

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: P275264

Luminaire Tested: **JW-WL-20L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275264  
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-20L82765-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1889.6 lumens  
Efficiency: N/A  
Efficacy: 108.6 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

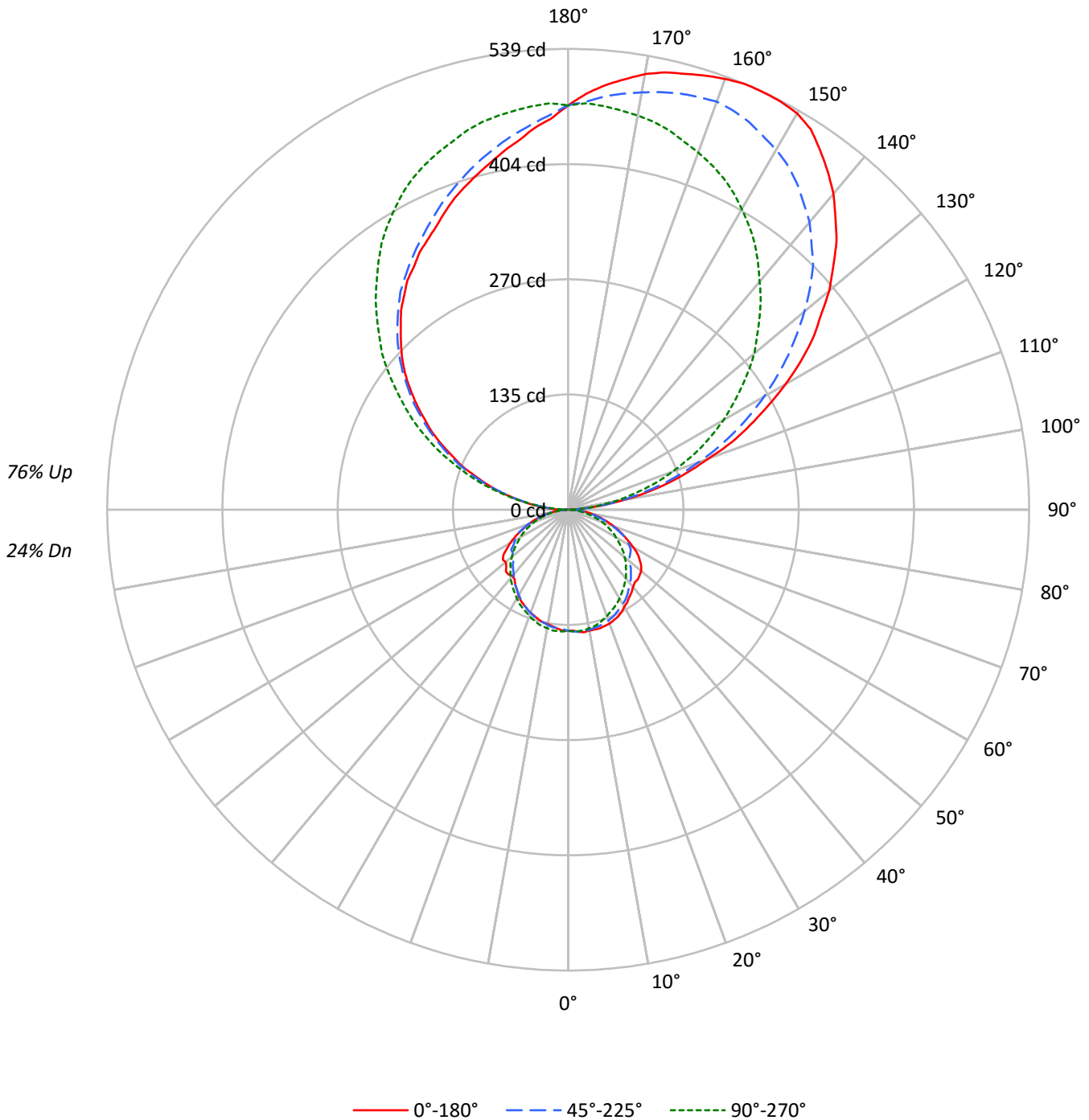
Input Watts (W): 17.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2286	2286	2286
5°	2326	2310	2264
10°	2353	2307	2228
15°	2399	2303	2225
20°	2433	2271	2206
25°	2455	2254	2186
30°	2446	2235	2165
35°	2456	2213	2121
40°	2487	2209	2129
45°	2630	2176	2350
50°	2798	2158	2394
55°	2871	2125	2604
60°	2835	2073	2532
65°	2739	2055	2415
70°	2672	2006	2318
75°	2589	1828	2177
80°	2631	1664	2018
85°	3149	1575	2093



