

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: P275289

Luminaire Tested: **JW-WL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

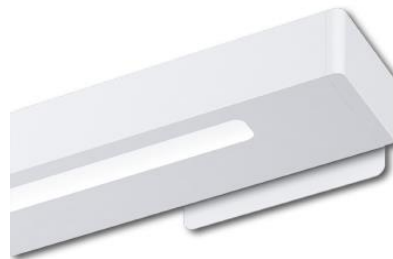
**Test Information**

Test Method: LM-79-08  
Report Number: P275289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: JW-WL-30L92765-1D-UNV-W2A-W-4 (3500K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2581.3 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

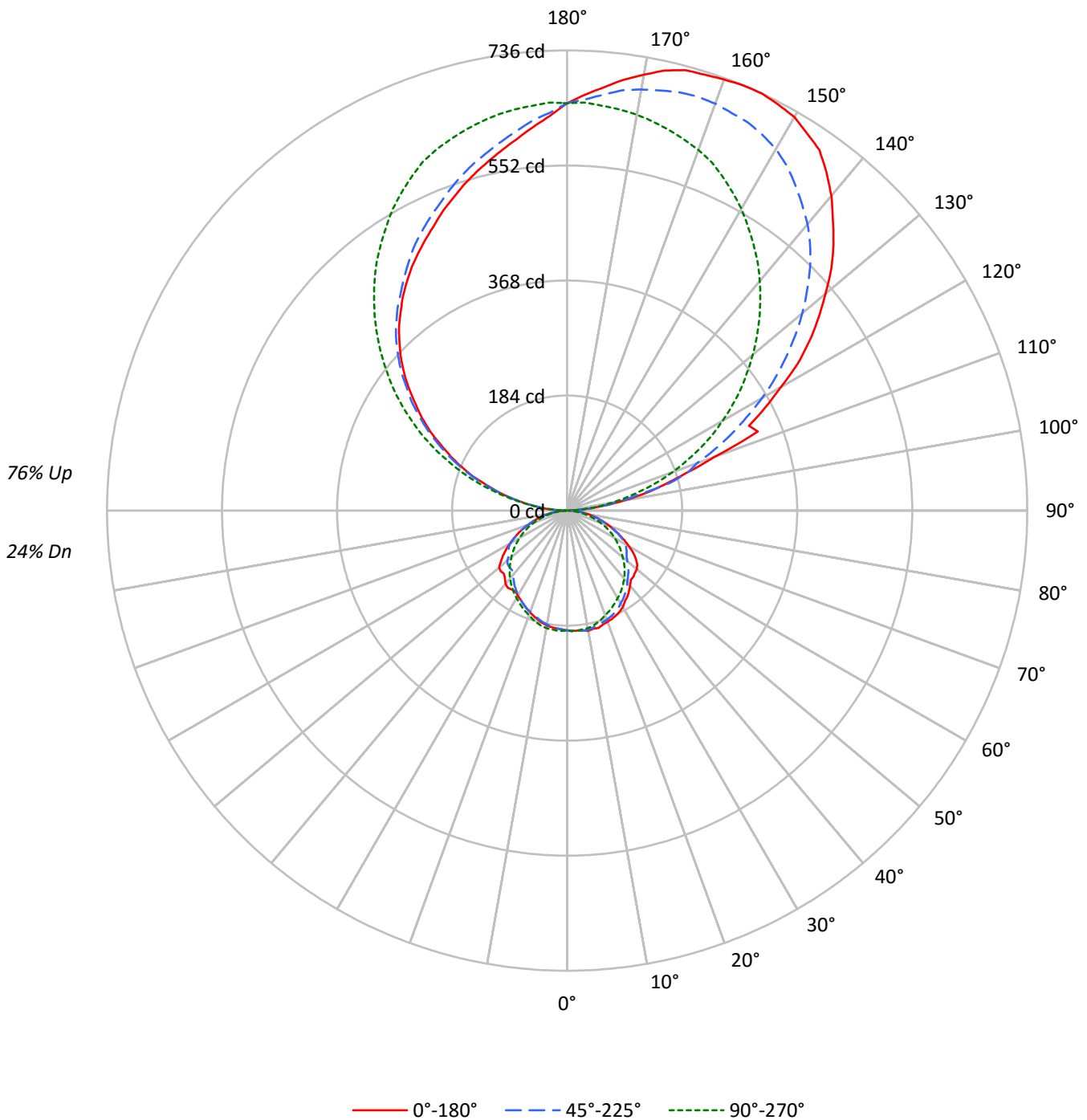
Input Watts (W): 27.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	49	49	49	32	32	32	24
1	92	87	83	80	81	78	74	72	60	57	56	43	42	40	28	27	26	19
2	83	76	70	65	74	68	63	58	52	49	46	37	35	33	24	23	22	16
3	76	66	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	6
9	46	34	27	22	41	31	24	20	24	19	16	17	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°	3095	3095	3095
5°	3122	3122	3066
10°	3200	3130	3059
15°	3248	3106	3019
20°	3251	3058	2971
25°	3294	3034	2943
30°	3319	3017	2936
35°	3307	3004	3037
40°	3301	2995	3229
45°	3420	2971	3265
50°	3655	2924	3569
55°	3783	2891	3519
60°	3675	2848	3400
65°	3530	2781	3305
70°	3437	2667	3153
75°	3313	2508	3044
80°	3264	2306	2864
85°	3964	1908	2853



