

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: P274856

Luminaire Tested: **J2-WL-20L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274856
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1928.7 lumens
Efficiency: N/A
Efficacy: 114.1 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

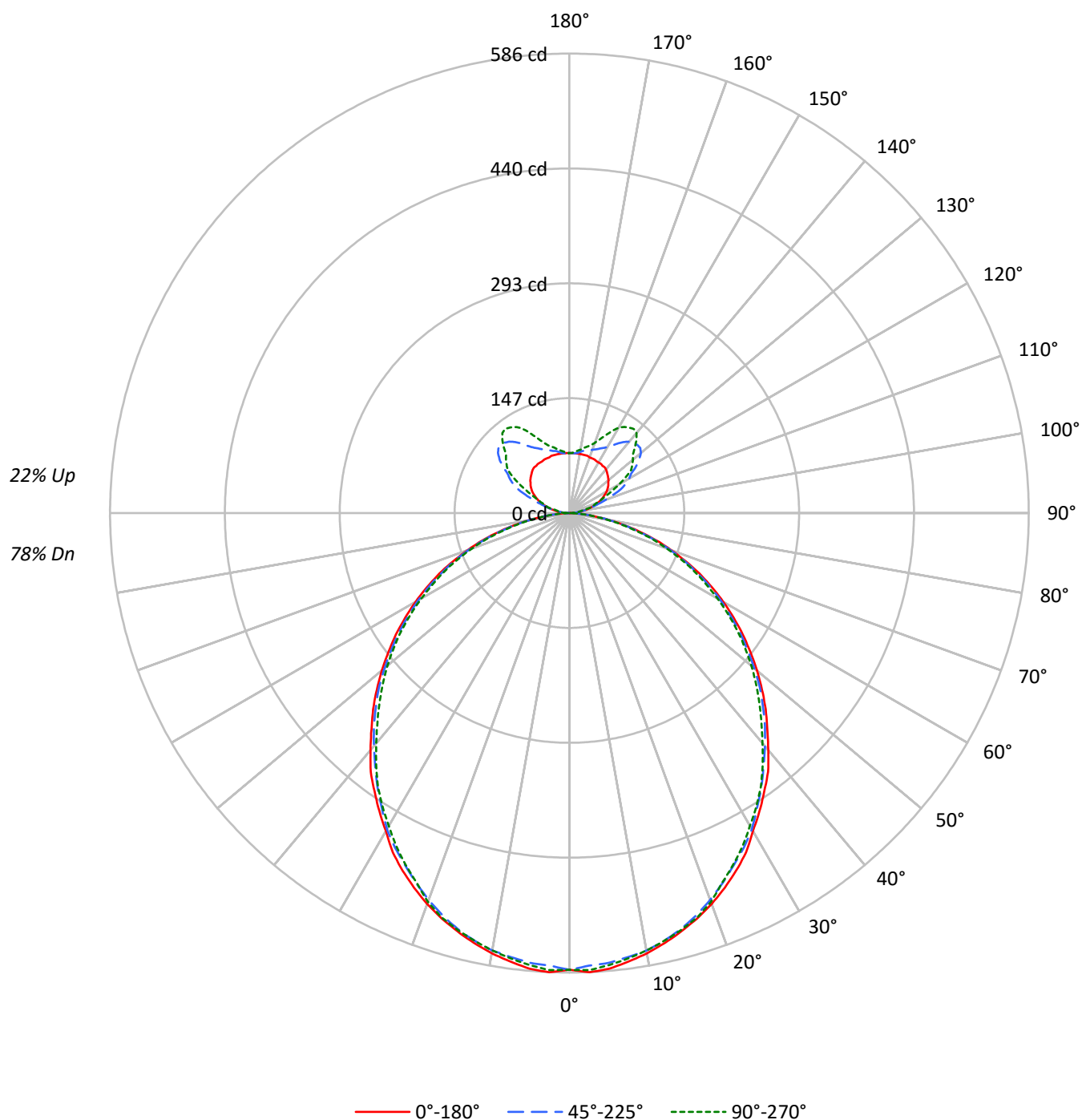
Input Watts (W): 16.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4702	4702	4702
5°	4728	4666	4690
10°	4674	4643	4643
15°	4615	4592	4600
20°	4558	4509	4533
25°	4482	4415	4407
30°	4364	4338	4295
35°	4270	4205	4195
40°	4158	4089	4039
45°	4042	3988	3913
50°	3925	3864	3805
55°	3800	3734	3681
60°	3659	3597	3521
65°	3498	3427	3354
70°	3253	3208	3120
75°	2944	2857	2767
80°	2413	2413	2283
85°	1575	1658	1658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	2.8
10°-20°	155.3	8.1
20°-30°	229.5	11.9
30°-40°	267.9	13.9
40°-50°	269.5	14.0
50°-60°	237.4	12.3
60°-70°	177.5	9.2
70°-80°	97.6	5.1
80°-90°	22.9	1.2
90°-100°	10.8	0.6
100°-110°	35.0	1.8
110°-120°	65.8	3.4
120°-130°	82.8	4.3
130°-140°	81.7	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°	439.7	22.8
0°-40°	707.6	36.7
0°-60°	1214.5	63.0
0°-90°	1512.4	78.4
90°-120°	111.6	5.8
90°-150°	342.6	17.8
90°-180°	416.0	21.6
0°-180°	1928.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	583	580	576	579	579	55
15°	552	552	549	551	550	156
25°	503	500	496	498	495	232
35°	433	432	427	426	426	271
45°	354	353	349	346	343	273
55°	270	270	265	262	262	241
65°	183	183	179	176	176	181
75°	94	94	92	91	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	109	129	133	46
155°	76	81	91	103	110	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	582.4	582.4	582.4	582.4	582.4
2.5°	586.2	582.4	577.7	581.5	583.4
5°	583.4	579.6	575.8	578.7	578.7
7.5°	576.8	575.8	571.1	574.9	573.0
10°	570.2	569.2	566.4	569.2	566.4
12.5°	561.7	560.7	558.8	562.6	558.8
15°	552.2	552.2	549.4	551.3	550.4
17.5°	541.9	541.9	538.1	540.0	540.9
20°	530.5	528.6	524.9	526.8	527.7
22.5°	517.3	515.4	510.7	512.6	509.8
25°	503.2	500.3	495.6	498.4	494.7
