

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: P253619

Luminaire Tested: **JW-WL-20L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-20L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1700.9 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

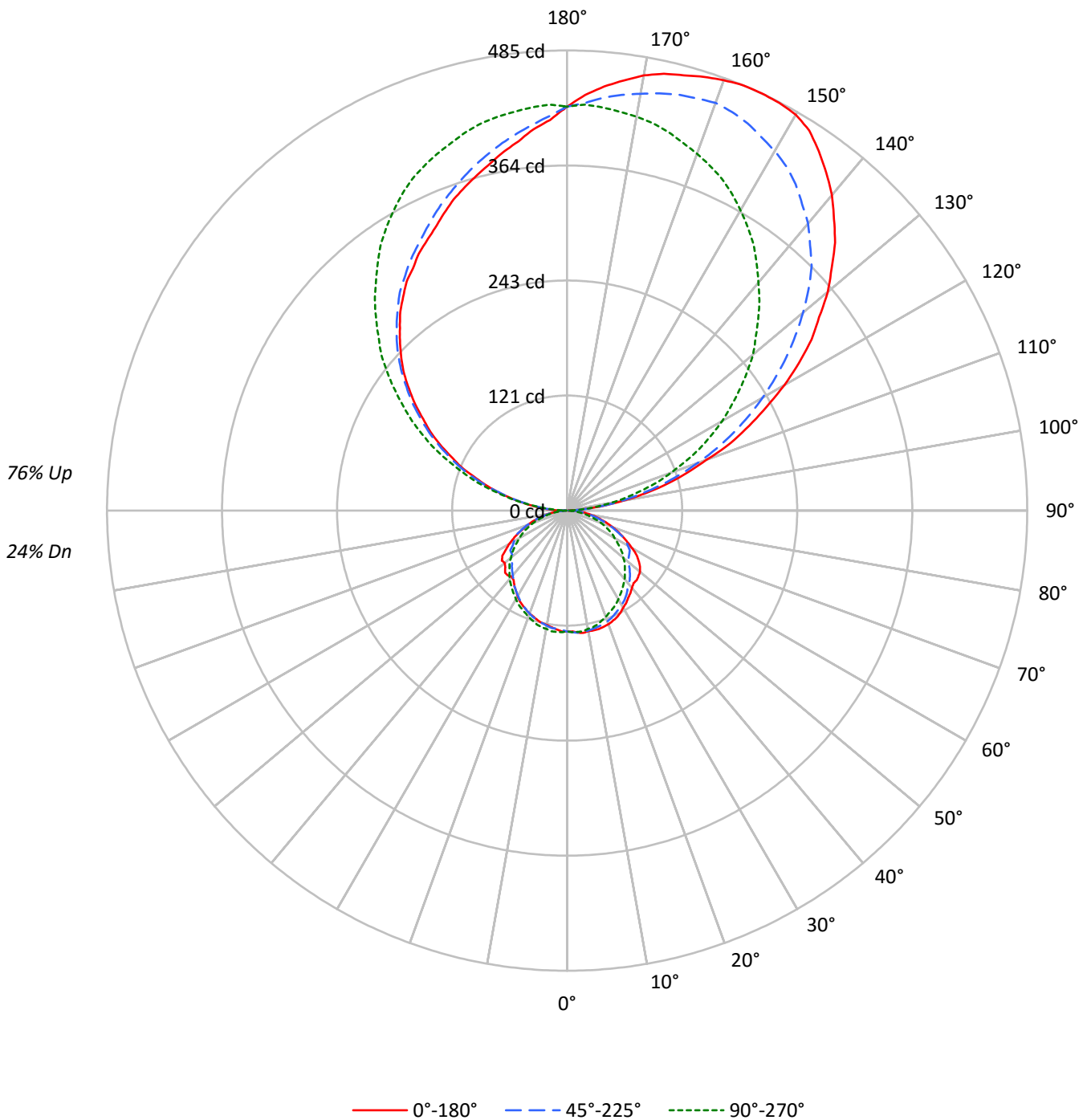
Input Watts (W): 17.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	92	87	84	80	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	83	76	70	65	74	68	63	58	52	49	46	38	35	33	24	23	22	16
3	76	67	59	54	67	59	53	48	46	41	38	33	30	28	21	20	18	13
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16	11
5	63	52	44	38	56	46	40	35	36	31	27	26	23	20	17	15	13	10
6	58	46	38	33	51	41	35	30	32	27	24	23	20	18	15	13	12	8
7	53	42	34	29	47	37	31	26	29	24	21	21	18	15	14	12	10	7
8	49	38	30	25	44	34	27	23	26	21	18	19	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	14	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	7	5

