

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: P275280

Luminaire Tested: **JW-WL-30L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275280  
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 (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: 2846.6 lumens  
Efficiency: N/A  
Efficacy: 103.9 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

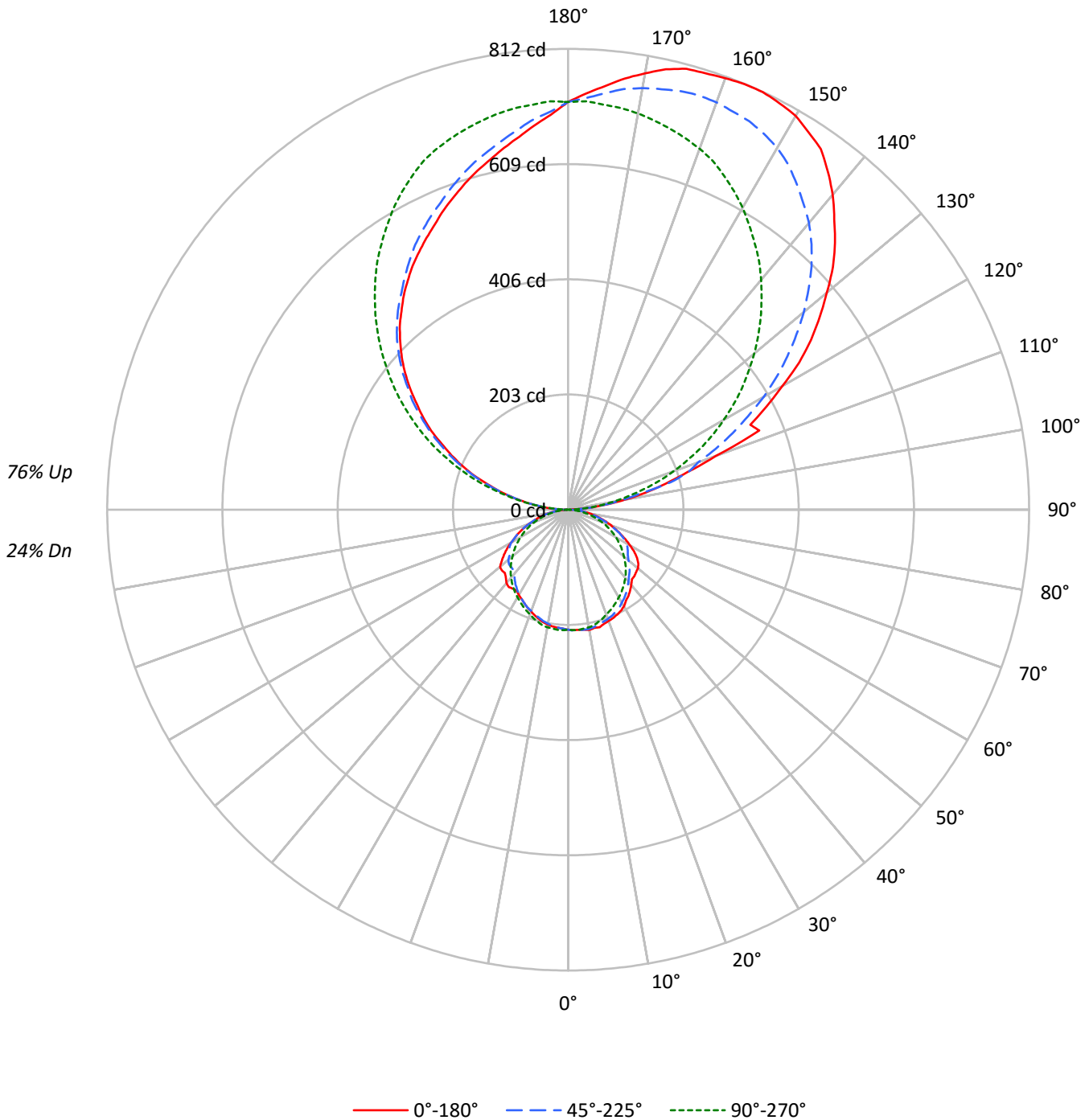
Input Watts (W): 27.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3415	3415	3415
5°	3442	3442	3381
10°	3528	3451	3374
15°	3582	3423	3330
20°	3584	3375	3277
25°	3632	3347	3246
30°	3662	3326	3238
35°	3646	3311	3349
40°	3642	3303	3562
45°	3772	3277	3599
50°	4032	3225	3936
55°	4172	3189	3879
60°	4056	3139	3749
65°	3897	3064	3641
70°	3786	2941	3474
75°	3649	2770	3356
80°	3598	2548	3161
85°	4372	2093	3149



