

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: P274875

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274875
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1851.0 lumens
Efficiency: N/A
Efficacy: 107.0 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

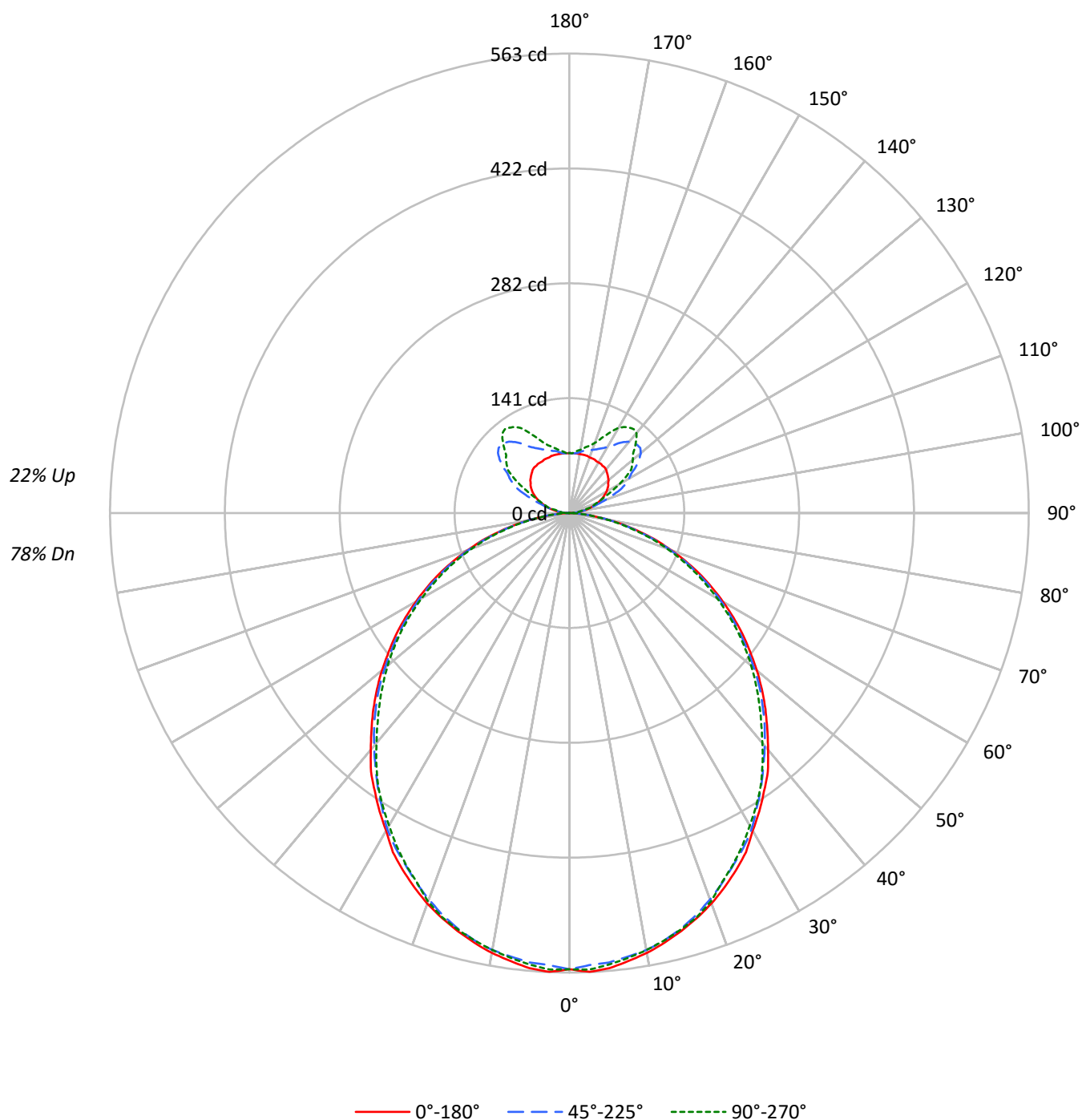
Input Watts (W): 17.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	4513	4513	4513
5°	4537	4479	4501
10°	4486	4456	4456
15°	4430	4407	4415
20°	4375	4327	4351
25°	4301	4236	4228
30°	4189	4164	4121
35°	4099	4036	4027
40°	3991	3925	3876
45°	3878	3827	3755
50°	3767	3710	3652
55°	3647	3583	3533
60°	3510	3452	3379
65°	3358	3287	3219
70°	3123	3080	2993
75°	2826	2742	2658
80°	2315	2315	2190
85°	1510	1593	1593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	2.8
10°-20°	149.1	8.1
20°-30°	220.2	11.9
30°-40°	257.1	13.9
40°-50°	258.6	14.0
50°-60°	227.9	12.3
60°-70°	170.4	9.2
70°-80°	93.6	5.1
80°-90°	22.0	1.2
90°-100°	10.3	0.6
100°-110°	33.6	1.8
110°-120°	63.2	3.4
120°-130°	79.5	4.3
130°-140°	78.4	4.2
140°-150°	63.8	3.4
150°-160°	41.1	2.2
160°-170°	22.5	1.2
170°-180°	7.1	0.4
0°-30°	422.0	22.8
0°-40°	679.1	36.7
0°-60°	1165.6	63.0
0°-90°	1451.5	78.4
90°-120°	107.1	5.8
90°-150°	328.8	17.8
90°-180°	399.0	21.6
0°-180°	1851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	560	556	553	555	555	53
15°	530	530	527	529	528	149
25°	483	480	476	478	475	222
35°	416	415	410	409	409	260
45°	340	339	335	332	329	262
55°	259	259	255	251	251	231
65°	176	176	172	169	168	173
75°	91	90	88	87	85	96
85°	16	17	17	17	17	21
90°	0	0	0	0	0	1
95°	10	9	9	10	10	10
105°	28	44	29	29	27	30
115°	45	88	70	54	49	45
125°	58	92	100	92	92	52
135°	66	82	118	118	113	51
145°	71	80	104	124	128	45
155°	72	78	87	99	105	33
165°	73	75	79	82	84	21
175°	73	74	73	75	75	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	559.0	559.0	559.0	559.0	559.0
2.5°	562.6	559.0	554.5	558.1	559.9
5°	559.9	556.3	552.7	555.4	555.4
7.5°	553.6	552.7	548.1	551.8	549.9
10°	547.2	546.3	543.6	546.3	543.6
12.5°	539.1	538.2	536.4	540.0	536.4
15°	530.0	530.0	527.3	529.1	528.2
17.5°	520.0	520.0	516.4	518.2	519.1
20°	509.2	507.4	503.7	505.5	506.5
