

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: P253426

Luminaire Tested: **J2-WL-40L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L93050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3081.4 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

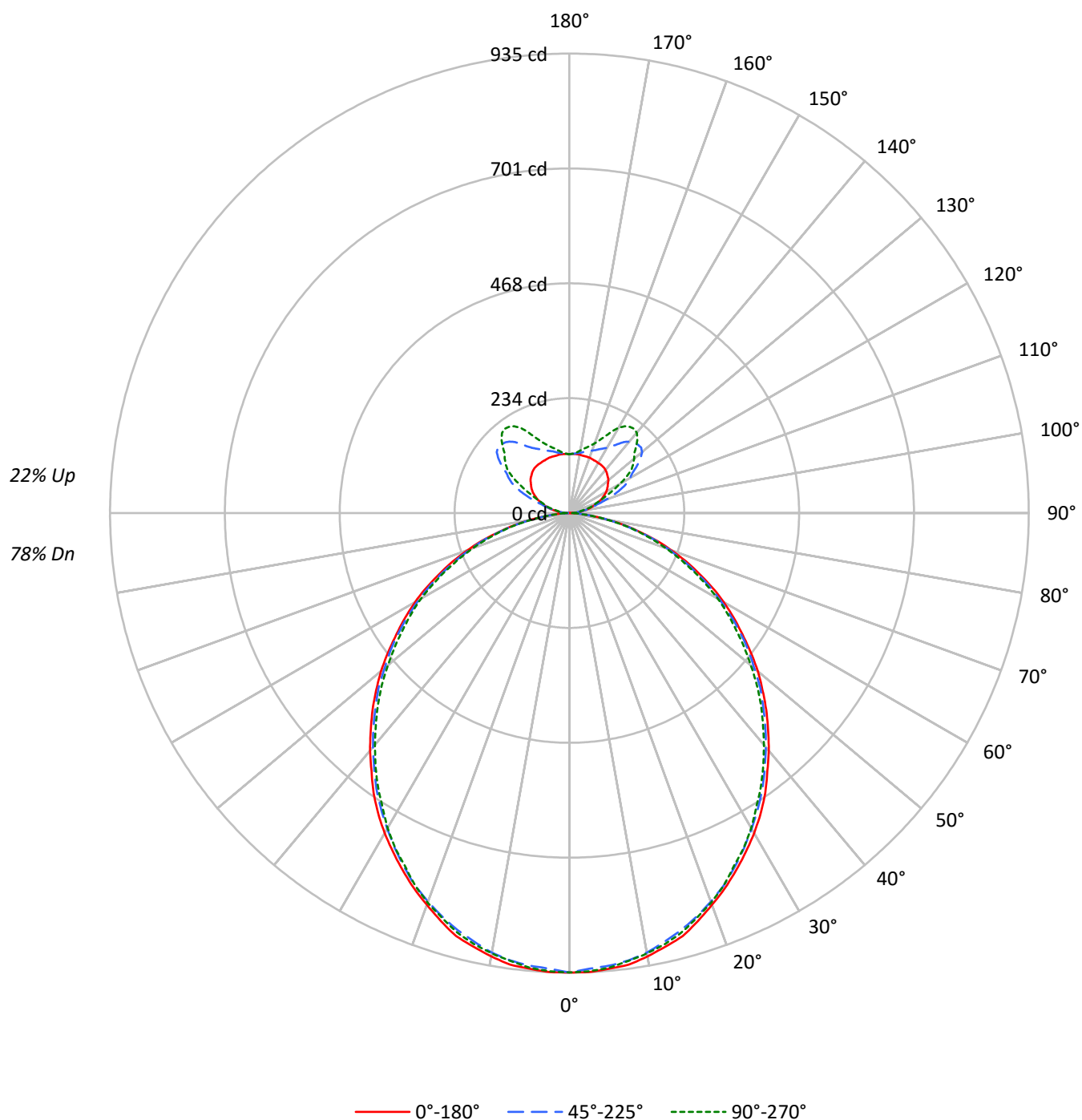
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	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	47	43
5	73	61	52	46	69	58	51	45	54	47	42	50	44	40	46	41	38
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7547	7547	7547
5°	7544	7493	7524
10°	7510	7446	7459
15°	7448	7344	7383
20°	7289	7229	7248
25°	7147	7085	7057
30°	7009	6914	6900
35°	6849	6750	6697
40°	6652	6554	6489
45°	6469	6372	6292
50°	6286	6168	6051
55°	6047	5971	5828
60°	5856	5717	5643
65°	5561	5412	5293
70°	5181	5051	4943
75°	4613	4538	4492
80°	3691	3729	3617
85°	2381	2455	2519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	2.9
10°-20°	249.0	8.1
20°-30°	367.3	11.9
30°-40°	429.0	13.9
40°-50°	430.8	14.0
50°-60°	379.2	12.3
60°-70°	282.0	9.2
70°-80°	154.6	5.0
80°-90°	35.2	1.1
90°-100°	17.7	0.6
100°-110°	56.2	1.8
110°-120°	105.9	3.4
120°-130°	133.2	4.3
130°-140°	131.2	4.3
140°-150°	105.7	3.4
150°-160°	67.6	2.2
160°-170°	37.0	1.2
170°-180°	11.7	0.4
0°-30°	704.4	22.9
0°-40°	1133.4	36.8
0°-60°	1943.5	63.1
0°-90°	2415.2	78.4
90°-120°	179.8	5.8
90°-150°	549.8	17.8
90°-180°	666.0	21.6
0°-180°	3081.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	935	935	935	935	935	
5°	931	928	925	928	928	88
15°	891	886	879	886	883	250
25°	802	801	795	795	792	370
35°	695	691	685	683	680	434
45°	567	565	558	552	551	437
55°	430	431	424	418	414	385
65°	291	291	283	280	277	289
75°	148	148	146	143	144	158
85°	26	26	26	28	27	33
90°	1	2	3	4	3	3
95°	16	16	16	17	17	16
105°	47	75	48	48	44	49
115°	75	149	117	90	82	74
125°	95	153	168	156	154	85
135°	109	136	197	199	192	84
145°	117	132	171	206	214	73
155°	118	128	143	163	172	55
165°	120	124	130	136	138	34
175°	121	121	121	122	122	12
180°	120	120	120	120	120	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	934.8	934.8	934.8	934.8	934.8
2.5°	934.8	933.2	927.8	932.4	933.2
5°	930.9	928.5	924.6	928.5	928.5
7.5°	927.0	923.1	918.4	920.8	919.2
10°	916.1	914.5	908.3	911.4	909.9
12.5°	903.6	901.3	893.5	899.7	898.2
15°	891.2	885.7	878.7	886.5	883.4
17.5°	870.2	868.6	860.8	867.8	863.2
