

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: P275268

Luminaire Tested: **JW-WL-20L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275268  
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 (5000K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2061.7 lumens  
Efficiency: N/A  
Efficacy: 115.2 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

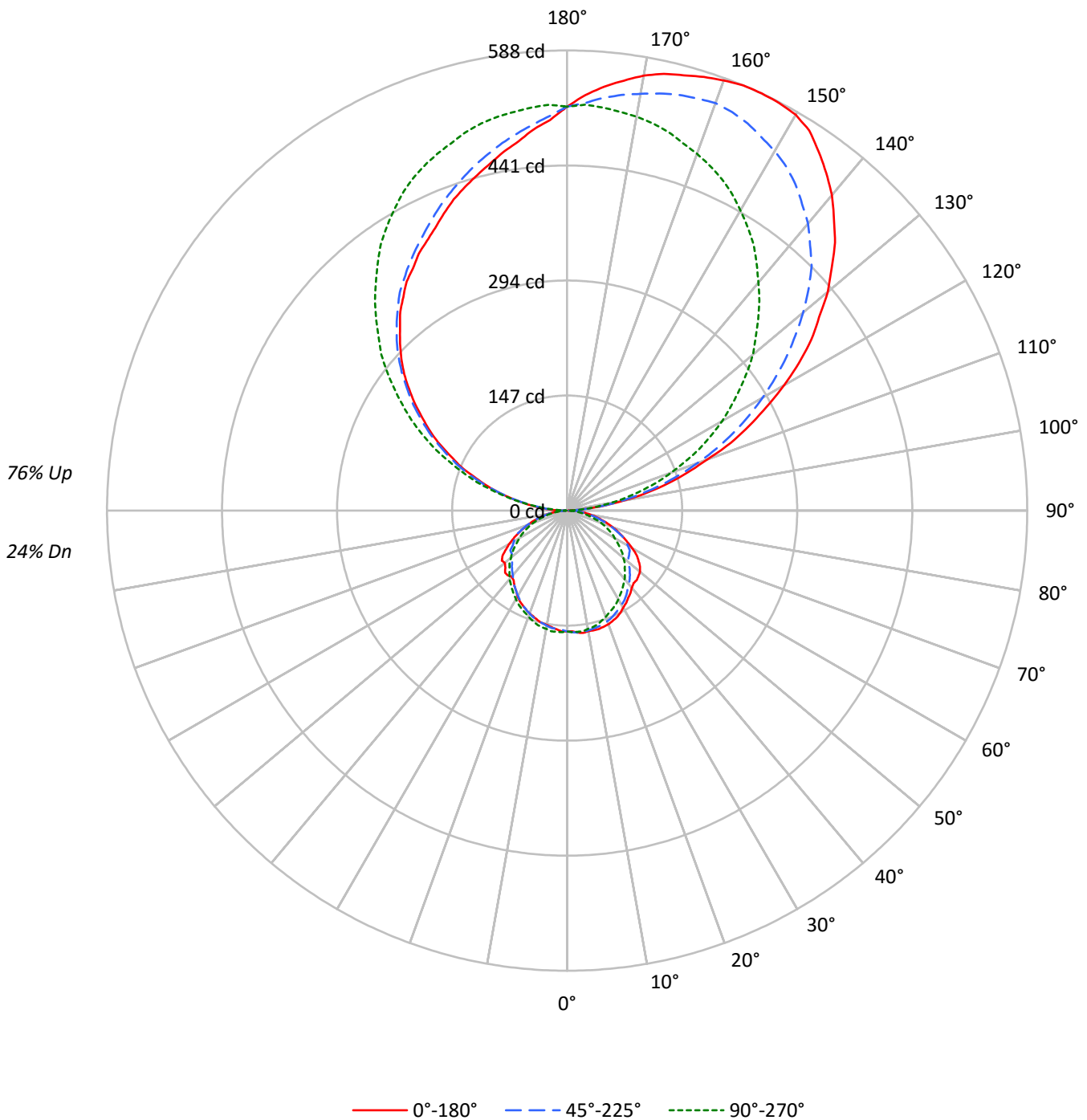
Input Watts (W): 17.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2495	2495	2495
5°	2538	2520	2470
10°	2567	2517	2431
15°	2618	2514	2427
20°	2655	2478	2407
25°	2679	2458	2385
30°	2670	2439	2362
35°	2681	2416	2314
40°	2713	2409	2323
45°	2870	2375	2564
50°	3052	2354	2612
55°	3130	2320	2840
60°	3094	2260	2761
65°	2991	2243	2636
70°	2917	2186	2530
75°	2826	1990	2377
80°	2873	1822	2204
85°	3427	1723	2297