22.5°	496.5	494.7	490.1	492.0	489.2
25°	482.9	480.2	475.6	478.4	474.7
27.5°	468.4	463.9	462.1	463.0	459.3
30°	449.4	448.5	446.7	444.8	442.1
32.5°	433.1	432.2	427.6	425.8	425.8
35°	415.9	414.9	409.5	408.6	408.6
37.5°	399.5	396.8	390.5	389.6	388.7
40°	378.7	377.8	372.4	370.6	367.8
42.5°	358.8	357.9	354.2	351.5	347.9
45°	339.7	338.8	335.2	332.5	328.9
47.5°	319.8	320.7	316.2	311.7	309.9
50°	299.9	300.8	295.4	291.7	290.8
52.5°	279.0	280.0	274.5	270.9	270.9
55°	259.1	259.1	254.6	251.0	251.0
57.5°	238.3	238.3	233.7	231.0	230.1
60°	217.4	216.5	213.8	211.1	209.3
62.5°	196.6	196.6	193.0	190.3	188.4
65°	175.8	175.8	172.1	169.4	168.5
67.5°	154.0	154.9	151.3	148.6	147.7
70°	132.3	132.3	130.5	126.8	126.8
72.5°	112.3	110.5	109.6	106.9	106.9
75°	90.6	89.7	87.9	87.0	85.2
77.5°	69.8	69.8	67.9	67.0	66.1
80°	49.8	51.6	49.8	48.9	47.1
82.5°	31.7	33.5	32.6	30.8	30.8
85°	16.3	17.2	17.2	17.2	17.2
87.5°	5.4	6.3	7.2	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.4	5.4	7.2	7.2	7.2
95°	10.0	9.1	9.1	10.0	10.0
97.5°	14.5	14.5	11.8	11.8	11.8
100°	19.0	23.6	18.1	14.5	14.5
102.5°	23.6	33.5	23.6	19.9	18.1
105°	28.1	44.4	29.0	29.0	27.2
107.5°	32.6	53.5	37.1	29.9	30.8
110°	37.1	66.1	46.2	37.1	35.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	41.7	78.8	58.0	44.4	41.7
115°	45.3	87.9	69.8	53.5	48.9
117.5°	48.9	92.4	77.9	65.2	58.9
120°	52.5	94.2	84.3	76.1	70.7
122.5°	55.3	94.2	89.7	87.0	81.5
125°	58.0	91.5	99.7	92.4	92.4
127.5°	59.8	88.8	107.8	97.8	96.9
130°	62.5	86.1	114.2	100.6	101.5
132.5°	64.3	83.4	117.8	109.6	105.1
135°	66.1	82.4	117.8	117.8	113.2
137.5°	67.9	81.5	116.9	124.1	121.4
140°	69.8	81.5	114.2	126.8	127.7
142.5°	70.7	80.6	109.6	126.8	129.6
145°	70.7	79.7	104.2	124.1	127.7
147.5°	71.6	78.8	97.8	119.6	125.0
150°	71.6	78.8	93.3	114.2	120.5
152.5°	71.6	77.9	89.7	106.0	113.2
155°	72.5	77.9	87.0	98.8	105.1
157.5°	72.5	77.0	84.3	93.3	97.8
160°	72.5	76.1	82.4	88.8	91.5
162.5°	73.4	75.2	80.6	85.2	87.0
165°	73.4	75.2	78.8	82.4	84.3
167.5°	73.4	74.3	77.9	80.6	81.5
170°	73.4	74.3	76.1	77.9	78.8
172.5°	73.4	74.3	74.3	76.1	77.0
175°	73.4	74.3	73.4	75.2	75.2
177.5°	73.4	73.4	73.4	73.4	73.4
180°	73.4	73.4	73.4	73.4	73.4

(END OF REPORT)