

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: P275272

Luminaire Tested: **JW-WL-20L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

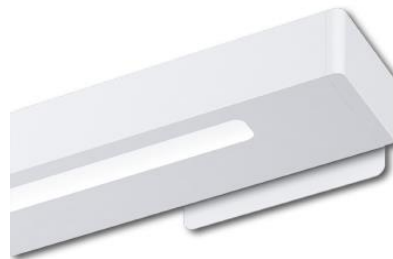
**Test Information**

Test Method: LM-79-08  
Report Number: P275272  
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-20L92765-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1631.4 lumens  
Efficiency: N/A  
Efficacy: 94.3 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

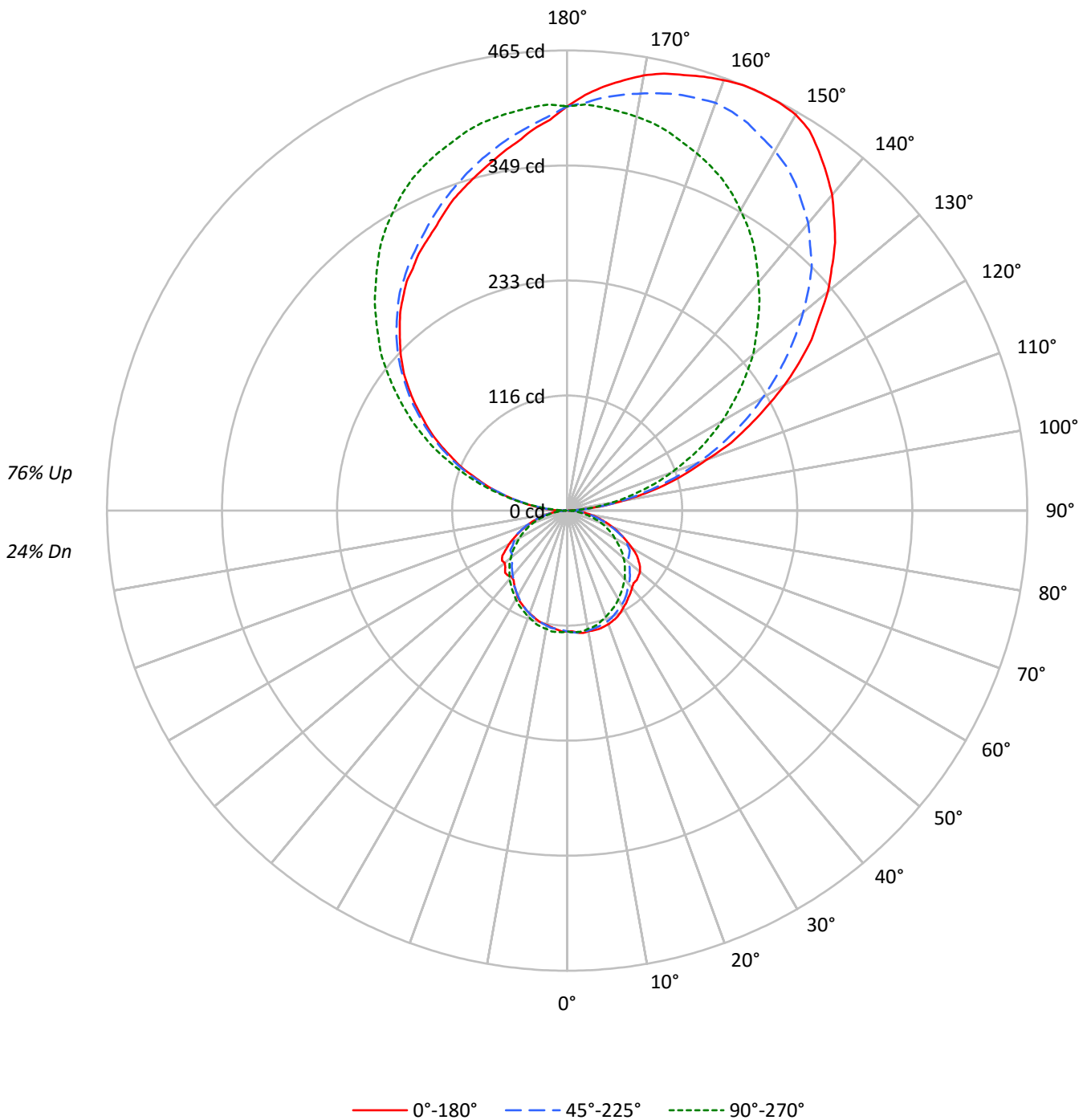
Input Watts (W): 17.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1973	1973	1973
5°	2008	1995	1955
10°	2031	1990	1925
15°	2071	1989	1921
20°	2100	1960	1904
25°	2120	1945	1887
30°	2112	1930	1868
35°	2121	1912	1831
40°	2148	1907	1838
45°	2270	1879	2028
50°	2416	1864	2067
55°	2477	1835	2249
60°	2448	1789	2183
65°	2365	1777	2086
70°	2308	1733	2002
75°	2240	1578	1884
80°	2269	1441	1739
85°	2723	1352	1815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.7	0.7
10°-20°	33.5	2.1
20°-30°	51.0	3.1
30°-40°	61.8	3.8
40°-50°	66.6	4.1
50°-60°	65.6	4.0
60°-70°	53.3	3.3
70°-80°	33.0	2.0
80°-90°	11.6	0.7
90°-100°	23.4	1.4
100°-110°	88.6	5.4
110°-120°	156.5	9.6
120°-130°	205.4	12.6
130°-140°	226.6	13.9
140°-150°	215.9	13.2
150°-160°	175.1	10.7
160°-170°	112.9	6.9
170°-180°	38.8	2.4
0°-30°	96.2	5.9
0°-40°	158.0	9.7
0°-60°	290.2	17.8
0°-90°	388.1	23.8
90°-120°	268.5	16.5
90°-150°	916.4	56.2
90°-180°	1243.0	76.2
0°-180°	1631.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	122	122	122	122	122	
5°	124	124	123	120	121	12
15°	124	121	119	115	115	35
25°	119	115	109	106	106	55
35°	108	104	97	93	93	68
45°	99	90	82	79	89	77
55°	88	77	65	70	80	78
65°	62	61	46	55	55	61
75°	36	34	25	30	30	38
85°	15	13	7	10	10	14
90°	1	1	1	2	2	2
95°	17	20	17	21	23	23
105°	105	96	77	72	72	110
115°	203	185	148	134	130	201
125°	302	271	213	192	187	268
135°	383	350	273	244	239	295
145°	443	403	328	287	283	277
155°	465	432	370	324	315	215
165°	456	435	396	361	351	129
175°	430	419	409	392	387	42
180°	408	408	408	408	408	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2
