

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: P274877

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-20L92765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1926.6 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

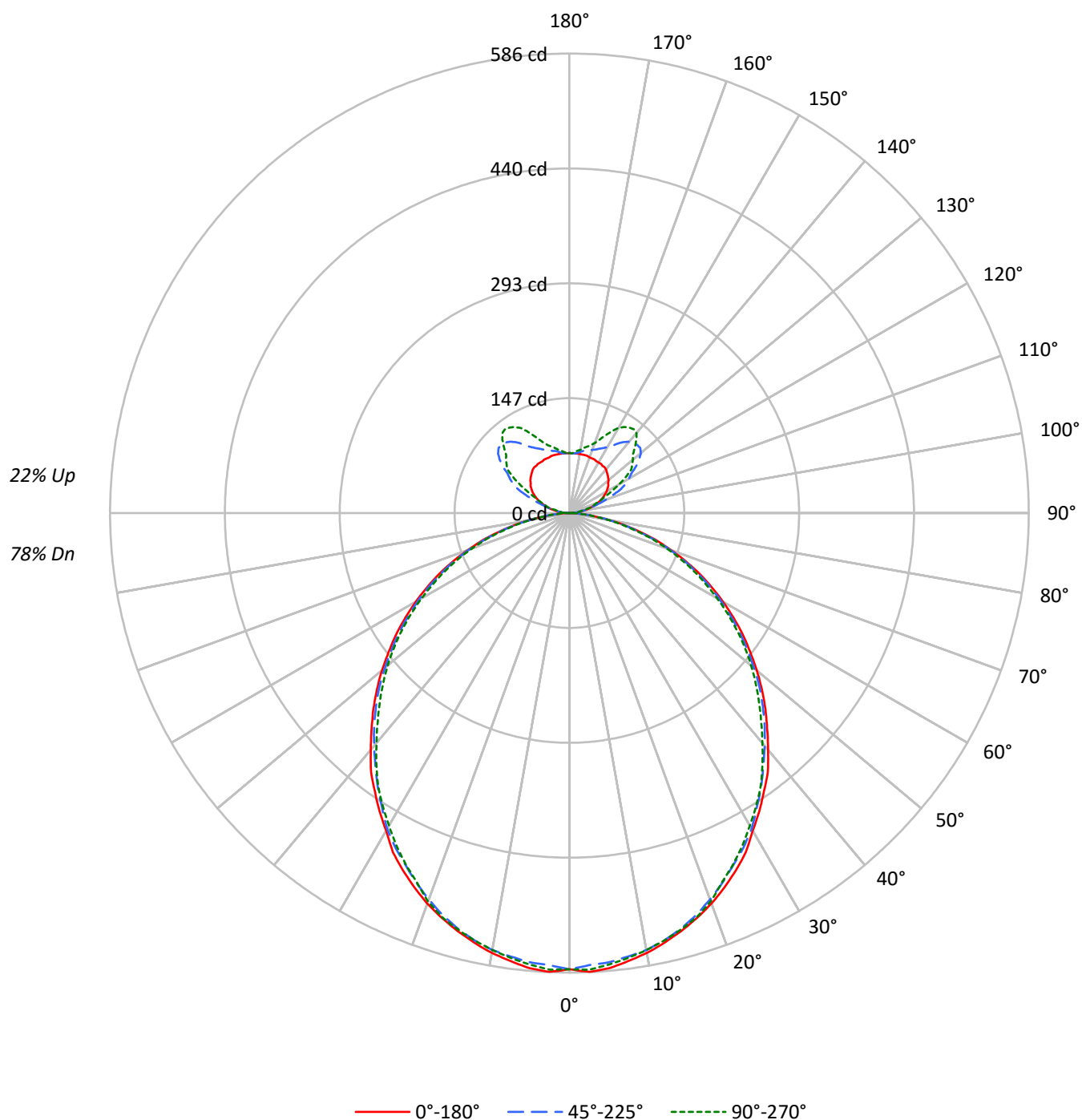
Input Watts (W): 17.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78		
1	104	100	96	92	99	95	92	88	87	84	82	80	78	76	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	46	43	40		
5	73	61	52	46	69	58	50	45	54	47	42	50	44	40	46	41	37	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	41	37	33	31		
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	43	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22		
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4697	4697	4697
5°	4723	4661	4685
10°	4669	4638	4638
15°	4611	4587	4595
20°	4553	4504	4528
25°	4477	4410	4401
30°	4360	4334	4290
35°	4265	4200	4191
40°	4154	4085	4035
45°	4037	3983	3908
50°	3920	3861	3802
55°	3796	3730	3676
60°	3654	3592	3517
65°	3494	3423	3351
70°	3250	3205	3116
75°	2941	2854	2764
80°	2413	2413	2278
85°	1575	1658	1658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	2.8
10°-20°	155.1	8.1
20°-30°	229.2	11.9
30°-40°	267.6	13.9
40°-50°	269.2	14.0
50°-60°	237.2	12.3
60°-70°	177.3	9.2
70°-80°	97.5	5.1
80°-90°	22.9	1.2
90°-100°	10.8	0.6
100°-110°	34.9	1.8
110°-120°	65.7	3.4
120°-130°	82.7	4.3
130°-140°	81.6	4.2
140°-150°	66.4	3.4
150°-160°	42.8	2.2
160°-170°	23.4	1.2
170°-180°	7.4	0.4
0°-30°	439.2	22.8
0°-40°	706.8	36.7
0°-60°	1213.2	63.0
0°-90°	1510.8	78.4
90°-120°	111.5	5.8
90°-150°	342.2	17.8
90°-180°	416.0	21.6
0°-180°	1926.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	583	579	575	578	578	55
15°	552	552	549	551	550	156
25°	503	500	495	498	494	231
35°	433	432	426	425	425	271
45°	354	353	349	346	342	273
55°	270	270	265	261	261	241
65°	183	183	179	176	175	181
75°	94	93	92	90	89	100
85°	17	18	18	18	18	21
90°	0	0	0	0	0	2
95°	10	9	9	10	10	10
105°	29	46	30	30	28	31
115°	47	92	73	56	51	47
125°	60	95	104	96	96	54
135°	69	86	123	123	118	53
145°	74	83	108	129	133	46
155°	75	81	90	103	109	35
165°	76	78	82	86	88	22
175°	76	77	76	78	78	7
180°	76	76	76	76	76	