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.5	0.7
10°-20°	38.8	2.1
20°-30°	59.1	3.1
30°-40°	71.6	3.8
40°-50°	77.2	4.1
50°-60°	76.0	4.0
60°-70°	61.8	3.3
70°-80°	38.3	2.0
80°-90°	13.4	0.7
90°-100°	27.1	1.4
100°-110°	102.6	5.4
110°-120°	181.3	9.6
120°-130°	237.9	12.6
130°-140°	262.4	13.9
140°-150°	250.1	13.2
150°-160°	202.8	10.7
160°-170°	130.8	6.9
170°-180°	45.0	2.4
0°-30°	111.4	5.9
0°-40°	183.0	9.7
0°-60°	336.1	17.8
0°-90°	449.6	23.8
90°-120°	311.0	16.5
90°-150°	1061.5	56.2
90°-180°	1440.0	76.2
0°-180°	1889.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	144	144	142	139	140	14
15°	144	141	138	133	133	41
25°	138	133	126	123	123	63
35°	125	121	112	108	108	78
45°	115	104	95	92	103	89
55°	102	89	76	81	92	91
65°	72	71	54	64	63	71
75°	42	40	29	35	35	44
85°	17	15	8	11	11	16
90°	1	1	1	2	2	3
95°	20	23	20	24	26	27
105°	122	111	90	83	84	128
115°	235	214	171	155	150	232
125°	349	313	246	222	217	311
135°	444	405	316	282	277	341
145°	514	466	380	332	328	321
155°	539	500	429	376	365	249
165°	528	504	459	418	407	150
175°	498	485	474	454	448	48
180°	473	473	473	473	473	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	141.6	141.6	141.6	141.6	141.6	141.6	141.6	141.6	141.6
2.5°	141.6	142.5	142.5	142.5	142.5	142.5	139.7	140.7	141.6
5°	143.5	143.5	143.5	142.5	142.5	141.6	138.8	139.7	139.7
7.5°	144.4	144.4	143.5	142.5	142.5	141.6	138.8	138.8	137.8
10°	143.5	144.4	142.5	142.5	140.7	139.7	136.9	136.9	135.9
12.5°	143.5	144.4	141.6	140.7	139.7	136.9	135.0	135.0	135.0
15°	143.5	144.4	140.7	139.7	137.8	135.0	133.1	133.1	133.1
17.5°	142.5	142.5	139.7	136.9	135.0	132.2	131.2	131.2	130.3
20°	141.6	141.6	137.8	135.0	132.2	129.3	128.4	128.4	128.4
22.5°	139.7	139.7	135.9	133.1	129.3	126.5	125.6	125.6	125.6
25°	137.8	136.9	133.1	130.3	126.5	123.7	122.7	121.8	122.7
27.5°	135.0	134.0	130.3	126.5	123.7	120.8	118.9	118.9	119.9
30°	131.2	131.2	127.4	123.7	119.9	117.1	115.2	115.2	116.1
32.5°	128.4	128.4	124.6	119.9	116.1	114.2	111.4	111.4	111.4
35°	124.6	124.6	120.8	116.1	112.3	109.5	107.6	107.6	107.6
37.5°	121.8	121.8	116.1	112.3	108.6	105.7	102.9	102.9	102.9
40°	118.0	117.1	112.3	108.6	104.8	102.0	99.1	99.1	101.0
42.5°	115.2	112.3	108.6	104.8	100.1	97.2	95.3	97.2	102.9
45°	115.2	109.5	103.8	100.1	95.3	92.5	91.6	98.2	102.9
47.5°	113.3	109.5	99.1	95.3	91.6	87.8	86.8	98.2	98.2
50°	111.4	107.6	93.5	89.7	85.9	83.1	83.1	93.5	95.3
52.5°	107.6	104.8	90.6	85.0	81.2	78.4	82.1	89.7	96.3
55°	102.0	101.0	88.7	79.3	75.5	72.7	81.2	90.6	92.5
57.5°	96.3	96.3	86.8	72.7	69.9	68.0	75.5	85.9	85.0
60°	87.8	88.7	82.1	68.0	64.2	62.3	71.7	78.4	78.4
62.5°	79.3	80.2	77.4	62.3	59.5	56.6	70.8	70.8	70.8
65°	71.7	71.7	70.8	56.6	53.8	51.0	64.2	63.2	63.2