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.3	0.7
10°-20°	52.4	2.0
20°-30°	79.7	3.1
30°-40°	97.3	3.8
40°-50°	105.6	4.1
50°-60°	103.0	4.0
60°-70°	82.9	3.2
70°-80°	50.9	2.0
80°-90°	18.0	0.7
90°-100°	36.9	1.4
100°-110°	141.4	5.5
110°-120°	249.2	9.7
120°-130°	324.7	12.6
130°-140°	358.6	13.9
140°-150°	342.5	13.3
150°-160°	278.1	10.8
160°-170°	179.8	7.0
170°-180°	61.9	2.4
0°-30°	150.4	5.8
0°-40°	247.7	9.6
0°-60°	456.3	17.7
0°-90°	608.0	23.6
90°-120°	427.6	16.6
90°-150°	1453.4	56.3
90°-180°	1973.0	76.4
0°-180°	2581.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	192	192	192	192	192	
5°	193	194	193	189	189	18
15°	194	190	186	179	181	55
25°	185	180	170	165	165	85
35°	168	162	152	146	154	105
45°	150	139	130	129	143	116
55°	134	116	103	113	125	119
65°	92	92	73	86	86	92
75°	53	51	40	48	49	57
85°	21	19	10	15	15	20
90°	4	3	1	3	2	4
95°	29	31	28	31	33	37
105°	161	170	123	113	113	174
115°	321	290	234	211	205	330
125°	473	427	339	304	295	421
135°	603	550	435	387	379	464
145°	704	636	520	454	447	438
155°	736	685	589	518	503	339
165°	729	692	630	575	561	206
175°	680	668	650	627	616	66
180°	651	651	651	651	651	



