

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: P274873

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-20L92765-1D-UNV-W2A-W-4 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1748.8 lumens
Efficiency: N/A
Efficacy: 102.9 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

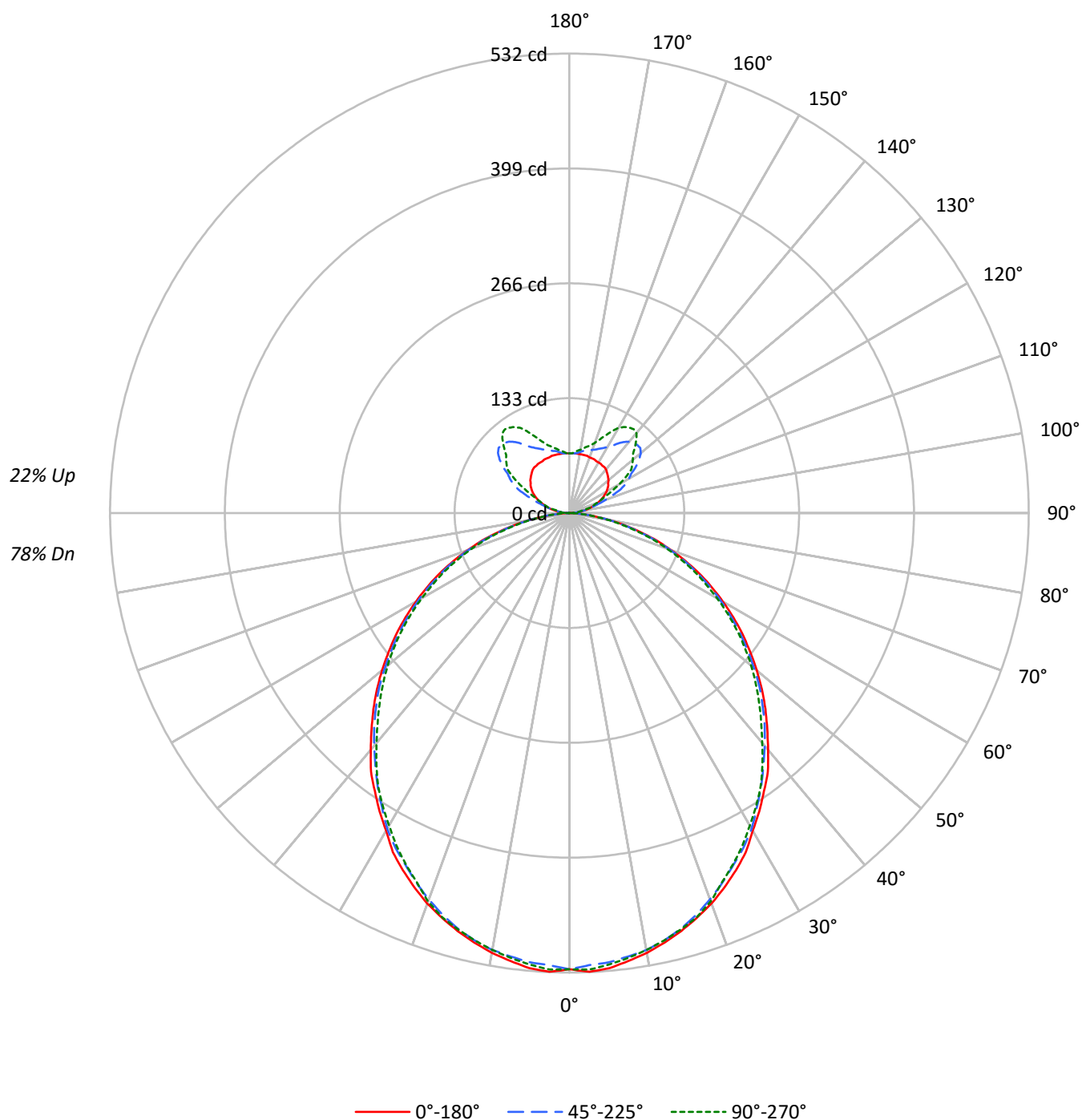
Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4264	4264	4264
5°	4287	4232	4252
10°	4238	4210	4210
15°	4186	4164	4171
20°	4133	4088	4111
25°	4064	4003	3995
30°	3958	3934	3894
35°	3872	3813	3805
40°	3771	3707	3662
45°	3665	3616	3547
50°	3558	3505	3451
55°	3445	3385	3337
60°	3316	3261	3192
65°	3173	3106	3041
70°	2950	2910	2828
75°	2670	2589	2511
80°	2190	2190	2069
85°	1426	1510	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	2.8
10°-20°	140.8	8.1
20°-30°	208.1	11.9
30°-40°	242.9	13.9
40°-50°	244.3	14.0
50°-60°	215.3	12.3
60°-70°	161.0	9.2
70°-80°	88.5	5.1
80°-90°	20.8	1.2
90°-100°	9.8	0.6
100°-110°	31.7	1.8
110°-120°	59.7	3.4
120°-130°	75.1	4.3
130°-140°	74.1	4.2
140°-150°	60.2	3.4
150°-160°	38.8	2.2
160°-170°	21.2	1.2
170°-180°	6.7	0.4
0°-30°	398.7	22.8
0°-40°	641.6	36.7
0°-60°	1101.2	63.0
0°-90°	1371.4	78.4
90°-120°	101.2	5.8
90°-150°	310.6	17.8
90°-180°	377.0	21.6
0°-180°	1748.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	528	528	528	528	528	
5°	529	526	522	525	525	50
15°	501	501	498	500	499	141
25°	456	454	449	452	448	210
35°	393	392	387	386	386	246
45°	321	320	317	314	311	248
55°	245	245	240	237	237	219
65°	166	166	163	160	159	164
75°	86	85	83	82	80	91
85°	15	16	16	16	16	19
90°	0	0	0	0	0	1
95°	9	9	9	9	9	9
105°	26	42	27	27	26	28
115°	43	83	66	50	46	42
125°	55	86	94	87	87	49
135°	62	78	111	111	107	48
145°	67	75	98	117	121	42
155°	68	74	82	93	99	32
165°	69	71	74	78	80	20
175°	69	70	69	71	71	7
180°	69	69	69	69	69	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	528.2	528.2	528.2	528.2	528.2
2.5°	531.6	528.2	523.9	527.3	529.0
5°	529.0	525.6	522.2	524.7	524.7
7.5°	523.0	522.2	517.9	521.3	519.6
10°	517.0	516.2	513.6	516.2	513.6
12.5°	509.3	508.5	506.8	510.2	506.8
15°	500.8	500.8	498.2	499.9	499.0
17.5°	491.3	491.3	487.9	489.6	490.5
20°	481.1	479.4	475.9	477.6	478.5
