

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: P274858

Luminaire Tested: **J2-WL-20L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274858
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-20L82765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2039.0 lumens
Efficiency: N/A
Efficacy: 118.5 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

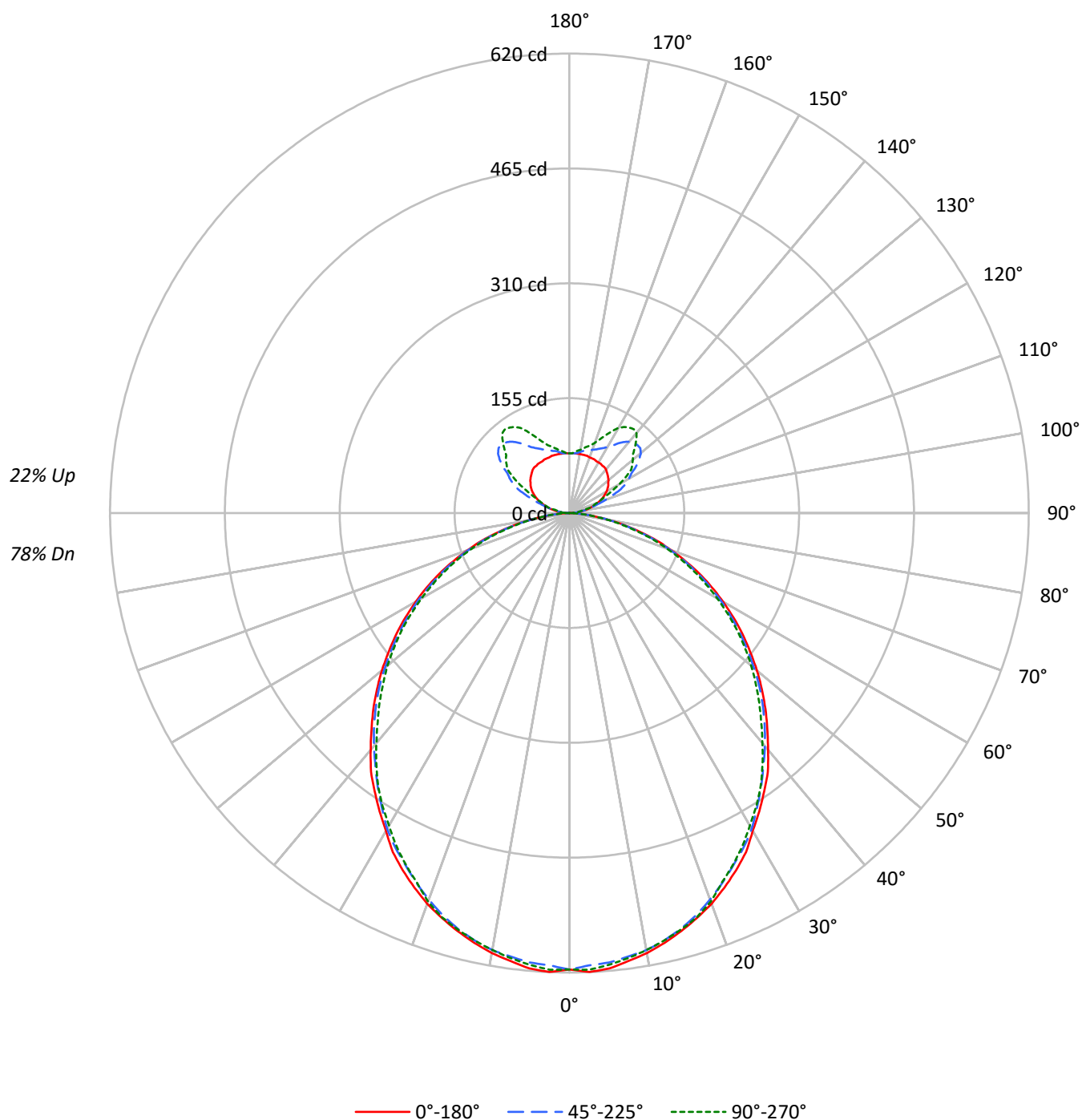
Input Watts (W): 17.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4971	4971	4971
5°	4998	4934	4958
10°	4941	4909	4909
15°	4879	4854	4863
20°	4819	4767	4793
25°	4738	4667	4659
30°	4614	4586	4540
35°	4515	4446	4436
40°	4397	4323	4270
45°	4272	4216	4136
50°	4148	4086	4024
55°	4017	3947	3890
60°	3867	3802	3722
65°	3698	3622	3545
70°	3439	3392	3297
75°	3113	3019	2926
80°	2552	2552	2413
85°	1667	1760	1760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	2.8
10°-20°	164.2	8.1
20°-30°	242.6	11.9
30°-40°	283.2	13.9
40°-50°	284.9	14.0
50°-60°	251.0	12.3
60°-70°	187.7	9.2
70°-80°	103.1	5.1
80°-90°	24.2	1.2
90°-100°	11.4	0.6
100°-110°	37.0	1.8
110°-120°	69.6	3.4
120°-130°	87.6	4.3
130°-140°	86.4	4.2
140°-150°	70.2	3.4
150°-160°	45.3	2.2
160°-170°	24.7	1.2
170°-180°	7.9	0.4
0°-30°	464.8	22.8
0°-40°	748.1	36.7
0°-60°	1283.9	63.0
0°-90°	1599.0	78.4
90°-120°	118.0	5.8
90°-150°	362.1	17.8
90°-180°	440.0	21.6
0°-180°	2039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	617	613	609	612	612	58
15°	584	584	581	583	582	165
25°	532	529	524	527	523	245
35°	458	457	451	450	450	287
45°	374	373	369	366	362	289
55°	285	285	280	276	276	255
65°	194	194	190	187	186	191
75°	100	99	97	96	94	106
85°	18	19	19	19	19	23
90°	0	0	0	0	0	2
95°	11	10	10	11	11	11
105°	31	49	32	32	30	33
115°	50	97	77	59	54	49
125°	64	101	110	102	102	57
135°	73	91	130	130	125	56
145°	78	88	115	137	141	49
155°	80	86	96	109	116	37
165°	81	83	87	91	93	23
175°	81	82	81	83	83	8
180°	81	81	81	81	81	