27.5°	488.0	483.3	481.4	482.4	478.6
30°	468.2	467.3	465.4	463.5	460.7
32.5°	451.2	450.3	445.6	443.7	443.7
35°	433.3	432.4	426.7	425.7	425.7
37.5°	416.3	413.5	406.9	405.9	405.0
40°	394.6	393.6	388.0	386.1	383.3
42.5°	373.8	372.9	369.1	366.3	362.5
45°	354.0	353.1	349.3	346.4	342.7
47.5°	333.2	334.2	329.5	324.7	322.8
50°	312.5	313.4	307.7	304.0	303.0
52.5°	290.8	291.7	286.0	282.3	282.3
55°	270.0	270.0	265.3	261.5	261.5
57.5°	248.3	248.3	243.6	240.7	239.8
60°	226.6	225.6	222.8	220.0	218.1
62.5°	204.8	204.8	201.1	198.2	196.4
65°	183.1	183.1	179.4	176.5	175.6
67.5°	160.5	161.4	157.6	154.8	153.9
70°	137.8	137.8	135.9	132.2	132.2
72.5°	117.1	115.2	114.2	111.4	111.4
75°	94.4	93.5	91.6	90.6	88.7
77.5°	72.7	72.7	70.8	69.9	68.9
80°	51.9	53.8	51.9	51.0	49.1
82.5°	33.0	34.9	34.0	32.1	32.1
85°	17.0	17.9	17.9	17.9	17.9
87.5°	5.7	6.6	7.6	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.7	5.7	7.6	7.6	7.6
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	20.8	18.9
105°	29.3	46.3	30.2	30.2	28.3
107.5°	34.0	55.7	38.7	31.2	32.1
110°	38.7	68.9	48.1	38.7	36.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	43.4	82.1	60.4	46.3	43.4
115°	47.2	91.6	72.7	55.7	51.0
117.5°	51.0	96.3	81.2	68.0	61.4
120°	54.8	98.2	87.8	79.3	73.6
122.5°	57.6	98.2	93.5	90.6	85.0
125°	60.4	95.3	103.8	96.3	96.3
127.5°	62.3	92.5	112.3	102.0	101.0
130°	65.1	89.7	118.9	104.8	105.7
132.5°	67.0	86.8	122.7	114.2	109.5
135°	68.9	85.9	122.7	122.7	118.0
137.5°	70.8	85.0	121.8	129.3	126.5
140°	72.7	85.0	118.9	132.2	133.1
142.5°	73.6	84.0	114.2	132.2	135.0
145°	73.6	83.1	108.6	129.3	133.1
147.5°	74.6	82.1	102.0	124.6	130.3
150°	74.6	82.1	97.2	118.9	125.6
152.5°	74.6	81.2	93.5	110.4	118.0
155°	75.5	81.2	90.6	102.9	109.5
157.5°	75.5	80.2	87.8	97.2	102.0
160°	75.5	79.3	85.9	92.5	95.3
162.5°	76.5	78.4	84.0	88.7	90.6
165°	76.5	78.4	82.1	85.9	87.8
167.5°	76.5	77.4	81.2	84.0	85.0
170°	76.5	77.4	79.3	81.2	82.1
172.5°	76.5	77.4	77.4	79.3	80.2
175°	76.5	77.4	76.5	78.4	78.4
177.5°	76.5	76.5	76.5	76.5	76.5
180°	76.5	76.5	76.5	76.5	76.5

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