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.7	0.7
10°-20°	42.4	2.1
20°-30°	64.4	3.1
30°-40°	78.1	3.8
40°-50°	84.2	4.1
50°-60°	82.9	4.0
60°-70°	67.4	3.3
70°-80°	41.7	2.0
80°-90°	14.7	0.7
90°-100°	29.6	1.4
100°-110°	111.9	5.4
110°-120°	197.8	9.6
120°-130°	259.6	12.6
130°-140°	286.4	13.9
140°-150°	272.9	13.2
150°-160°	221.3	10.7
160°-170°	142.7	6.9
170°-180°	49.1	2.4
0°-30°	121.5	5.9
0°-40°	199.7	9.7
0°-60°	366.7	17.8
0°-90°	490.5	23.8
90°-120°	339.4	16.5
90°-150°	1158.1	56.2
90°-180°	1571.0	76.2
0°-180°	2061.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	154	154	154	154	154	
5°	157	157	156	151	152	15
15°	157	154	150	145	145	44
25°	150	145	138	134	134	69
35°	136	132	123	117	117	85
45°	126	113	104	100	112	97
55°	111	97	82	89	101	99
65°	78	77	59	70	69	78
75°	45	43	32	38	38	48
85°	18	16	9	12	12	18
90°	1	1	1	2	2	3
95°	22	25	22	27	29	29
105°	133	122	98	91	92	139
115°	256	234	186	169	164	254
125°	381	342	269	242	237	339
135°	484	442	345	308	302	372
145°	560	509	415	363	357	350
155°	588	546	468	410	399	272
165°	576	550	501	456	444	163
175°	544	529	517	495	489	52
180°	516	516	516	516	516	



