

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: P275263

Luminaire Tested: **JW-WL-20L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275263  
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 (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: 1837.6 lumens  
Efficiency: N/A  
Efficacy: 105.0 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

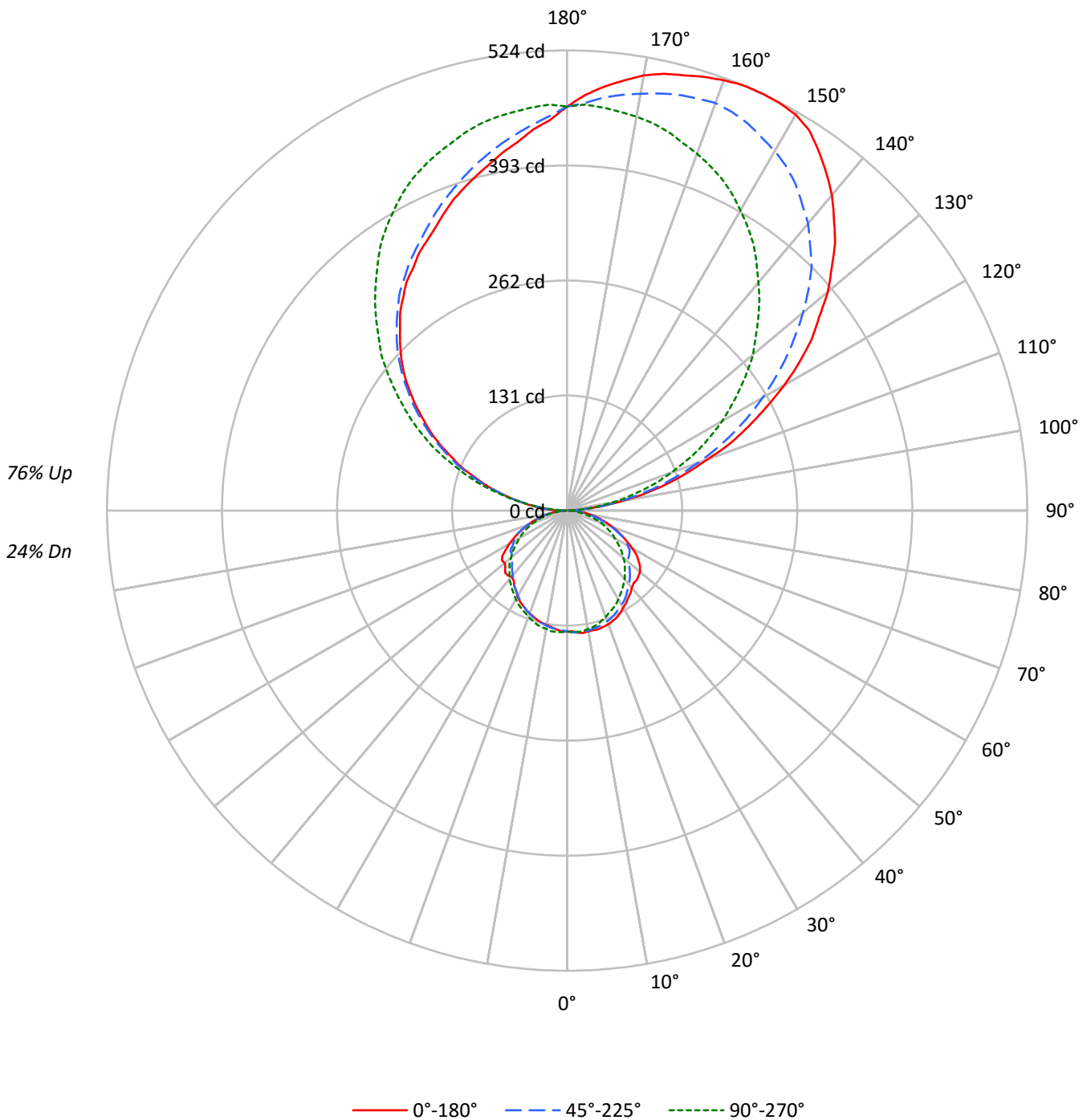
Input Watts (W): 17.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2223	2223	2223
5°	2261	2246	2203
10°	2287	2243	2167
15°	2332	2240	2163
20°	2366	2208	2144
25°	2387	2191	2125
30°	2379	2174	2105
35°	2389	2152	2064
40°	2418	2148	2070
45°	2557	2117	2286
50°	2720	2097	2328
55°	2790	2066	2533
60°	2758	2015	2461
65°	2667	1998	2350
70°	2601	1950	2252
75°	2520	1778	2121
80°	2557	1618	1962
85°	3057	1538	2038