20°	848.4	847.6	841.4	844.5	843.7
22.5°	826.6	824.2	820.4	821.1	820.4
25°	802.4	800.9	795.4	794.7	792.3
27.5°	777.5	776.8	769.0	769.0	768.2
30°	751.9	749.5	741.7	741.7	740.2
32.5°	724.6	720.7	713.7	712.2	708.3
35°	695.0	691.1	684.9	682.6	679.5
37.5°	661.6	660.8	653.0	650.7	648.3
40°	631.2	628.9	621.9	619.5	615.7
42.5°	598.5	598.5	590.0	584.5	583.0
45°	566.6	565.1	558.1	551.8	551.1
47.5°	533.2	532.4	526.9	517.6	517.6
50°	500.5	498.9	491.1	484.9	481.8
52.5°	464.7	467.0	459.2	452.2	448.3
55°	429.6	431.2	424.2	418.0	414.1
57.5°	396.2	396.9	389.2	384.5	381.4
60°	362.7	361.9	354.1	350.2	349.5
62.5°	327.7	326.1	319.9	316.0	312.1
65°	291.1	291.1	283.3	280.2	277.1
67.5°	256.8	254.5	249.1	245.9	242.1
70°	219.5	218.7	214.0	211.7	209.4
72.5°	186.0	183.7	181.3	178.2	175.9
75°	147.9	147.9	145.5	143.2	144.0
77.5°	115.2	114.4	112.1	110.5	110.5
80°	79.4	80.9	80.2	79.4	77.8
82.5°	51.4	52.1	49.8	49.8	50.6
85°	25.7	26.5	26.5	28.0	27.2
87.5°	8.6	9.3	10.9	11.7	11.7
90°	0.8	2.3	3.1	3.9	3.1
92.5°	8.6	9.3	11.7	11.7	11.7
95°	16.3	15.6	15.6	17.1	17.1
97.5°	24.1	24.9	19.5	20.2	20.2
100°	31.9	38.9	29.6	24.1	24.1
102.5°	39.7	56.8	38.9	34.2	31.1
105°	46.7	74.7	48.3	48.3	43.6
107.5°	53.7	91.1	60.7	50.6	50.6
110°	60.7	112.9	78.6	60.7	57.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	68.5	133.9	98.1	73.2	68.5
115°	74.7	148.7	116.7	89.5	82.5
117.5°	80.9	154.9	131.5	108.2	98.8
120°	86.4	157.2	142.4	127.6	118.3
122.5°	91.1	156.4	151.8	145.5	137.8
125°	95.0	152.6	168.1	155.7	154.1
127.5°	98.8	147.1	182.1	164.2	163.4
130°	103.5	141.7	193.0	170.5	172.0
132.5°	106.6	137.8	197.7	185.2	178.2
135°	109.0	136.2	196.9	199.3	192.2
137.5°	112.1	134.6	194.6	207.8	204.7
140°	114.4	134.6	189.9	211.7	213.3
142.5°	116.0	133.1	182.1	210.9	216.4
145°	116.7	131.5	171.2	206.3	214.0
147.5°	117.5	130.8	161.1	199.3	209.4
150°	117.5	129.2	153.3	188.4	200.8
152.5°	118.3	128.4	147.9	175.1	186.8
155°	118.3	127.6	143.2	163.4	172.0
157.5°	119.1	126.1	138.5	154.1	160.3
160°	119.9	125.3	135.4	146.3	151.0
162.5°	119.9	124.5	132.3	140.9	144.0
165°	119.9	123.8	130.0	136.2	138.5
167.5°	119.9	123.0	126.9	132.3	133.9
170°	120.6	122.2	124.5	128.4	129.2
172.5°	120.6	121.4	123.0	125.3	125.3
175°	120.6	120.6	121.4	122.2	122.2
177.5°	120.6	120.6	120.6	120.6	120.6
180°	119.9	119.9	119.9	119.9	119.9

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