

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: P275283

Luminaire Tested: **JW-WL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

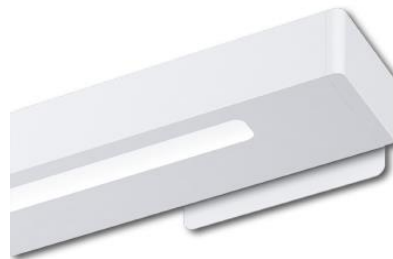
**Test Information**

Test Method: LM-79-08  
Report Number: P275283  
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 (4500K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3063.7 lumens  
Efficiency: N/A  
Efficacy: 109.0 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

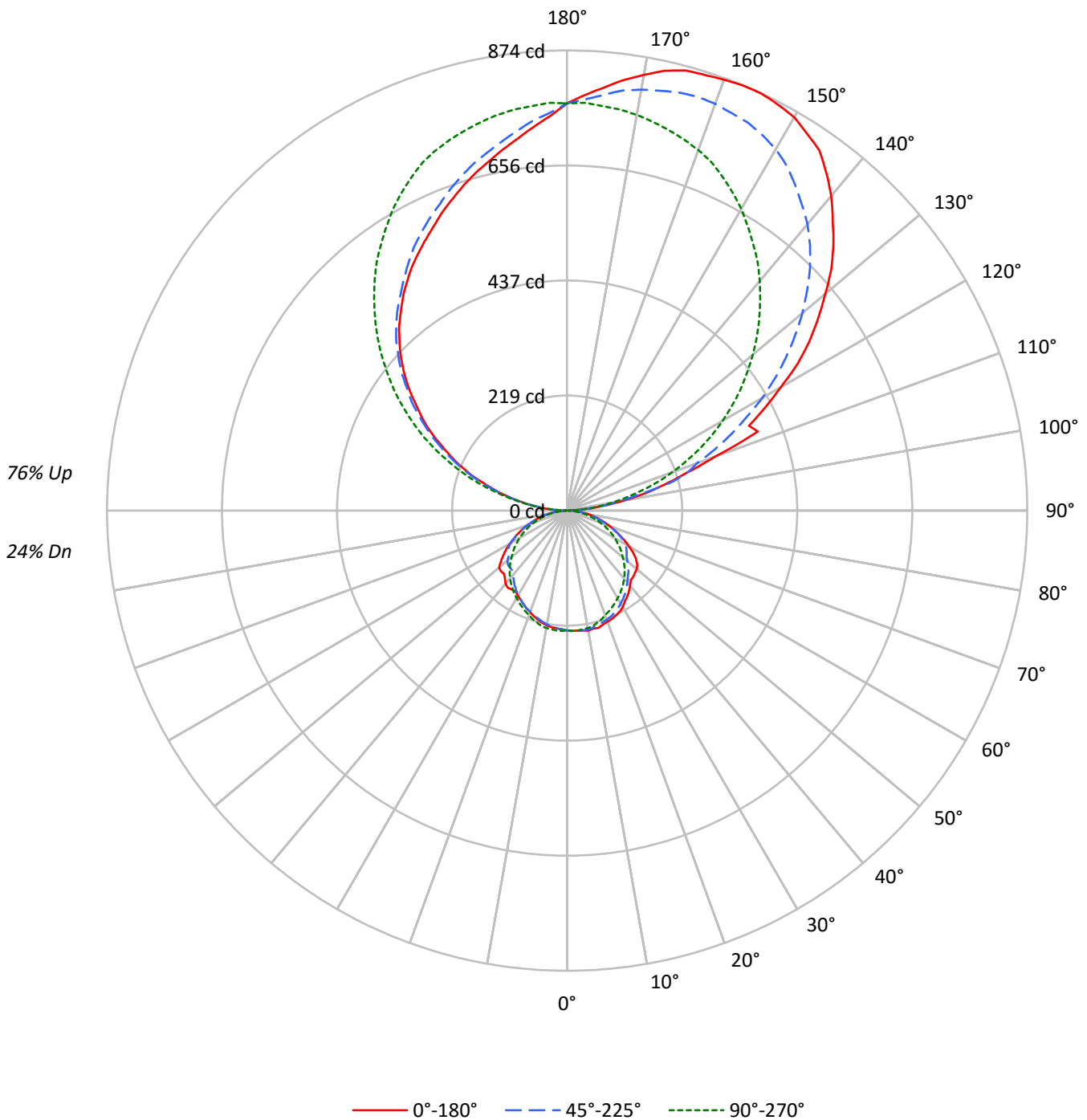
Input Watts (W): 28.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3675	3675	3675
5°	3705	3705	3639
10°	3797	3715	3631
15°	3855	3686	3584
20°	3857	3631	3526
25°	3910	3602	3494
30°	3939	3580	3484
35°	3924	3564	3605
40°	3918	3556	3834
45°	4060	3526	3875
50°	4338	3471	4237
55°	4490	3431	4175
60°	4363	3378	4036
65°	4191	3301	3920
70°	4079	3168	3739
75°	3930	2982	3612
80°	3877	2743	3403
85°	4705	2260	3390