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.1	0.7
10°-20°	37.8	2.1
20°-30°	57.4	3.1
30°-40°	69.6	3.8
40°-50°	75.1	4.1
50°-60°	73.9	4.0
60°-70°	60.1	3.3
70°-80°	37.2	2.0
80°-90°	13.1	0.7
90°-100°	26.4	1.4
100°-110°	99.8	5.4
110°-120°	176.3	9.6
120°-130°	231.4	12.6
130°-140°	255.2	13.9
140°-150°	243.2	13.2
150°-160°	197.2	10.7
160°-170°	127.2	6.9
170°-180°	43.7	2.4
0°-30°	108.3	5.9
0°-40°	177.9	9.7
0°-60°	326.9	17.8
0°-90°	437.2	23.8
90°-120°	302.5	16.5
90°-150°	1032.2	56.2
90°-180°	1400.0	76.2
0°-180°	1837.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	138	138	138	138	138	
5°	140	140	139	135	136	13
15°	140	137	134	129	129	39
25°	134	129	123	119	119	62
35°	121	118	109	105	105	76
45°	112	101	93	89	100	86
55°	99	86	73	79	90	88
65°	70	69	52	62	62	69
75°	40	39	28	34	34	43
85°	16	15	8	11	11	16
90°	1	1	1	2	2	3
95°	19	22	19	24	26	26
105°	118	108	87	81	82	124
115°	229	208	166	151	146	226
125°	340	305	240	216	211	302
135°	432	394	308	274	269	332
145°	499	454	370	323	318	312
155°	524	486	417	365	355	242
165°	513	490	446	407	396	146
175°	485	472	461	442	436	47
180°	460	460	460	460	460	