67.5°	64.2	64.2	62.3	51.0	48.1	48.1	56.6	56.6	55.7
70°	56.6	56.6	54.8	47.2	42.5	44.4	50.0	49.1	49.1
72.5°	49.1	49.1	47.2	42.5	35.9	38.7	41.5	41.5	42.5
75°	41.5	42.5	39.6	36.8	29.3	34.9	34.9	34.9	34.9
77.5°	34.9	34.9	32.1	29.3	23.6	28.3	27.4	28.3	28.3
80°	28.3	28.3	26.4	22.7	17.9	21.7	21.7	21.7	21.7
82.5°	21.7	21.7	19.8	17.0	12.3	15.1	16.0	16.0	16.0
85°	17.0	17.0	15.1	11.3	8.5	9.4	11.3	11.3	11.3
87.5°	12.3	12.3	10.4	7.6	4.7	6.6	6.6	5.7	5.7
90°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	0.9	1.9
92.5°	4.7	4.7	5.7	7.6	7.6	11.3	13.2	15.1	15.1
95°	19.8	20.8	22.7	21.7	19.8	22.7	24.5	26.4	26.4
97.5°	42.5	43.4	41.5	38.7	34.9	35.9	35.9	38.7	39.6
100°	67.0	66.1	63.2	59.5	52.9	51.0	50.0	51.9	51.9
102.5°	94.4	92.5	85.9	79.3	70.8	67.0	67.0	66.1	67.0
105°	121.8	118.9	111.4	100.1	89.7	85.9	83.1	82.1	84.0
107.5°	147.3	146.3	136.9	122.7	110.4	103.8	102.0	100.1	100.1
110°	173.7	171.8	162.4	144.4	129.3	122.7	119.9	117.1	116.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	207.7	202.0	188.8	169.0	149.2	142.5	137.8	135.0	135.0
115°	235.1	229.4	214.3	192.6	170.9	160.5	154.8	152.0	150.1
117.5°	263.4	257.7	239.8	215.2	189.7	179.4	171.8	170.9	168.0
120°	293.6	286.0	264.3	237.9	209.6	195.4	188.8	186.9	185.0
122.5°	321.9	312.5	288.9	258.7	227.5	211.5	204.8	203.0	200.1
125°	349.3	338.0	313.4	281.3	246.4	228.4	221.8	219.0	217.1
127.5°	371.9	364.4	337.0	302.1	265.3	244.5	236.9	234.1	233.2
130°	398.4	388.0	360.6	321.0	284.1	260.5	253.0	248.3	249.2
132.5°	420.1	411.6	383.3	340.8	299.2	275.6	268.1	263.4	263.4
135°	443.7	434.2	405.0	358.7	316.2	291.7	282.3	277.5	276.6
137.5°	462.6	455.0	421.0	375.7	333.2	305.9	295.5	291.7	289.8
140°	482.4	472.0	439.0	392.7	348.3	321.0	308.7	305.9	304.0
142.5°	498.4	487.1	452.2	407.8	364.4	335.1	321.9	319.1	315.3
145°	513.5	500.3	466.3	422.0	380.4	348.3	332.3	329.5	327.6
147.5°	527.7	512.6	477.7	434.2	393.6	361.6	343.6	340.8	336.1
150°	535.2	521.1	486.2	446.5	405.9	372.9	354.0	350.2	347.4
152.5°	538.1	527.7	492.8	456.9	418.2	386.1	364.4	359.7	355.9
155°	539.0	529.6	500.3	465.4	428.6	398.4	375.7	369.1	365.3
157.5°	539.0	528.6	505.0	472.0	437.1	408.8	387.0	379.5	376.7
160°	536.2	528.6	507.9	477.7	444.6	418.2	397.4	388.9	388.0
162.5°	532.4	526.8	506.0	481.4	451.2	427.6	407.8	399.3	397.4
165°	527.7	523.0	504.1	485.2	458.8	436.1	418.2	410.6	406.9
167.5°	523.9	518.3	500.3	485.2	464.4	444.6	427.6	422.0	416.3
170°	517.3	512.6	495.6	484.3	468.2	450.3	437.1	431.4	426.7
172.5°	507.9	504.1	490.9	483.3	471.1	456.9	445.6	441.8	436.1
175°	498.4	496.5	485.2	482.4	473.9	463.5	454.1	452.2	448.4
177.5°	487.1	486.2	477.7	479.6	475.8	468.2	462.6	463.5	457.8
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9

(END OF REPORT)