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.7	0.7
10°-20°	62.2	2.0
20°-30°	94.6	3.1
30°-40°	115.5	3.8
40°-50°	125.4	4.1
50°-60°	122.2	4.0
60°-70°	98.4	3.2
70°-80°	60.4	2.0
80°-90°	21.3	0.7
90°-100°	43.8	1.4
100°-110°	167.9	5.5
110°-120°	295.8	9.7
120°-130°	385.4	12.6
130°-140°	425.7	13.9
140°-150°	406.5	13.3
150°-160°	330.1	10.8
160°-170°	213.4	7.0
170°-180°	73.5	2.4
0°-30°	178.5	5.8
0°-40°	293.9	9.6
0°-60°	541.5	17.7
0°-90°	721.7	23.6
90°-120°	507.5	16.6
90°-150°	1725.1	56.3
90°-180°	2342.0	76.4
0°-180°	3063.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	228	228	228	228	228	
5°	229	230	229	224	224	22
15°	231	226	220	212	214	65
25°	220	213	202	196	196	101
35°	199	192	181	174	183	125
45°	178	165	154	153	170	137
55°	160	138	122	134	148	141
65°	110	109	86	103	103	109
75°	63	61	48	57	58	67
85°	25	22	12	18	18	24
90°	5	4	1	4	2	5
95°	34	37	34	37	40	44
105°	191	201	146	134	134	206
115°	381	344	277	250	244	391
125°	562	507	402	361	350	500
135°	715	652	516	459	450	551
145°	835	755	617	540	530	519
155°	874	813	699	615	597	403
165°	866	822	748	683	666	244
175°	807	792	771	744	732	78
180°	773	773	773	773	773	