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CATALOG NUMBER: JW-WL-20L82765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2.5°	137.7	138.6	138.6	138.6	138.6	138.6	135.9	136.8	137.7
5°	139.5	139.5	139.5	138.6	138.6	137.7	134.9	135.9	135.9
7.5°	140.5	140.5	139.5	138.6	138.6	137.7	134.9	134.9	134.0
10°	139.5	140.5	138.6	138.6	136.8	135.9	133.1	133.1	132.2
12.5°	139.5	140.5	137.7	136.8	135.9	133.1	131.3	131.3	131.3
15°	139.5	140.5	136.8	135.9	134.0	131.3	129.4	129.4	129.4
17.5°	138.6	138.6	135.9	133.1	131.3	128.5	127.6	127.6	126.7
20°	137.7	137.7	134.0	131.3	128.5	125.8	124.8	124.8	124.8
22.5°	135.9	135.9	132.2	129.4	125.8	123.0	122.1	122.1	122.1
25°	134.0	133.1	129.4	126.7	123.0	120.3	119.3	118.4	119.3
27.5°	131.3	130.4	126.7	123.0	120.3	117.5	115.7	115.7	116.6
30°	127.6	127.6	123.9	120.3	116.6	113.8	112.0	112.0	112.9
32.5°	124.8	124.8	121.2	116.6	112.9	111.1	108.3	108.3	108.3
35°	121.2	121.2	117.5	112.9	109.2	106.5	104.7	104.7	104.7
37.5°	118.4	118.4	112.9	109.2	105.6	102.8	100.1	100.1	100.1
40°	114.7	113.8	109.2	105.6	101.9	99.1	96.4	96.4	98.2
42.5°	112.0	109.2	105.6	101.9	97.3	94.6	92.7	94.6	100.1
45°	112.0	106.5	101.0	97.3	92.7	90.0	89.0	95.5	100.1
47.5°	110.2	106.5	96.4	92.7	89.0	85.4	84.5	95.5	95.5
50°	108.3	104.7	90.9	87.2	83.5	80.8	80.8	90.9	92.7
52.5°	104.7	101.9	88.1	82.6	78.9	76.2	79.9	87.2	93.6
55°	99.1	98.2	86.3	77.1	73.4	70.7	78.9	88.1	90.0
57.5°	93.6	93.6	84.5	70.7	67.9	66.1	73.4	83.5	82.6
60°	85.4	86.3	79.9	66.1	62.4	60.6	69.8	76.2	76.2
62.5°	77.1	78.0	75.3	60.6	57.8	55.1	68.8	68.8	68.8
65°	69.8	69.8	68.8	55.1	52.3	49.6	62.4	61.5	61.5
67.5°	62.4	62.4	60.6	49.6	46.8	46.8	55.1	55.1	54.2
70°	55.1	55.1	53.2	45.9	41.3	43.1	48.7	47.7	47.7
72.5°	47.7	47.7	45.9	41.3	34.9	37.6	40.4	40.4	41.3
75°	40.4	41.3	38.6	35.8	28.5	34.0	34.0	34.0	34.0
77.5°	34.0	34.0	31.2	28.5	22.9	27.5	26.6	27.5	27.5
80°	27.5	27.5	25.7	22.0	17.4	21.1	21.1	21.1	21.1
82.5°	21.1	21.1	19.3	16.5	11.9	14.7	15.6	15.6	15.6
85°	16.5	16.5	14.7	11.0	8.3	9.2	11.0	11.0	11.0
87.5°	11.9	11.9	10.1	7.3	4.6	6.4	6.4	5.5	5.5
90°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	0.9	1.8
92.5°	4.6	4.6	5.5	7.3	7.3	11.0	12.9	14.7	14.7
95°	19.3	20.2	22.0	21.1	19.3	22.0	23.9	25.7	25.7
97.5°	41.3	42.2	40.4	37.6	34.0	34.9	34.9	37.6	38.6
100°	65.2	64.3	61.5	57.8	51.4	49.6	48.7	50.5	50.5
102.5°	91.8	90.0	83.5	77.1	68.8	65.2	65.2	64.3	65.2
105°	118.4	115.7	108.3	97.3	87.2	83.5	80.8	79.9	81.7
107.5°	143.2	142.3	133.1	119.3	107.4	101.0	99.1	97.3	97.3
110°	168.9	167.1	157.9	140.5	125.8	119.3	116.6	113.8	112.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	202.0	196.5	183.6	164.3	145.0	138.6	134.0	131.3	131.3
115°	228.6	223.1	208.4	187.3	166.2	156.1	150.6	147.8	146.0
117.5°	256.1	250.6	233.2	209.3	184.5	174.4	167.1	166.2	163.4
120°	285.5	278.2	257.0	231.3	203.8	190.0	183.6	181.8	179.9
122.5°	313.0	303.9	280.9	251.5	221.2	205.6	199.2	197.4	194.6
125°	339.7	328.6	304.8	273.6	239.6	222.2	215.7	213.0	211.1
127.5°	361.7	354.3	327.7	293.8	258.0	237.8	230.4	227.7	226.7
130°	387.4	377.3	350.7	312.1	276.3	253.4	246.0	241.4	242.4
132.5°	408.5	400.2	372.7	331.4	291.0	268.1	260.7	256.1	256.1
135°	431.5	422.3	393.8	348.8	307.5	283.7	274.5	269.9	269.0
137.5°	449.8	442.5	409.4	365.4	324.1	297.4	287.3	283.7	281.8
140°	469.1	459.0	426.9	381.9	338.7	312.1	300.2	297.4	295.6
142.5°	484.7	473.7	439.7	396.6	354.3	325.9	313.0	310.3	306.6
145°	499.4	486.5	453.5	410.3	370.0	338.7	323.1	320.4	318.5
147.5°	513.2	498.5	464.5	422.3	382.8	351.6	334.2	331.4	326.8
150°	520.5	506.7	472.8	434.2	394.7	362.6	344.2	340.6	337.8
152.5°	523.3	513.2	479.2	444.3	406.7	375.5	354.3	349.8	346.1
155°	524.2	515.0	486.5	452.6	416.8	387.4	365.4	358.9	355.3
157.5°	524.2	514.1	491.1	459.0	425.0	397.5	376.4	369.0	366.3
160°	521.4	514.1	493.9	464.5	432.4	406.7	386.5	378.2	377.3
162.5°	517.8	512.2	492.0	468.2	438.8	415.9	396.6	388.3	386.5
165°	513.2	508.6	490.2	471.9	446.1	424.1	406.7	399.3	395.7
167.5°	509.5	504.0	486.5	471.9	451.7	432.4	415.9	410.3	404.8
170°	503.1	498.5	481.9	470.9	455.3	437.9	425.0	419.5	414.9
172.5°	493.9	490.2	477.4	470.0	458.1	444.3	433.3	429.6	424.1
175°	484.7	482.9	471.9	469.1	460.8	450.7	441.6	439.7	436.0
177.5°	473.7	472.8	464.5	466.3	462.7	455.3	449.8	450.7	445.2
180°	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9

(END OF REPORT)