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2059	2059	2059
5°	2094	2079	2039
10°	2118	2076	2007
15°	2160	2074	2003
20°	2191	2045	1986
25°	2211	2029	1969
30°	2202	2012	1948
35°	2212	1993	1910
40°	2238	1988	1916
45°	2368	1959	2114
50°	2519	1942	2155
55°	2584	1914	2345
60°	2551	1866	2277
65°	2468	1849	2174
70°	2408	1803	2087
75°	2333	1641	1959
80°	2371	1497	1813
85°	2834	1408	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.7
10°-20°	35.0	2.1
20°-30°	53.2	3.1
30°-40°	64.4	3.8
40°-50°	69.5	4.1
50°-60°	68.4	4.0
60°-70°	55.6	3.3
70°-80°	34.4	2.0
80°-90°	12.1	0.7
90°-100°	24.4	1.4
100°-110°	92.3	5.4
110°-120°	163.2	9.6
120°-130°	214.1	12.6
130°-140°	236.2	13.9
140°-150°	225.1	13.2
150°-160°	182.6	10.7
160°-170°	117.7	6.9
170°-180°	40.5	2.4
0°-30°	100.3	5.9
0°-40°	164.7	9.7
0°-60°	302.6	17.8
0°-90°	404.7	23.8
90°-120°	280.0	16.5
90°-150°	955.5	56.2
90°-180°	1296.0	76.2
0°-180°	1700.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	129	129	128	125	126	12
15°	129	127	124	120	120	36
25°	124	120	114	110	110	57
35°	112	109	101	97	97	70
45°	104	94	86	82	93	80
55°	92	80	68	73	83	82
65°	65	64	48	58	57	64
75°	37	36	26	31	31	40
85°	15	14	8	10	10	14
90°	1	1	1	2	2	2
95°	18	20	18	22	24	24
105°	110	100	81	75	76	115
115°	212	193	154	139	135	209
125°	314	282	222	200	195	280
135°	399	364	285	254	249	307
145°	462	420	342	299	295	289
155°	485	450	386	338	329	224
165°	475	454	413	376	366	135
175°	449	437	427	409	404	43
180°	426	426	426	426	426	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	127.5	128.3	128.3	128.3	128.3	128.3	125.8	126.6	127.5
5°	129.2	129.2	129.2	128.3	128.3	127.5	124.9	125.8	125.8
7.5°	130.0	130.0	129.2	128.3	128.3	127.5	124.9	124.9	124.1
10°	129.2	130.0	128.3	128.3	126.6	125.8	123.2	123.2	122.4
12.5°	129.2	130.0	127.5	126.6	125.8	123.2	121.5	121.5	121.5
15°	129.2	130.0	126.6	125.8	124.1	121.5	119.8	119.8	119.8
17.5°	128.3	128.3	125.8	123.2	121.5	119.0	118.1	118.1	117.3
20°	127.5	127.5	124.1	121.5	119.0	116.4	115.6	115.6	115.6
22.5°	125.8	125.8	122.4	119.8	116.4	113.9	113.0	113.0	113.0
25°	124.1	123.2	119.8	117.3	113.9	111.3	110.5	109.6	110.5
27.5°	121.5	120.7	117.3	113.9	111.3	108.8	107.1	107.1	107.9
30°	118.1	118.1	114.7	111.3	107.9	105.4	103.7	103.7	104.5
32.5°	115.6	115.6	112.2	107.9	104.5	102.8	100.3	100.3	100.3
35°	112.2	112.2	108.8	104.5	101.1	98.6	96.9	96.9	96.9
37.5°	109.6	109.6	104.5	101.1	97.7	95.2	92.6	92.6	92.6
40°	106.2	105.4	101.1	97.7	94.3	91.8	89.2	89.2	90.9
42.5°	103.7	101.1	97.7	94.3	90.1	87.5	85.8	87.5	92.6
45°	103.7	98.6	93.5	90.1	85.8	83.3	82.4	88.4	92.6
47.5°	102.0	98.6	89.2	85.8	82.4	79.0	78.2	88.4	88.4
50°	100.3	96.9	84.1	80.7	77.3	74.8	74.8	84.1	85.8
52.5°	96.9	94.3	81.6	76.5	73.1	70.5	73.9	80.7	86.7
55°	91.8	90.9	79.9	71.4	68.0	65.4	73.1	81.6	83.3
57.5°	86.7	86.7	78.2	65.4	62.9	61.2	68.0	77.3	76.5