TEST NUMBER: P275283

CATALOG NUMBER: JW-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6
2.5°	228.6	229.6	229.6	228.6	228.6	228.6	225.6	226.6	225.6
5°	228.6	231.6	229.6	229.6	228.6	226.6	224.5	225.6	224.5
7.5°	229.6	231.6	229.6	228.6	227.6	224.5	222.5	222.5	223.5
10°	231.6	231.6	229.6	228.6	226.6	222.5	219.5	219.5	221.5
12.5°	229.6	231.6	227.6	226.6	224.5	220.5	216.4	216.4	218.4
15°	230.6	229.6	225.6	223.5	220.5	217.4	212.3	212.3	214.4
17.5°	226.6	228.6	222.5	220.5	216.4	213.4	208.3	208.3	210.3
20°	224.5	226.6	220.5	216.4	211.3	209.3	204.2	205.2	205.2
22.5°	222.5	223.5	217.4	212.3	207.3	204.2	201.2	201.2	201.2
25°	219.5	219.5	213.4	207.3	202.2	198.1	196.1	196.1	196.1
27.5°	216.4	215.4	209.3	203.2	197.1	193.0	191.0	191.0	191.0
30°	211.3	209.3	203.2	197.1	192.0	188.0	185.9	184.9	186.9
32.5°	204.2	203.2	198.1	192.0	186.9	181.9	179.8	179.8	181.9
35°	199.1	197.1	192.0	185.9	180.8	175.8	173.7	174.8	182.9
37.5°	193.0	191.0	184.9	181.9	174.8	169.7	166.6	175.8	184.9
40°	185.9	184.9	177.8	174.8	168.7	164.6	159.5	176.8	181.9
42.5°	178.8	177.8	170.7	167.6	161.5	157.5	154.4	173.7	174.8
45°	177.8	171.7	164.6	159.5	154.4	150.4	153.4	166.6	169.7
47.5°	174.8	168.7	157.5	151.4	146.3	142.2	152.4	161.5	170.7
50°	172.7	165.6	149.4	144.3	138.2	134.1	148.3	162.6	168.7
52.5°	167.6	162.6	142.2	135.1	130.0	126.0	139.2	158.5	158.5
55°	159.5	156.5	138.2	126.0	121.9	117.9	134.1	147.3	148.3
57.5°	148.3	147.3	133.1	116.8	112.8	109.7	132.1	137.2	137.2
60°	135.1	136.1	127.0	107.7	104.6	102.6	125.0	125.0	125.0
62.5°	122.9	122.9	118.9	99.6	95.5	96.5	113.8	113.8	113.8
65°	109.7	109.7	108.7	90.4	86.4	91.4	102.6	102.6	102.6
67.5°	97.5	97.5	96.5	80.3	77.2	82.3	91.4	90.4	90.4
70°	86.4	86.4	84.3	73.2	67.1	74.2	79.2	80.3	79.2
72.5°	75.2	74.2	72.1	66.0	56.9	68.1	68.1	68.1	67.1
75°	63.0	63.0	61.0	56.9	47.8	56.9	56.9	56.9	57.9
77.5°	52.8	51.8	49.8	45.7	37.6	44.7	45.7	45.7	45.7
80°	41.7	41.7	39.6	34.5	29.5	34.5	34.5	35.6	36.6
82.5°	32.5	32.5	30.5	26.4	20.3	24.4	25.4	26.4	26.4
85°	25.4	25.4	22.4	18.3	12.2	16.3	18.3	19.3	18.3
87.5°	18.3	18.3	16.3	12.2	7.1	10.2	10.2	11.2	10.2
90°	5.1	5.1	4.1	3.0	1.0	3.0	4.1	3.0	2.0
92.5°	9.1	10.2	12.2	14.2	12.2	16.3	20.3	21.3	21.3
95°	34.5	34.5	36.6	35.6	33.5	35.6	36.6	40.6	39.6
97.5°	70.1	69.1	67.1	62.0	58.9	56.9	57.9	59.9	59.9
100°	108.7	106.7	100.6	100.6	85.3	81.3	82.3	82.3	82.3
102.5°	151.4	147.3	137.2	128.0	114.8	110.7	107.7	106.7	106.7
105°	191.0	189.0	201.2	160.5	146.3	139.2	134.1	133.1	134.1
107.5°	237.7	233.7	239.8	198.1	179.8	168.7	163.6	160.5	159.5
110°	297.7	337.3	262.1	236.7	212.3	199.1	193.0	190.0	190.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	392.2	343.4	302.8	274.3	243.8	230.6	221.5	218.4	217.4
115°	381.0	369.8	344.4	312.9	277.4	261.1	249.9	246.9	243.8
117.5°	423.7	414.5	384.0	350.5	309.9	291.6	277.4	274.3	270.3
120°	468.4	458.2	427.7	385.1	340.4	318.0	305.8	302.8	299.7
122.5°	519.2	501.9	468.4	422.7	371.9	345.4	332.2	328.2	326.1
125°	561.8	543.6	507.0	454.2	402.3	371.9	360.7	354.6	350.5
127.5°	601.5	587.2	545.6	488.7	430.8	398.3	384.0	379.0	378.0
130°	640.1	626.9	583.2	523.2	460.2	422.7	411.5	404.4	403.4
132.5°	680.7	661.4	617.7	553.7	488.7	449.1	434.8	428.8	427.7
135°	715.3	699.0	652.3	582.2	516.1	473.5	459.2	452.1	450.1
137.5°	746.8	733.6	682.8	611.6	542.5	499.9	480.6	474.5	472.4
140°	780.3	762.0	710.2	638.0	569.0	526.3	500.9	496.8	491.7
142.5°	808.7	790.4	732.5	665.5	594.4	547.6	519.2	518.2	512.1
145°	835.2	812.8	754.9	689.9	616.7	569.0	539.5	535.4	530.4
147.5°	848.4	832.1	776.2	709.2	639.1	590.3	559.8	554.7	548.6
150°	862.6	844.3	792.5	728.5	661.4	609.6	580.1	571.0	564.9
152.5°	868.7	852.4	803.7	744.7	680.7	628.9	597.4	585.2	581.2
155°	873.8	857.5	812.8	757.9	699.0	647.2	614.7	600.5	597.4
157.5°	873.8	859.5	816.9	768.1	716.3	666.5	630.9	617.7	615.7
160°	870.7	859.5	821.9	775.2	728.5	683.8	649.2	635.0	632.0
162.5°	867.7	858.5	824.0	783.3	738.6	699.0	666.5	653.3	649.2
165°	865.6	856.5	821.9	789.4	747.8	713.2	682.8	670.6	665.5
167.5°	855.5	847.3	816.9	793.5	755.9	727.5	697.0	689.9	680.7
170°	840.2	834.1	811.8	795.5	763.0	737.6	712.2	704.1	697.0
172.5°	825.0	820.9	804.7	794.5	768.1	748.8	727.5	724.4	713.2
175°	806.7	806.7	792.5	788.4	771.1	756.9	743.7	740.7	731.5
177.5°	790.4	792.5	781.3	781.3	775.2	766.1	755.9	759.0	749.8
180°	773.2	773.2	773.2	773.2	773.2	773.2	773.2	773.2	773.2

(END OF REPORT)