TEST NUMBER: P275268

CATALOG NUMBER: JW-WL-20L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	154.5	155.5	155.5	155.5	155.5	155.5	152.4	153.5	154.5
5°	156.6	156.6	156.6	155.5	155.5	154.5	151.4	152.4	152.4
7.5°	157.6	157.6	156.6	155.5	155.5	154.5	151.4	151.4	150.4
10°	156.6	157.6	155.5	155.5	153.5	152.4	149.3	149.3	148.3
12.5°	156.6	157.6	154.5	153.5	152.4	149.3	147.3	147.3	147.3
15°	156.6	157.6	153.5	152.4	150.4	147.3	145.2	145.2	145.2
17.5°	155.5	155.5	152.4	149.3	147.3	144.2	143.2	143.2	142.1
20°	154.5	154.5	150.4	147.3	144.2	141.1	140.1	140.1	140.1
22.5°	152.4	152.4	148.3	145.2	141.1	138.0	137.0	137.0	137.0
25°	150.4	149.3	145.2	142.1	138.0	134.9	133.9	132.9	133.9
27.5°	147.3	146.3	142.1	138.0	134.9	131.8	129.8	129.8	130.8
30°	143.2	143.2	139.0	134.9	130.8	127.7	125.7	125.7	126.7
32.5°	140.1	140.1	136.0	130.8	126.7	124.6	121.5	121.5	121.5
35°	136.0	136.0	131.8	126.7	122.6	119.5	117.4	117.4	117.4
37.5°	132.9	132.9	126.7	122.6	118.4	115.4	112.3	112.3	112.3
40°	128.7	127.7	122.6	118.4	114.3	111.2	108.1	108.1	110.2
42.5°	125.7	122.6	118.4	114.3	109.2	106.1	104.0	106.1	112.3
45°	125.7	119.5	113.3	109.2	104.0	100.9	99.9	107.1	112.3
47.5°	123.6	119.5	108.1	104.0	99.9	95.8	94.8	107.1	107.1
50°	121.5	117.4	102.0	97.8	93.7	90.6	90.6	102.0	104.0
52.5°	117.4	114.3	98.9	92.7	88.6	85.5	89.6	97.8	105.1
55°	111.2	110.2	96.8	86.5	82.4	79.3	88.6	98.9	100.9
57.5°	105.1	105.1	94.8	79.3	76.2	74.2	82.4	93.7	92.7
60°	95.8	96.8	89.6	74.2	70.0	68.0	78.3	85.5	85.5
62.5°	86.5	87.5	84.5	68.0	64.9	61.8	77.2	77.2	77.2
65°	78.3	78.3	77.2	61.8	58.7	55.6	70.0	69.0	69.0
67.5°	70.0	70.0	68.0	55.6	52.5	52.5	61.8	61.8	60.8
70°	61.8	61.8	59.7	51.5	46.3	48.4	54.6	53.6	53.6
72.5°	53.6	53.6	51.5	46.3	39.1	42.2	45.3	45.3	46.3
75°	45.3	46.3	43.3	40.2	31.9	38.1	38.1	38.1	38.1
77.5°	38.1	38.1	35.0	31.9	25.7	30.9	29.9	30.9	30.9
80°	30.9	30.9	28.8	24.7	19.6	23.7	23.7	23.7	23.7
82.5°	23.7	23.7	21.6	18.5	13.4	16.5	17.5	17.5	17.5
85°	18.5	18.5	16.5	12.4	9.3	10.3	12.4	12.4	12.4
87.5°	13.4	13.4	11.3	8.2	5.1	7.2	7.2	6.2	6.2
90°	1.0	1.0	1.0	1.0	1.0	1.0	2.1	1.0	2.1
92.5°	5.1	5.1	6.2	8.2	8.2	12.4	14.4	16.5	16.5
95°	21.6	22.7	24.7	23.7	21.6	24.7	26.8	28.8	28.8
97.5°	46.3	47.4	45.3	42.2	38.1	39.1	39.1	42.2	43.3
100°	73.1	72.1	69.0	64.9	57.7	55.6	54.6	56.6	56.6
102.5°	103.0	100.9	93.7	86.5	77.2	73.1	73.1	72.1	73.1
105°	132.9	129.8	121.5	109.2	97.8	93.7	90.6	89.6	91.7
107.5°	160.7	159.6	149.3	133.9	120.5	113.3	111.2	109.2	109.2
110°	189.5	187.5	177.2	157.6	141.1	133.9	130.8	127.7	126.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	226.6	220.4	206.0	184.4	162.7	155.5	150.4	147.3	147.3
115°	256.5	250.3	233.8	210.1	186.4	175.1	168.9	165.8	163.8
117.5°	287.4	281.2	261.6	234.8	207.0	195.7	187.5	186.4	183.3
120°	320.3	312.1	288.4	259.6	228.7	213.2	206.0	203.9	201.9
122.5°	351.2	340.9	315.2	282.2	248.2	230.7	223.5	221.4	218.4
125°	381.1	368.7	342.0	306.9	268.8	249.3	242.0	239.0	236.9
127.5°	405.8	397.6	367.7	329.6	289.4	266.8	258.5	255.4	254.4
130°	434.7	423.3	393.5	350.2	310.0	284.3	276.0	270.9	271.9
132.5°	458.3	449.1	418.2	371.8	326.5	300.8	292.5	287.4	287.4
135°	484.1	473.8	441.9	391.4	345.0	318.3	308.0	302.8	301.8
137.5°	504.7	496.5	459.4	409.9	363.6	333.7	322.4	318.3	316.2
140°	526.3	515.0	478.9	428.5	380.1	350.2	336.8	333.7	331.7
142.5°	543.8	531.5	493.4	445.0	397.6	365.6	351.2	348.1	344.0
145°	560.3	545.9	508.8	460.4	415.1	380.1	362.6	359.5	357.4
147.5°	575.8	559.3	521.2	473.8	429.5	394.5	374.9	371.8	366.7
150°	584.0	568.6	530.4	487.2	442.9	406.8	386.2	382.1	379.0
152.5°	587.1	575.8	537.7	498.5	456.3	421.3	397.6	392.4	388.3
155°	588.1	577.8	545.9	507.8	467.6	434.7	409.9	402.7	398.6
157.5°	588.1	576.8	551.0	515.0	476.9	446.0	422.3	414.1	411.0
160°	585.0	576.8	554.1	521.2	485.1	456.3	433.6	424.4	423.3
162.5°	580.9	574.7	552.1	525.3	492.3	466.6	445.0	435.7	433.6
165°	575.8	570.6	550.0	529.4	500.6	475.9	456.3	448.0	443.9
167.5°	571.6	565.5	545.9	529.4	506.8	485.1	466.6	460.4	454.2
170°	564.4	559.3	540.7	528.4	510.9	491.3	476.9	470.7	465.6
172.5°	554.1	550.0	535.6	527.4	514.0	498.5	486.2	482.0	475.9
175°	543.8	541.8	529.4	526.3	517.1	505.7	495.4	493.4	489.2
177.5°	531.5	530.4	521.2	523.2	519.1	510.9	504.7	505.7	499.5
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

(END OF REPORT)