

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: P275279

Luminaire Tested: **JW-WL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275279  
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-30L82765-1D-UNV-W2A-W-4 (2700K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2768.2 lumens  
Efficiency: N/A  
Efficacy: 100.3 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

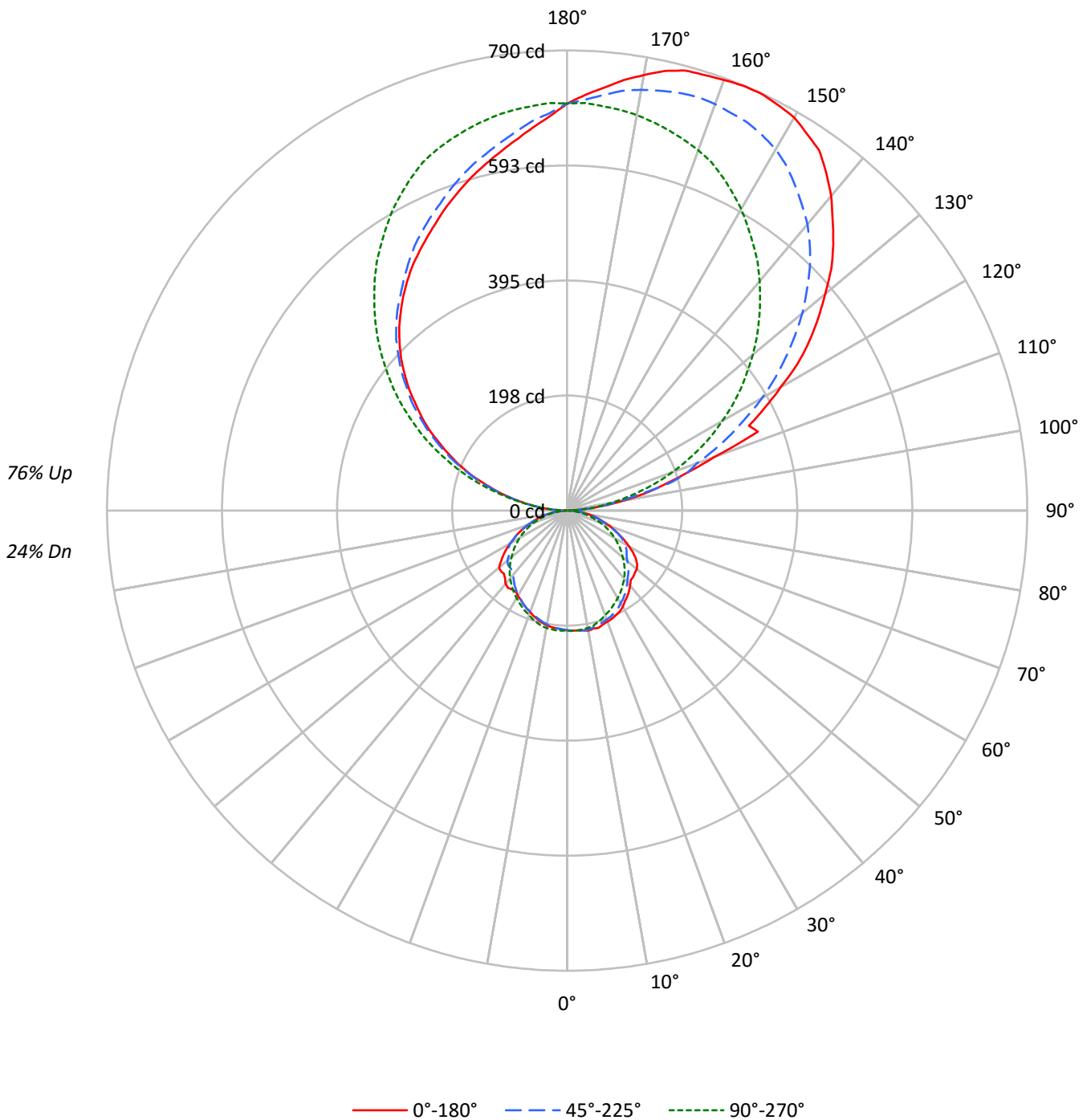
Input Watts (W): 27.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3320	3320	3320
5°	3347	3347	3289
10°	3431	3356	3281
15°	3483	3330	3238
20°	3486	3280	3186
25°	3533	3255	3157
30°	3559	3235	3149
35°	3546	3221	3256
40°	3541	3212	3463
45°	3667	3185	3500
50°	3921	3135	3828
55°	4056	3102	3772
60°	3943	3055	3646
65°	3786	2980	3542
70°	3682	2861	3380
75°	3550	2689	3263
80°	3496	2473	3068
85°	4242	2038	3057