2.5°	122.2	123.1	123.1	123.1	123.1	123.1	120.6	121.4	122.2
5°	123.9	123.9	123.9	123.1	123.1	122.2	119.8	120.6	120.6
7.5°	124.7	124.7	123.9	123.1	123.1	122.2	119.8	119.8	119.0
10°	123.9	124.7	123.1	123.1	121.4	120.6	118.2	118.2	117.4
12.5°	123.9	124.7	122.2	121.4	120.6	118.2	116.5	116.5	116.5
15°	123.9	124.7	121.4	120.6	119.0	116.5	114.9	114.9	114.9
17.5°	123.1	123.1	120.6	118.2	116.5	114.1	113.3	113.3	112.5
20°	122.2	122.2	119.0	116.5	114.1	111.7	110.8	110.8	110.8
22.5°	120.6	120.6	117.4	114.9	111.7	109.2	108.4	108.4	108.4
25°	119.0	118.2	114.9	112.5	109.2	106.8	105.9	105.1	105.9
27.5°	116.5	115.7	112.5	109.2	106.8	104.3	102.7	102.7	103.5
30°	113.3	113.3	110.0	106.8	103.5	101.1	99.4	99.4	100.2
32.5°	110.8	110.8	107.6	103.5	100.2	98.6	96.2	96.2	96.2
35°	107.6	107.6	104.3	100.2	97.0	94.5	92.9	92.9	92.9
37.5°	105.1	105.1	100.2	97.0	93.7	91.3	88.8	88.8	88.8
40°	101.9	101.1	97.0	93.7	90.5	88.0	85.6	85.6	87.2
42.5°	99.4	97.0	93.7	90.5	86.4	83.9	82.3	83.9	88.8
45°	99.4	94.5	89.6	86.4	82.3	79.9	79.1	84.8	88.8
47.5°	97.8	94.5	85.6	82.3	79.1	75.8	75.0	84.8	84.8
50°	96.2	92.9	80.7	77.4	74.2	71.7	71.7	80.7	82.3
52.5°	92.9	90.5	78.2	73.3	70.1	67.6	70.9	77.4	83.1
55°	88.0	87.2	76.6	68.5	65.2	62.8	70.1	78.2	79.9
57.5°	83.1	83.1	75.0	62.8	60.3	58.7	65.2	74.2	73.3
60°	75.8	76.6	70.9	58.7	55.4	53.8	61.9	67.6	67.6
62.5°	68.5	69.3	66.8	53.8	51.3	48.9	61.1	61.1	61.1
65°	61.9	61.9	61.1	48.9	46.5	44.0	55.4	54.6	54.6
67.5°	55.4	55.4	53.8	44.0	41.6	41.6	48.9	48.9	48.1
70°	48.9	48.9	47.3	40.7	36.7	38.3	43.2	42.4	42.4
72.5°	42.4	42.4	40.7	36.7	31.0	33.4	35.9	35.9	36.7
75°	35.9	36.7	34.2	31.8	25.3	30.2	30.2	30.2	30.2
77.5°	30.2	30.2	27.7	25.3	20.4	24.4	23.6	24.4	24.4
80°	24.4	24.4	22.8	19.6	15.5	18.7	18.7	18.7	18.7
82.5°	18.7	18.7	17.1	14.7	10.6	13.0	13.9	13.9	13.9
85°	14.7	14.7	13.0	9.8	7.3	8.1	9.8	9.8	9.8
87.5°	10.6	10.6	9.0	6.5	4.1	5.7	5.7	4.9	4.9
90°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	0.8	1.6
92.5°	4.1	4.1	4.9	6.5	6.5	9.8	11.4	13.0	13.0
95°	17.1	17.9	19.6	18.7	17.1	19.6	21.2	22.8	22.8