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.1	0.7
10°-20°	57.8	2.0
20°-30°	87.9	3.1
30°-40°	107.3	3.8
40°-50°	116.5	4.1
50°-60°	113.6	4.0
60°-70°	91.4	3.2
70°-80°	56.1	2.0
80°-90°	19.8	0.7
90°-100°	40.7	1.4
100°-110°	156.0	5.5
110°-120°	274.8	9.7
120°-130°	358.1	12.6
130°-140°	395.5	13.9
140°-150°	377.7	13.3
150°-160°	306.7	10.8
160°-170°	198.3	7.0
170°-180°	68.3	2.4
0°-30°	165.8	5.8
0°-40°	273.1	9.6
0°-60°	503.2	17.7
0°-90°	670.5	23.6
90°-120°	471.6	16.6
90°-150°	1602.8	56.3
90°-180°	2176.0	76.4
0°-180°	2846.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	212	213	212	209	209	20
15°	214	210	205	197	199	60
25°	204	198	188	182	182	94
35°	185	178	168	161	170	116
45°	165	153	144	142	158	128
55°	148	128	113	125	138	131
65°	102	101	80	95	95	101
75°	58	57	44	53	54	63
85°	24	21	11	17	17	22
90°	5	4	1	4	2	5
95°	32	34	31	34	37	41
105°	178	187	136	125	125	192
115°	354	320	258	232	227	364
125°	522	471	374	335	326	465
135°	665	606	480	427	418	512
145°	776	701	573	501	493	483
155°	812	755	650	571	555	374
165°	804	764	695	634	618	227
175°	750	736	716	691	680	73
180°	718	718	718	718	718	