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.6	0.7
10°-20°	56.2	2.0
20°-30°	85.5	3.1
30°-40°	104.3	3.8
40°-50°	113.3	4.1
50°-60°	110.4	4.0
60°-70°	88.9	3.2
70°-80°	54.6	2.0
80°-90°	19.3	0.7
90°-100°	39.6	1.4
100°-110°	151.7	5.5
110°-120°	267.3	9.7
120°-130°	348.2	12.6
130°-140°	384.6	13.9
140°-150°	367.3	13.3
150°-160°	298.2	10.8
160°-170°	192.9	7.0
170°-180°	66.4	2.4
0°-30°	161.3	5.8
0°-40°	265.6	9.6
0°-60°	489.3	17.7
0°-90°	652.0	23.6
90°-120°	458.6	16.6
90°-150°	1558.7	56.3
90°-180°	2116.0	76.4
0°-180°	2768.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	206	206	206	206	206	
5°	206	208	206	203	203	20
15°	208	204	199	192	194	58
25°	198	193	183	177	177	91
35°	180	174	163	157	165	113
45°	161	149	140	139	153	124
55°	144	125	110	121	134	127
65°	99	98	78	93	93	99
75°	57	55	43	51	52	61
85°	23	20	11	16	16	22
90°	5	4	1	4	2	5
95°	31	33	30	33	36	40
105°	173	182	132	121	121	187
115°	344	311	251	226	220	353
125°	508	458	364	326	317	452
135°	646	589	466	415	407	498
145°	755	682	557	488	479	469
155°	790	734	632	555	540	364
165°	782	743	676	617	601	221
175°	729	716	697	672	661	71
180°	699	699	699	699	699	