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CATALOG NUMBER: JW-WL-30L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7
2.5°	192.6	193.5	193.5	192.6	192.6	192.6	190.0	190.9	190.0
5°	192.6	195.2	193.5	193.5	192.6	190.9	189.2	190.0	189.2
7.5°	193.5	195.2	193.5	192.6	191.7	189.2	187.5	187.5	188.3
10°	195.2	195.2	193.5	192.6	190.9	187.5	184.9	184.9	186.6
12.5°	193.5	195.2	191.7	190.9	189.2	185.8	182.3	182.3	184.0
15°	194.3	193.5	190.0	188.3	185.8	183.2	178.9	178.9	180.6
17.5°	190.9	192.6	187.5	185.8	182.3	179.8	175.5	175.5	177.2
20°	189.2	190.9	185.8	182.3	178.0	176.3	172.1	172.9	172.9
22.5°	187.5	188.3	183.2	178.9	174.6	172.1	169.5	169.5	169.5
25°	184.9	184.9	179.8	174.6	170.3	166.9	165.2	165.2	165.2
27.5°	182.3	181.5	176.3	171.2	166.1	162.6	160.9	160.9	160.9
30°	178.0	176.3	171.2	166.1	161.8	158.4	156.6	155.8	157.5
32.5°	172.1	171.2	166.9	161.8	157.5	153.2	151.5	151.5	153.2
35°	167.8	166.1	161.8	156.6	152.4	148.1	146.4	147.2	154.1
37.5°	162.6	160.9	155.8	153.2	147.2	143.0	140.4	148.1	155.8
40°	156.6	155.8	149.8	147.2	142.1	138.7	134.4	148.9	153.2
42.5°	150.7	149.8	143.8	141.2	136.1	132.7	130.1	146.4	147.2
45°	149.8	144.7	138.7	134.4	130.1	126.7	129.3	140.4	143.0
47.5°	147.2	142.1	132.7	127.5	123.3	119.8	128.4	136.1	143.8
50°	145.5	139.5	125.8	121.6	116.4	113.0	125.0	137.0	142.1
52.5°	141.2	137.0	119.8	113.8	109.6	106.1	117.3	133.5	133.5
55°	134.4	131.8	116.4	106.1	102.7	99.3	113.0	124.1	125.0
57.5°	125.0	124.1	112.1	98.4	95.0	92.4	111.3	115.6	115.6
60°	113.8	114.7	107.0	90.7	88.2	86.5	105.3	105.3	105.3
62.5°	103.6	103.6	100.2	83.9	80.5	81.3	95.9	95.9	95.9
65°	92.4	92.4	91.6	76.2	72.8	77.0	86.5	86.5	86.5
67.5°	82.2	82.2	81.3	67.6	65.1	69.3	77.0	76.2	76.2
70°	72.8	72.8	71.0	61.6	56.5	62.5	66.8	67.6	66.8
72.5°	63.3	62.5	60.8	55.6	47.9	57.4	57.4	57.4	56.5
75°	53.1	53.1	51.4	47.9	40.2	47.9	47.9	47.9	48.8
77.5°	44.5	43.7	41.9	38.5	31.7	37.7	38.5	38.5	38.5
80°	35.1	35.1	33.4	29.1	24.8	29.1	29.1	30.0	30.8
82.5°	27.4	27.4	25.7	22.3	17.1	20.5	21.4	22.3	22.3
85°	21.4	21.4	18.8	15.4	10.3	13.7	15.4	16.3	15.4
87.5°	15.4	15.4	13.7	10.3	6.0	8.6	8.6	9.4	8.6
90°	4.3	4.3	3.4	2.6	0.9	2.6	3.4	2.6	1.7
92.5°	7.7	8.6	10.3	12.0	10.3	13.7	17.1	18.0	18.0
95°	29.1	29.1	30.8	30.0	28.2	30.0	30.8	34.2	33.4
97.5°	59.1	58.2	56.5	52.2	49.6	47.9	48.8	50.5	50.5
100°	91.6	89.9	84.7	84.7	71.9	68.5	69.3	69.3	69.3
102.5°	127.5	124.1	115.6	107.9	96.7	93.3	90.7	89.9	89.9
105°	160.9	159.2	169.5	135.2	123.3	117.3	113.0	112.1	113.0
107.5°	200.3	196.9	202.0	166.9	151.5	142.1	137.8	135.2	134.4
110°	250.8	284.2	220.8	199.4	178.9	167.8	162.6	160.1	160.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	330.4	289.3	255.1	231.1	205.4	194.3	186.6	184.0	183.2
115°	321.0	311.6	290.2	263.6	233.7	220.0	210.6	208.0	205.4
117.5°	357.0	349.2	323.6	295.3	261.1	245.7	233.7	231.1	227.7
120°	394.6	386.1	360.4	324.4	286.8	267.9	257.7	255.1	252.5
122.5°	437.4	422.9	394.6	356.1	313.3	291.0	279.9	276.5	274.8
125°	473.4	458.0	427.1	382.6	339.0	313.3	303.9	298.7	295.3
127.5°	506.8	494.8	459.7	411.7	362.9	335.6	323.6	319.3	318.4
130°	539.3	528.2	491.3	440.8	387.8	356.1	346.7	340.7	339.8
132.5°	573.5	557.3	520.4	466.5	411.7	378.4	366.4	361.2	360.4
135°	602.6	588.9	549.6	490.5	434.8	398.9	386.9	380.9	379.2
137.5°	629.2	618.0	575.2	515.3	457.1	421.2	404.9	399.8	398.0
140°	657.4	642.0	598.3	537.6	479.4	443.4	422.0	418.6	414.3
142.5°	681.4	666.0	617.2	560.7	500.8	461.4	437.4	436.6	431.4
145°	703.6	684.8	636.0	581.2	519.6	479.4	454.5	451.1	446.8
147.5°	714.8	701.1	654.0	597.5	538.4	497.3	471.7	467.4	462.2
150°	726.7	711.3	667.7	613.8	557.3	513.6	488.8	481.1	475.9
152.5°	731.9	718.2	677.1	627.4	573.5	529.9	503.3	493.1	489.6
155°	736.2	722.5	684.8	638.6	588.9	545.3	517.9	505.9	503.3
157.5°	736.2	724.2	688.2	647.1	603.5	561.5	531.6	520.4	518.7
160°	733.6	724.2	692.5	653.1	613.8	576.1	547.0	535.0	532.4
162.5°	731.0	723.3	694.2	660.0	622.3	588.9	561.5	550.4	547.0
165°	729.3	721.6	692.5	665.1	630.0	600.9	575.2	565.0	560.7
167.5°	720.8	713.9	688.2	668.5	636.9	612.9	587.2	581.2	573.5
170°	707.9	702.8	683.9	670.2	642.9	621.5	600.1	593.2	587.2
172.5°	695.1	691.6	678.0	669.4	647.1	630.9	612.9	610.3	600.9
175°	679.7	679.7	667.7	664.3	649.7	637.7	626.6	624.0	616.3
177.5°	666.0	667.7	658.3	658.3	653.1	645.4	636.9	639.4	631.7
180°	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4	651.4

(END OF REPORT)