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CATALOG NUMBER: J2-WL-20L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	615.8	615.8	615.8	615.8	615.8
2.5°	619.8	615.8	610.8	614.8	616.8
5°	616.8	612.8	608.8	611.8	611.8
7.5°	609.8	608.8	603.8	607.8	605.8
10°	602.8	601.8	598.8	601.8	598.8
12.5°	593.8	592.8	590.8	594.8	590.8
15°	583.8	583.8	580.8	582.8	581.8
17.5°	572.8	572.8	568.9	570.9	571.9
20°	560.9	558.9	554.9	556.9	557.9
22.5°	546.9	544.9	539.9	541.9	538.9
25°	531.9	528.9	523.9	526.9	523.0
27.5°	516.0	511.0	509.0	510.0	506.0
30°	495.0	494.0	492.0	490.0	487.0
32.5°	477.0	476.0	471.1	469.1	469.1
35°	458.1	457.1	451.1	450.1	450.1
37.5°	440.1	437.1	430.1	429.1	428.1
40°	417.2	416.2	410.2	408.2	405.2
42.5°	395.2	394.2	390.2	387.2	383.2
45°	374.2	373.3	369.3	366.3	362.3
47.5°	352.3	353.3	348.3	343.3	341.3
50°	330.3	331.3	325.3	321.4	320.4
52.5°	307.4	308.4	302.4	298.4	298.4
55°	285.4	285.4	280.4	276.4	276.4
57.5°	262.5	262.5	257.5	254.5	253.5
60°	239.5	238.5	235.5	232.5	230.5
62.5°	216.6	216.6	212.6	209.6	207.6
65°	193.6	193.6	189.6	186.6	185.6
67.5°	169.7	170.7	166.7	163.7	162.7
70°	145.7	145.7	143.7	139.7	139.7
72.5°	123.8	121.8	120.8	117.8	117.8
75°	99.8	98.8	96.8	95.8	93.8
77.5°	76.8	76.8	74.8	73.9	72.9
80°	54.9	56.9	54.9	53.9	51.9
82.5°	34.9	36.9	35.9	33.9	33.9
85°	18.0	19.0	19.0	19.0	19.0
87.5°	6.0	7.0	8.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	6.0	6.0	8.0	8.0	8.0
95°	11.0	10.0	10.0	11.0	11.0
97.5°	16.0	16.0	13.0	13.0	13.0
100°	21.0	25.9	20.0	16.0	16.0
102.5°	25.9	36.9	25.9	22.0	20.0
105°	30.9	48.9	31.9	31.9	29.9
107.5°	35.9	58.9	40.9	32.9	33.9
110°	40.9	72.9	50.9	40.9	38.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	45.9	86.8	63.9	48.9	45.9
115°	49.9	96.8	76.8	58.9	53.9
117.5°	53.9	101.8	85.8	71.9	64.9
120°	57.9	103.8	92.8	83.8	77.8
122.5°	60.9	103.8	98.8	95.8	89.8
125°	63.9	100.8	109.8	101.8	101.8
127.5°	65.9	97.8	118.8	107.8	106.8
130°	68.9	94.8	125.7	110.8	111.8
132.5°	70.9	91.8	129.7	120.8	115.8
135°	72.9	90.8	129.7	129.7	124.7
137.5°	74.8	89.8	128.7	136.7	133.7
140°	76.8	89.8	125.7	139.7	140.7
142.5°	77.8	88.8	120.8	139.7	142.7
145°	77.8	87.8	114.8	136.7	140.7
147.5°	78.8	86.8	107.8	131.7	137.7
150°	78.8	86.8	102.8	125.7	132.7
152.5°	78.8	85.8	98.8	116.8	124.7
155°	79.8	85.8	95.8	108.8	115.8
157.5°	79.8	84.8	92.8	102.8	107.8
160°	79.8	83.8	90.8	97.8	100.8
162.5°	80.8	82.8	88.8	93.8	95.8
165°	80.8	82.8	86.8	90.8	92.8
167.5°	80.8	81.8	85.8	88.8	89.8
170°	80.8	81.8	83.8	85.8	86.8
172.5°	80.8	81.8	81.8	83.8	84.8
175°	80.8	81.8	80.8	82.8	82.8
177.5°	80.8	80.8	80.8	80.8	80.8
180°	80.8	80.8	80.8	80.8	80.8

(END OF REPORT)