22.5°	469.1	467.4	463.1	464.8	462.2
25°	456.2	453.7	449.4	452.0	448.5
27.5°	442.6	438.3	436.6	437.4	434.0
30°	424.6	423.7	422.0	420.3	417.7
32.5°	409.2	408.3	404.0	402.3	402.3
35°	392.9	392.0	386.9	386.1	386.1
37.5°	377.5	374.9	368.9	368.1	367.2
40°	357.8	357.0	351.8	350.1	347.5
42.5°	339.0	338.1	334.7	332.1	328.7
45°	321.0	320.1	316.7	314.2	310.7
47.5°	302.2	303.0	298.7	294.5	292.8
50°	283.3	284.2	279.1	275.6	274.8
52.5°	263.6	264.5	259.4	255.9	255.9
55°	244.8	244.8	240.5	237.1	237.1
57.5°	225.1	225.1	220.8	218.3	217.4
60°	205.4	204.6	202.0	199.4	197.7
62.5°	185.8	185.8	182.3	179.8	178.0
65°	166.1	166.1	162.6	160.1	159.2
67.5°	145.5	146.4	143.0	140.4	139.5
70°	125.0	125.0	123.3	119.8	119.8
72.5°	106.1	104.4	103.6	101.0	101.0
75°	85.6	84.7	83.0	82.2	80.5
77.5°	65.9	65.9	64.2	63.3	62.5
80°	47.1	48.8	47.1	46.2	44.5
82.5°	30.0	31.7	30.8	29.1	29.1
85°	15.4	16.3	16.3	16.3	16.3
87.5°	5.1	6.0	6.8	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.1	5.1	6.8	6.8	6.8
95°	9.4	8.6	8.6	9.4	9.4
97.5°	13.7	13.7	11.1	11.1	11.1
100°	18.0	22.3	17.1	13.7	13.7
102.5°	22.3	31.7	22.3	18.8	17.1
105°	26.5	41.9	27.4	27.4	25.7
107.5°	30.8	50.5	35.1	28.2	29.1
110°	35.1	62.5	43.7	35.1	33.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.4	74.5	54.8	41.9	39.4
115°	42.8	83.0	65.9	50.5	46.2
117.5°	46.2	87.3	73.6	61.6	55.6
120°	49.6	89.0	79.6	71.9	66.8
122.5°	52.2	89.0	84.7	82.2	77.0
125°	54.8	86.5	94.2	87.3	87.3
127.5°	56.5	83.9	101.9	92.4	91.6
130°	59.1	81.3	107.9	95.0	95.9
132.5°	60.8	78.8	111.3	103.6	99.3
135°	62.5	77.9	111.3	111.3	107.0
137.5°	64.2	77.0	110.4	117.3	114.7
140°	65.9	77.0	107.9	119.8	120.7
142.5°	66.8	76.2	103.6	119.8	122.4
145°	66.8	75.3	98.4	117.3	120.7
147.5°	67.6	74.5	92.4	113.0	118.1
150°	67.6	74.5	88.2	107.9	113.8
152.5°	67.6	73.6	84.7	100.2	107.0
155°	68.5	73.6	82.2	93.3	99.3
157.5°	68.5	72.8	79.6	88.2	92.4
160°	68.5	71.9	77.9	83.9	86.5
162.5°	69.3	71.0	76.2	80.5	82.2
165°	69.3	71.0	74.5	77.9	79.6
167.5°	69.3	70.2	73.6	76.2	77.0
170°	69.3	70.2	71.9	73.6	74.5
172.5°	69.3	70.2	70.2	71.9	72.8
175°	69.3	70.2	69.3	71.0	71.0
177.5°	69.3	69.3	69.3	69.3	69.3
180°	69.3	69.3	69.3	69.3	69.3

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