97.5°	36.7	37.5	35.9	33.4	30.2	31.0	31.0	33.4	34.2
100°	57.9	57.0	54.6	51.3	45.6	44.0	43.2	44.8	44.8
102.5°	81.5	79.9	74.2	68.5	61.1	57.9	57.9	57.0	57.9
105°	105.1	102.7	96.2	86.4	77.4	74.2	71.7	70.9	72.5
107.5°	127.1	126.3	118.2	105.9	95.4	89.6	88.0	86.4	86.4
110°	150.0	148.3	140.2	124.7	111.7	105.9	103.5	101.1	100.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	179.3	174.4	163.0	145.9	128.8	123.1	119.0	116.5	116.5
115°	202.9	198.0	185.0	166.3	147.5	138.5	133.7	131.2	129.6
117.5°	227.4	222.5	207.0	185.8	163.8	154.8	148.3	147.5	145.1
120°	253.5	246.9	228.2	205.4	180.9	168.7	163.0	161.4	159.7
122.5°	277.9	269.8	249.4	223.3	196.4	182.6	176.9	175.2	172.8
125°	301.5	291.8	270.6	242.9	212.7	197.2	191.5	189.1	187.4
127.5°	321.1	314.6	291.0	260.8	229.0	211.1	204.6	202.1	201.3
130°	343.9	335.0	311.3	277.1	245.3	224.9	218.4	214.3	215.2
132.5°	362.7	355.3	330.9	294.2	258.4	238.0	231.5	227.4	227.4
135°	383.0	374.9	349.6	309.7	273.0	251.8	243.7	239.6	238.8
137.5°	399.3	392.8	363.5	324.4	287.7	264.1	255.1	251.8	250.2
140°	416.5	407.5	379.0	339.0	300.7	277.1	266.5	264.1	262.4
142.5°	430.3	420.5	390.4	352.1	314.6	289.3	277.9	275.5	272.2
145°	443.4	431.9	402.6	364.3	328.4	300.7	286.9	284.4	282.8
147.5°	455.6	442.5	412.4	374.9	339.9	312.1	296.7	294.2	290.1
150°	462.1	449.9	419.7	385.5	350.4	321.9	305.6	302.4	299.9
152.5°	464.5	455.6	425.4	394.5	361.0	333.3	314.6	310.5	307.3
155°	465.4	457.2	431.9	401.8	370.0	343.9	324.4	318.7	315.4
157.5°	465.4	456.4	436.0	407.5	377.3	352.9	334.1	327.6	325.2
160°	462.9	456.4	438.5	412.4	383.9	361.0	343.1	335.8	335.0
162.5°	459.7	454.8	436.8	415.6	389.6	369.2	352.1	344.7	343.1
165°	455.6	451.5	435.2	418.9	396.1	376.5	361.0	354.5	351.3
167.5°	452.3	447.4	431.9	418.9	401.0	383.9	369.2	364.3	359.4
170°	446.6	442.5	427.9	418.1	404.2	388.8	377.3	372.5	368.4
172.5°	438.5	435.2	423.8	417.3	406.7	394.5	384.7	381.4	376.5
175°	430.3	428.7	418.9	416.5	409.1	400.2	392.0	390.4	387.1
177.5°	420.5	419.7	412.4	414.0	410.8	404.2	399.3	400.2	395.3
180°	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3

(END OF REPORT)