

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: P274878

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274878
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1938.9 lumens
Efficiency: N/A
Efficacy: 108.9 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

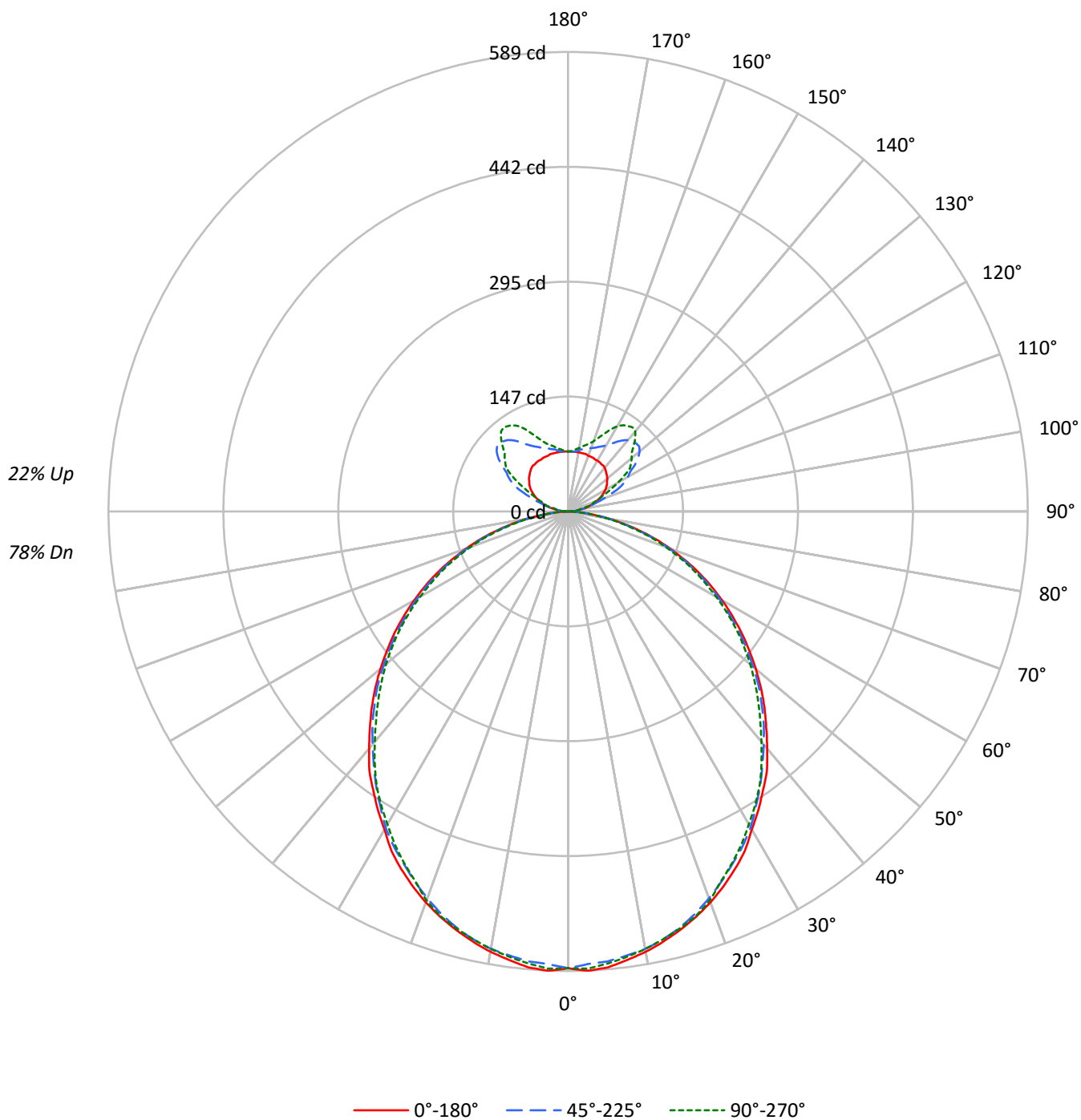
Input Watts (W): 17.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	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	78		
1	104	100	96	92	99	95	92	88	87	84	82	80	78	76	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	46	43	40		
5	73	61	52	46	69	58	50	45	54	47	42	50	44	40	46	41	37	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	41	37	33	31		
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	43	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22		
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4727	4727	4727
5°	4753	4691	4714
10°	4699	4668	4668
15°	4640	4616	4624
20°	4582	4533	4558
25°	4505	4438	4430
30°	4388	4362	4317
35°	4293	4227	4218
40°	4181	4110	4060
45°	4063	4008	3933
50°	3945	3886	3826
55°	3820	3754	3700
60°	3678	3617	3539
65°	3517	3444	3372
70°	3271	3227	3137
75°	2960	2873	2782
80°	2427	2427	2292
85°	1584	1667	1667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	2.8
10°-20°	156.1	8.1
20°-30°	230.7	11.9
30°-40°	269.3	13.9
40°-50°	270.9	14.0
50°-60°	238.7	12.3
60°-70°	178.4	9.2
70°-80°	98.1	5.1
80°-90°	23.0	1.2
90°-100°	10.8	0.6
100°-110°	35.2	1.8
110°-120°	66.2	3.4
120°-130°	83.3	4.3
130°-140°	82.2	4.2
140°-150°	66.8	3.4
150°-160°	43.0	2.2
160°-170°	23.5	1.2
170°-180°	7.5	0.4
0°-30°	442.0	22.8
0°-40°	711.3	36.7
0°-60°	1220.9	63.0
0°-90°	1520.4	78.4
90°-120°	112.2	5.8
90°-150°	344.4	17.8
90°-180°	418.0	21.6
0°-180°	1938.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	586	586	586	586	586	
5°	586	583	579	582	582	55
15°	555	555	552	554	553	157
25°	506	503	498	501	497	233
35°	436	435	429	428	428	273
45°	356	355	351	348	344	274
55°	271	271	267	263	263	242
65°	184	184	180	178	176	182
75°	95	94	92	91	89	100
85°	17	18	18	18	18	22
90°	0	0	0	0	0	2
95°	10	10	10	10	10	10
105°	29	46	30	30	28	31
115°	47	92	73	56	51	47
125°	61	96	104	97	97	54
135°	69	86	123	123	119	54
145°	74	84	109	130	134	47
155°	76	82	91	103	110	35
165°	77	79	83	86	88	22
175°	77	78	77	79	79	7
180°	77	77	77	77	77	