TEST NUMBER: P275279

CATALOG NUMBER: JW-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6
2.5°	206.5	207.5	207.5	206.5	206.5	206.5	203.8	204.7	203.8
5°	206.5	209.3	207.5	207.5	206.5	204.7	202.9	203.8	202.9
7.5°	207.5	209.3	207.5	206.5	205.6	202.9	201.0	201.0	202.0
10°	209.3	209.3	207.5	206.5	204.7	201.0	198.3	198.3	200.1
12.5°	207.5	209.3	205.6	204.7	202.9	199.2	195.5	195.5	197.4
15°	208.4	207.5	203.8	202.0	199.2	196.5	191.9	191.9	193.7
17.5°	204.7	206.5	201.0	199.2	195.5	192.8	188.2	188.2	190.0
20°	202.9	204.7	199.2	195.5	190.9	189.1	184.5	185.4	185.4
22.5°	201.0	202.0	196.5	191.9	187.3	184.5	181.8	181.8	181.8
25°	198.3	198.3	192.8	187.3	182.7	179.0	177.2	177.2	177.2
27.5°	195.5	194.6	189.1	183.6	178.1	174.4	172.6	172.6	172.6
30°	190.9	189.1	183.6	178.1	173.5	169.8	168.0	167.1	168.9
32.5°	184.5	183.6	179.0	173.5	168.9	164.3	162.5	162.5	164.3
35°	179.9	178.1	173.5	168.0	163.4	158.8	157.0	157.9	165.2
37.5°	174.4	172.6	167.1	164.3	157.9	153.3	150.6	158.8	167.1
40°	168.0	167.1	160.6	157.9	152.4	148.7	144.1	159.7	164.3
42.5°	161.6	160.6	154.2	151.5	146.0	142.3	139.5	157.0	157.9
45°	160.6	155.1	148.7	144.1	139.5	135.9	138.6	150.6	153.3
47.5°	157.9	152.4	142.3	136.8	132.2	128.5	137.7	146.0	154.2
50°	156.1	149.6	134.9	130.4	124.8	121.2	134.0	146.9	152.4
52.5°	151.5	146.9	128.5	122.1	117.5	113.8	125.8	143.2	143.2
55°	144.1	141.4	124.8	113.8	110.2	106.5	121.2	133.1	134.0
57.5°	134.0	133.1	120.3	105.6	101.9	99.1	119.3	123.9	123.9
60°	122.1	123.0	114.7	97.3	94.6	92.7	112.9	112.9	112.9
62.5°	111.1	111.1	107.4	90.0	86.3	87.2	102.8	102.8	102.8
65°	99.1	99.1	98.2	81.7	78.0	82.6	92.7	92.7	92.7
67.5°	88.1	88.1	87.2	72.5	69.8	74.4	82.6	81.7	81.7
70°	78.0	78.0	76.2	66.1	60.6	67.0	71.6	72.5	71.6
72.5°	67.9	67.0	65.2	59.7	51.4	61.5	61.5	61.5	60.6
75°	56.9	56.9	55.1	51.4	43.1	51.4	51.4	51.4	52.3
77.5°	47.7	46.8	45.0	41.3	34.0	40.4	41.3	41.3	41.3
80°	37.6	37.6	35.8	31.2	26.6	31.2	31.2	32.1	33.0
82.5°	29.4	29.4	27.5	23.9	18.4	22.0	22.9	23.9	23.9
85°	22.9	22.9	20.2	16.5	11.0	14.7	16.5	17.4	16.5
87.5°	16.5	16.5	14.7	11.0	6.4	9.2	9.2	10.1	9.2
90°	4.6	4.6	3.7	2.8	0.9	2.8	3.7	2.8	1.8
92.5°	8.3	9.2	11.0	12.9	11.0	14.7	18.4	19.3	19.3
95°	31.2	31.2	33.0	32.1	30.3	32.1	33.0	36.7	35.8
97.5°	63.3	62.4	60.6	56.0	53.2	51.4	52.3	54.2	54.2
100°	98.2	96.4	90.9	90.9	77.1	73.4	74.4	74.4	74.4
102.5°	136.8	133.1	123.9	115.7	103.7	100.1	97.3	96.4	96.4
105°	172.6	170.7	181.8	145.0	132.2	125.8	121.2	120.3	121.2
107.5°	214.8	211.1	216.6	179.0	162.5	152.4	147.8	145.0	144.1
110°	269.0	304.8	236.8	213.9	191.9	179.9	174.4	171.7	171.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	354.3	310.3	273.6	247.9	220.3	208.4	200.1	197.4	196.5
115°	344.2	334.2	311.2	282.7	250.6	235.9	225.8	223.1	220.3
117.5°	382.8	374.5	347.0	316.7	280.0	263.5	250.6	247.9	244.2
120°	423.2	414.0	386.5	347.9	307.5	287.3	276.3	273.6	270.8
122.5°	469.1	453.5	423.2	381.9	336.0	312.1	300.2	296.5	294.7
125°	507.7	491.1	458.1	410.3	363.5	336.0	325.9	320.4	316.7
127.5°	543.5	530.6	493.0	441.6	389.2	359.9	347.0	342.4	341.5
130°	578.3	566.4	526.9	472.8	415.9	381.9	371.8	365.4	364.4
132.5°	615.1	597.6	558.1	500.3	441.6	405.8	392.9	387.4	386.5
135°	646.3	631.6	589.4	526.0	466.3	427.8	414.9	408.5	406.7
137.5°	674.7	662.8	616.9	552.6	490.2	451.7	434.2	428.7	426.9
140°	705.0	688.5	641.7	576.5	514.1	475.5	452.6	448.9	444.3
142.5°	730.7	714.2	661.9	601.3	537.0	494.8	469.1	468.2	462.7
145°	754.6	734.4	682.1	623.3	557.2	514.1	487.5	483.8	479.2
147.5°	766.5	751.8	701.4	640.8	577.4	533.4	505.8	501.2	495.7
150°	779.4	762.9	716.0	658.2	597.6	550.8	524.2	515.9	510.4
152.5°	784.9	770.2	726.1	672.9	615.1	568.2	539.8	528.8	525.1
155°	789.5	774.8	734.4	684.8	631.6	584.8	555.4	542.5	539.8
157.5°	789.5	776.6	738.1	694.0	647.2	602.2	570.1	558.1	556.3
160°	786.7	776.6	742.7	700.4	658.2	617.8	586.6	573.7	571.0
162.5°	784.0	775.7	744.5	707.8	667.4	631.6	602.2	590.3	586.6
165°	782.1	773.9	742.7	713.3	675.6	644.4	616.9	605.9	601.3
167.5°	773.0	765.6	738.1	717.0	683.0	657.3	629.7	623.3	615.1
170°	759.2	753.7	733.5	718.8	689.4	666.5	643.5	636.2	629.7
172.5°	745.4	741.7	727.1	717.9	694.0	676.6	657.3	654.5	644.4
175°	728.9	728.9	716.0	712.4	696.8	683.9	672.0	669.2	661.0
177.5°	714.2	716.0	705.9	705.9	700.4	692.2	683.0	685.7	677.5
180°	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6

(END OF REPORT)