60°	79.0	79.9	73.9	61.2	57.8	56.1	64.6	70.5	70.5
62.5°	71.4	72.2	69.7	56.1	53.5	51.0	63.7	63.7	63.7
65°	64.6	64.6	63.7	51.0	48.4	45.9	57.8	56.9	56.9
67.5°	57.8	57.8	56.1	45.9	43.3	43.3	51.0	51.0	50.1
70°	51.0	51.0	49.3	42.5	38.2	39.9	45.0	44.2	44.2
72.5°	44.2	44.2	42.5	38.2	32.3	34.8	37.4	37.4	38.2
75°	37.4	38.2	35.7	33.1	26.3	31.4	31.4	31.4	31.4
77.5°	31.4	31.4	28.9	26.3	21.2	25.5	24.6	25.5	25.5
80°	25.5	25.5	23.8	20.4	16.1	19.5	19.5	19.5	19.5
82.5°	19.5	19.5	17.8	15.3	11.0	13.6	14.4	14.4	14.4
85°	15.3	15.3	13.6	10.2	7.6	8.5	10.2	10.2	10.2
87.5°	11.0	11.0	9.3	6.8	4.2	5.9	5.9	5.1	5.1
90°	0.8	0.8	0.8	0.8	0.8	0.8	1.7	0.8	1.7
92.5°	4.2	4.2	5.1	6.8	6.8	10.2	11.9	13.6	13.6
95°	17.8	18.7	20.4	19.5	17.8	20.4	22.1	23.8	23.8
97.5°	38.2	39.1	37.4	34.8	31.4	32.3	32.3	34.8	35.7
100°	60.3	59.5	56.9	53.5	47.6	45.9	45.0	46.7	46.7
102.5°	85.0	83.3	77.3	71.4	63.7	60.3	60.3	59.5	60.3
105°	109.6	107.1	100.3	90.1	80.7	77.3	74.8	73.9	75.6
107.5°	132.6	131.7	123.2	110.5	99.4	93.5	91.8	90.1	90.1
110°	156.4	154.7	146.2	130.0	116.4	110.5	107.9	105.4	104.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	186.9	181.8	169.9	152.1	134.3	128.3	124.1	121.5	121.5
115°	211.6	206.5	192.9	173.3	153.8	144.5	139.4	136.8	135.1
117.5°	237.1	232.0	215.8	193.7	170.8	161.5	154.7	153.8	151.3
120°	264.3	257.5	237.9	214.1	188.6	175.9	169.9	168.2	166.5
122.5°	289.8	281.3	260.0	232.8	204.8	190.3	184.4	182.7	180.1
125°	314.4	304.2	282.1	253.2	221.8	205.6	199.7	197.1	195.4
127.5°	334.8	328.0	303.4	271.9	238.8	220.1	213.3	210.7	209.9
130°	358.6	349.2	324.6	288.9	255.8	234.5	227.7	223.5	224.3
132.5°	378.1	370.5	345.0	306.8	269.4	248.1	241.3	237.1	237.1
135°	399.4	390.9	364.5	322.9	284.7	262.6	254.1	249.8	249.0
137.5°	416.4	409.6	379.0	338.2	300.0	275.3	266.0	262.6	260.9
140°	434.2	424.9	395.1	353.5	313.6	288.9	277.9	275.3	273.6
142.5°	448.7	438.5	407.0	367.1	328.0	301.7	289.8	287.2	283.8
145°	462.3	450.4	419.8	379.8	342.4	313.6	299.1	296.6	294.9
147.5°	475.0	461.4	430.0	390.9	354.3	325.5	309.3	306.8	302.5
150°	481.8	469.1	437.6	401.9	365.4	335.6	318.7	315.3	312.7
152.5°	484.4	475.0	443.6	411.3	376.4	347.5	328.0	323.8	320.4
155°	485.2	476.7	450.4	418.9	385.8	358.6	338.2	332.2	328.9
157.5°	485.2	475.9	454.6	424.9	393.4	367.9	348.4	341.6	339.0
160°	482.7	475.9	457.2	430.0	400.2	376.4	357.7	350.1	349.2
162.5°	479.3	474.2	455.5	433.4	406.2	384.9	367.1	359.4	357.7
165°	475.0	470.8	453.8	436.8	413.0	392.6	376.4	369.6	366.2
167.5°	471.6	466.5	450.4	436.8	418.1	400.2	384.9	379.8	374.7
170°	465.7	461.4	446.1	435.9	421.5	405.3	393.4	388.3	384.1
172.5°	457.2	453.8	441.9	435.1	424.0	411.3	401.1	397.7	392.6
175°	448.7	447.0	436.8	434.2	426.6	417.2	408.7	407.0	403.6
177.5°	438.5	437.6	430.0	431.7	428.3	421.5	416.4	417.2	412.1
180°	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7

(END OF REPORT)