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CATALOG NUMBER: JW-WL-30L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	212.4	213.3	213.3	212.4	212.4	212.4	209.6	210.5	209.6
5°	212.4	215.2	213.3	213.3	212.4	210.5	208.6	209.6	208.6
7.5°	213.3	215.2	213.3	212.4	211.5	208.6	206.7	206.7	207.7
10°	215.2	215.2	213.3	212.4	210.5	206.7	203.9	203.9	205.8
12.5°	213.3	215.2	211.5	210.5	208.6	204.8	201.1	201.1	203.0
15°	214.3	213.3	209.6	207.7	204.8	202.0	197.3	197.3	199.2
17.5°	210.5	212.4	206.7	204.8	201.1	198.2	193.5	193.5	195.4
20°	208.6	210.5	204.8	201.1	196.4	194.5	189.7	190.7	190.7
22.5°	206.7	207.7	202.0	197.3	192.6	189.7	186.9	186.9	186.9
25°	203.9	203.9	198.2	192.6	187.9	184.1	182.2	182.2	182.2
27.5°	201.1	200.1	194.5	188.8	183.1	179.4	177.5	177.5	177.5
30°	196.4	194.5	188.8	183.1	178.4	174.6	172.8	171.8	173.7
32.5°	189.7	188.8	184.1	178.4	173.7	169.0	167.1	167.1	169.0
35°	185.0	183.1	178.4	172.8	168.0	163.3	161.4	162.4	169.9
37.5°	179.4	177.5	171.8	169.0	162.4	157.6	154.8	163.3	171.8
40°	172.8	171.8	165.2	162.4	156.7	152.9	148.2	164.3	169.0
42.5°	166.1	165.2	158.6	155.8	150.1	146.3	143.5	161.4	162.4
45°	165.2	159.5	152.9	148.2	143.5	139.7	142.5	154.8	157.6
47.5°	162.4	156.7	146.3	140.7	135.9	132.2	141.6	150.1	158.6
50°	160.5	153.9	138.8	134.0	128.4	124.6	137.8	151.0	156.7
52.5°	155.8	151.0	132.2	125.6	120.8	117.1	129.3	147.3	147.3
55°	148.2	145.4	128.4	117.1	113.3	109.5	124.6	136.9	137.8
57.5°	137.8	136.9	123.7	108.6	104.8	102.0	122.7	127.4	127.4
60°	125.6	126.5	118.0	100.1	97.2	95.3	116.1	116.1	116.1
62.5°	114.2	114.2	110.4	92.5	88.7	89.7	105.7	105.7	105.7
65°	102.0	102.0	101.0	84.0	80.2	85.0	95.3	95.3	95.3
67.5°	90.6	90.6	89.7	74.6	71.7	76.5	85.0	84.0	84.0
70°	80.2	80.2	78.4	68.0	62.3	68.9	73.6	74.6	73.6
72.5°	69.9	68.9	67.0	61.4	52.9	63.2	63.2	63.2	62.3
75°	58.5	58.5	56.6	52.9	44.4	52.9	52.9	52.9	53.8
77.5°	49.1	48.1	46.3	42.5	34.9	41.5	42.5	42.5	42.5
80°	38.7	38.7	36.8	32.1	27.4	32.1	32.1	33.0	34.0
82.5°	30.2	30.2	28.3	24.5	18.9	22.7	23.6	24.5	24.5
85°	23.6	23.6	20.8	17.0	11.3	15.1	17.0	17.9	17.0
87.5°	17.0	17.0	15.1	11.3	6.6	9.4	9.4	10.4	9.4
90°	4.7	4.7	3.8	2.8	0.9	2.8	3.8	2.8	1.9
92.5°	8.5	9.4	11.3	13.2	11.3	15.1	18.9	19.8	19.8
95°	32.1	32.1	34.0	33.0	31.2	33.0	34.0	37.8	36.8
97.5°	65.1	64.2	62.3	57.6	54.8	52.9	53.8	55.7	55.7
100°	101.0	99.1	93.5	93.5	79.3	75.5	76.5	76.5	76.5
102.5°	140.7	136.9	127.4	118.9	106.7	102.9	100.1	99.1	99.1
105°	177.5	175.6	186.9	149.2	135.9	129.3	124.6	123.7	124.6
107.5°	220.9	217.1	222.8	184.1	167.1	156.7	152.0	149.2	148.2
110°	276.6	313.4	243.6	220.0	197.3	185.0	179.4	176.5	176.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	364.4	319.1	281.3	254.9	226.6	214.3	205.8	203.0	202.0
115°	354.0	343.6	320.0	290.8	257.7	242.6	232.2	229.4	226.6
117.5°	393.6	385.2	356.8	325.7	287.9	270.9	257.7	254.9	251.1
120°	435.2	425.7	397.4	357.8	316.2	295.5	284.1	281.3	278.5
122.5°	482.4	466.3	435.2	392.7	345.5	321.0	308.7	304.9	303.0
125°	522.0	505.0	471.1	422.0	373.8	345.5	335.1	329.5	325.7
127.5°	558.8	545.6	506.9	454.1	400.3	370.0	356.8	352.1	351.2
130°	594.7	582.4	541.9	486.2	427.6	392.7	382.3	375.7	374.8
132.5°	632.5	614.5	574.0	514.5	454.1	417.2	404.0	398.4	397.4
135°	664.6	649.5	606.0	540.9	479.6	439.9	426.7	420.1	418.2
137.5°	693.8	681.6	634.4	568.3	504.1	464.4	446.5	440.8	439.0
140°	725.0	708.0	659.9	592.8	528.6	489.0	465.4	461.6	456.9
142.5°	751.4	734.4	680.6	618.3	552.2	508.8	482.4	481.4	475.8
145°	776.0	755.2	701.4	641.0	573.0	528.6	501.3	497.5	492.8
147.5°	788.2	773.1	721.2	658.9	593.8	548.5	520.1	515.4	509.8
150°	801.5	784.5	736.3	676.8	614.5	566.4	539.0	530.5	524.9
152.5°	807.1	792.0	746.7	692.0	632.5	584.3	555.1	543.7	540.0
155°	811.8	796.7	755.2	704.2	649.5	601.3	571.1	557.9	555.1
157.5°	811.8	798.6	759.0	713.7	665.5	619.3	586.2	574.0	572.1
160°	809.0	798.6	763.7	720.3	676.8	635.3	603.2	590.0	587.2
162.5°	806.2	797.7	765.6	727.8	686.3	649.5	619.3	607.0	603.2
165°	804.3	795.8	763.7	733.5	694.8	662.7	634.4	623.0	618.3
167.5°	794.8	787.3	759.0	737.3	702.3	675.9	647.6	641.0	632.5
170°	780.7	775.0	754.3	739.2	708.9	685.3	661.7	654.2	647.6
172.5°	766.5	762.8	747.6	738.2	713.7	695.7	675.9	673.1	662.7
175°	749.5	749.5	736.3	732.5	716.5	703.3	691.0	688.2	679.7
177.5°	734.4	736.3	725.9	725.9	720.3	711.8	702.3	705.2	696.7
180°	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4

(END OF REPORT)