TEST NUMBER: P274878

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	585.5	585.5	585.5	585.5	585.5
2.5°	589.3	585.5	580.8	584.6	586.5
5°	586.5	582.7	578.9	581.7	581.7
7.5°	579.8	578.9	574.1	577.9	576.0
10°	573.2	572.2	569.4	572.2	569.4
12.5°	564.7	563.7	561.8	565.6	561.8
15°	555.2	555.2	552.3	554.2	553.3
17.5°	544.7	544.7	540.9	542.8	543.8
20°	533.3	531.4	527.6	529.5	530.5
22.5°	520.1	518.2	513.4	515.3	512.5
25°	505.8	503.0	498.2	501.1	497.3
27.5°	490.6	485.9	484.0	484.9	481.1
30°	470.7	469.8	467.9	466.0	463.1
32.5°	453.6	452.7	447.9	446.0	446.0
35°	435.6	434.6	428.9	428.0	428.0
37.5°	418.5	415.7	409.0	408.1	407.1
40°	396.7	395.7	390.0	388.1	385.3
42.5°	375.8	374.9	371.1	368.2	364.4
45°	355.9	354.9	351.1	348.3	344.5
47.5°	335.0	335.9	331.2	326.5	324.6
50°	314.1	315.1	309.4	305.6	304.6
52.5°	292.3	293.2	287.5	283.7	283.7
55°	271.4	271.4	266.7	262.9	262.9
57.5°	249.6	249.6	244.8	242.0	241.0
60°	227.8	226.8	224.0	221.1	219.2
62.5°	205.9	205.9	202.1	199.3	197.4
65°	184.1	184.1	180.3	177.5	176.5
67.5°	161.3	162.3	158.5	155.6	154.7
70°	138.6	138.6	136.7	132.9	132.9
72.5°	117.7	115.8	114.8	112.0	112.0
75°	94.9	94.0	92.1	91.1	89.2
77.5°	73.1	73.1	71.2	70.2	69.3
80°	52.2	54.1	52.2	51.2	49.3
82.5°	33.2	35.1	34.2	32.3	32.3
85°	17.1	18.0	18.0	18.0	18.0
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	9.5	9.5	10.4	10.4
97.5°	15.2	15.2	12.3	12.3	12.3
100°	19.9	24.7	19.0	15.2	15.2
102.5°	24.7	35.1	24.7	20.9	19.0
105°	29.4	46.5	30.4	30.4	28.5
107.5°	34.2	56.0	38.9	31.3	32.3
110°	38.9	69.3	48.4	38.9	37.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	43.7	82.6	60.7	46.5	43.7
115°	47.4	92.1	73.1	56.0	51.2
117.5°	51.2	96.8	81.6	68.3	61.7
120°	55.0	98.7	88.3	79.7	74.0
122.5°	57.9	98.7	94.0	91.1	85.4
125°	60.7	95.8	104.4	96.8	96.8
127.5°	62.6	93.0	112.9	102.5	101.5
130°	65.5	90.2	119.6	105.3	106.3
132.5°	67.4	87.3	123.4	114.8	110.1
135°	69.3	86.4	123.4	123.4	118.6
137.5°	71.2	85.4	122.4	130.0	127.2
140°	73.1	85.4	119.6	132.9	133.8
142.5°	74.0	84.5	114.8	132.9	135.7
145°	74.0	83.5	109.1	130.0	133.8
147.5°	75.0	82.6	102.5	125.3	131.0
150°	75.0	82.6	97.7	119.6	126.2
152.5°	75.0	81.6	94.0	111.0	118.6
155°	75.9	81.6	91.1	103.4	110.1
157.5°	75.9	80.7	88.3	97.7	102.5
160°	75.9	79.7	86.4	93.0	95.8
162.5°	76.9	78.8	84.5	89.2	91.1
165°	76.9	78.8	82.6	86.4	88.3
167.5°	76.9	77.8	81.6	84.5	85.4
170°	76.9	77.8	79.7	81.6	82.6
172.5°	76.9	77.8	77.8	79.7	80.7
175°	76.9	77.8	76.9	78.8	78.8
177.5°	76.9	76.9	76.9	76.9	76.9
180°	76.9	76.9	76.9	76.9	76.9

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