.8	158.3	172.8	233.2	268.6
137.5°	139.5	152.0	162.4	212.4	241.6
140°	133.3	147.9	152.0	185.3	210.3
142.5°	124.9	141.6	143.7	172.8	183.3
145°	118.7	137.4	149.9	160.4	170.8
147.5°	112.5	129.1	145.8	147.9	158.3
150°	110.4	120.8	139.5	141.6	145.8
152.5°	108.3	116.6	129.1	141.6	143.7
155°	108.3	114.5	122.9	133.3	135.4
157.5°	106.2	114.5	118.7	127.0	129.1
160°	106.2	112.5	116.6	122.9	124.9
162.5°	106.2	112.5	114.5	120.8	122.9
165°	106.2	110.4	114.5	118.7	118.7
167.5°	106.2	110.4	112.5	116.6	116.6
170°	106.2	108.3	112.5	114.5	114.5
172.5°	104.1	108.3	110.4	114.5	114.5
175°	104.1	106.2	108.3	110.4	112.5
177.5°	100.0	106.2	108.3	110.4	108.3
180°	102.0	102.0	102.0	102.0	102.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	170.8	164.5	241.6	329.0	356.1
110°	181.2	166.6	247.8	335.3	368.6



(END OF REPORT)