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CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	581.8	581.8	581.8	581.8	581.8
2.5°	585.6	581.8	577.1	580.9	582.8
5°	582.8	579.0	575.2	578.1	578.1
7.5°	576.2	575.2	570.5	574.3	572.4
10°	569.6	568.6	565.8	568.6	565.8
12.5°	561.1	560.1	558.3	562.0	558.3
15°	551.7	551.7	548.8	550.7	549.8
17.5°	541.3	541.3	537.5	539.4	540.3
20°	530.0	528.1	524.3	526.2	527.1
22.5°	516.8	514.9	510.2	512.0	509.2
25°	502.6	499.8	495.1	497.9	494.1
27.5°	487.5	482.8	480.9	481.9	478.1
30°	467.7	466.8	464.9	463.0	460.2
32.5°	450.8	449.8	445.1	443.2	443.2
35°	432.8	431.9	426.2	425.3	425.3
37.5°	415.9	413.0	406.4	405.5	404.5
40°	394.2	393.2	387.6	385.7	382.9
42.5°	373.4	372.5	368.7	365.9	362.1
45°	353.6	352.7	348.9	346.1	342.3
47.5°	332.9	333.8	329.1	324.4	322.5
50°	312.1	313.1	307.4	303.6	302.7
52.5°	290.4	291.4	285.7	282.0	282.0
55°	269.7	269.7	265.0	261.2	261.2
57.5°	248.0	248.0	243.3	240.5	239.5
60°	226.3	225.4	222.5	219.7	217.8
62.5°	204.6	204.6	200.9	198.0	196.1
65°	182.9	182.9	179.2	176.3	175.4
67.5°	160.3	161.3	157.5	154.7	153.7
70°	137.7	137.7	135.8	132.0	132.0
72.5°	116.9	115.0	114.1	111.3	111.3
75°	94.3	93.4	91.5	90.5	88.6
77.5°	72.6	72.6	70.7	69.8	68.8
80°	51.9	53.8	51.9	50.9	49.0
82.5°	33.0	34.9	33.9	32.1	32.1
85°	17.0	17.9	17.9	17.9	17.9
87.5°	5.7	6.6	7.5	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.7	5.7	7.5	7.5	7.5
95°	10.4	9.4	9.4	10.4	10.4
97.5°	15.1	15.1	12.3	12.3	12.3
100°	19.8	24.5	18.9	15.1	15.1
102.5°	24.5	34.9	24.5	20.7	18.9
105°	29.2	46.2	30.2	30.2	28.3
107.5°	33.9	55.6	38.7	31.1	32.1
110°	38.7	68.8	48.1	38.7	36.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	43.4	82.0	60.4	46.2	43.4
115°	47.2	91.5	72.6	55.6	50.9
117.5°	50.9	96.2	81.1	67.9	61.3
120°	54.7	98.1	87.7	79.2	73.6
122.5°	57.5	98.1	93.4	90.5	84.9
125°	60.4	95.2	103.7	96.2	96.2
127.5°	62.2	92.4	112.2	101.8	100.9
130°	65.1	89.6	118.8	104.7	105.6
132.5°	67.0	86.8	122.6	114.1	109.4
135°	68.8	85.8	122.6	122.6	117.9
137.5°	70.7	84.9	121.6	129.2	126.4
140°	72.6	84.9	118.8	132.0	133.0
142.5°	73.6	83.9	114.1	132.0	134.8
145°	73.6	83.0	108.4	129.2	133.0
147.5°	74.5	82.0	101.8	124.5	130.1
150°	74.5	82.0	97.1	118.8	125.4
152.5°	74.5	81.1	93.4	110.3	117.9
155°	75.4	81.1	90.5	102.8	109.4
157.5°	75.4	80.2	87.7	97.1	101.8
160°	75.4	79.2	85.8	92.4	95.2
162.5°	76.4	78.3	83.9	88.6	90.5
165°	76.4	78.3	82.0	85.8	87.7
167.5°	76.4	77.3	81.1	83.9	84.9
170°	76.4	77.3	79.2	81.1	82.0
172.5°	76.4	77.3	77.3	79.2	80.2
175°	76.4	77.3	76.4	78.3	78.3
177.5°	76.4	76.4	76.4	76.4	76.4
180°	76.4	76.4	76.4	76.4	76.4

(END OF REPORT)