

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: P274872

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274872
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1665.1 lumens
Efficiency: N/A
Efficacy: 99.1 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

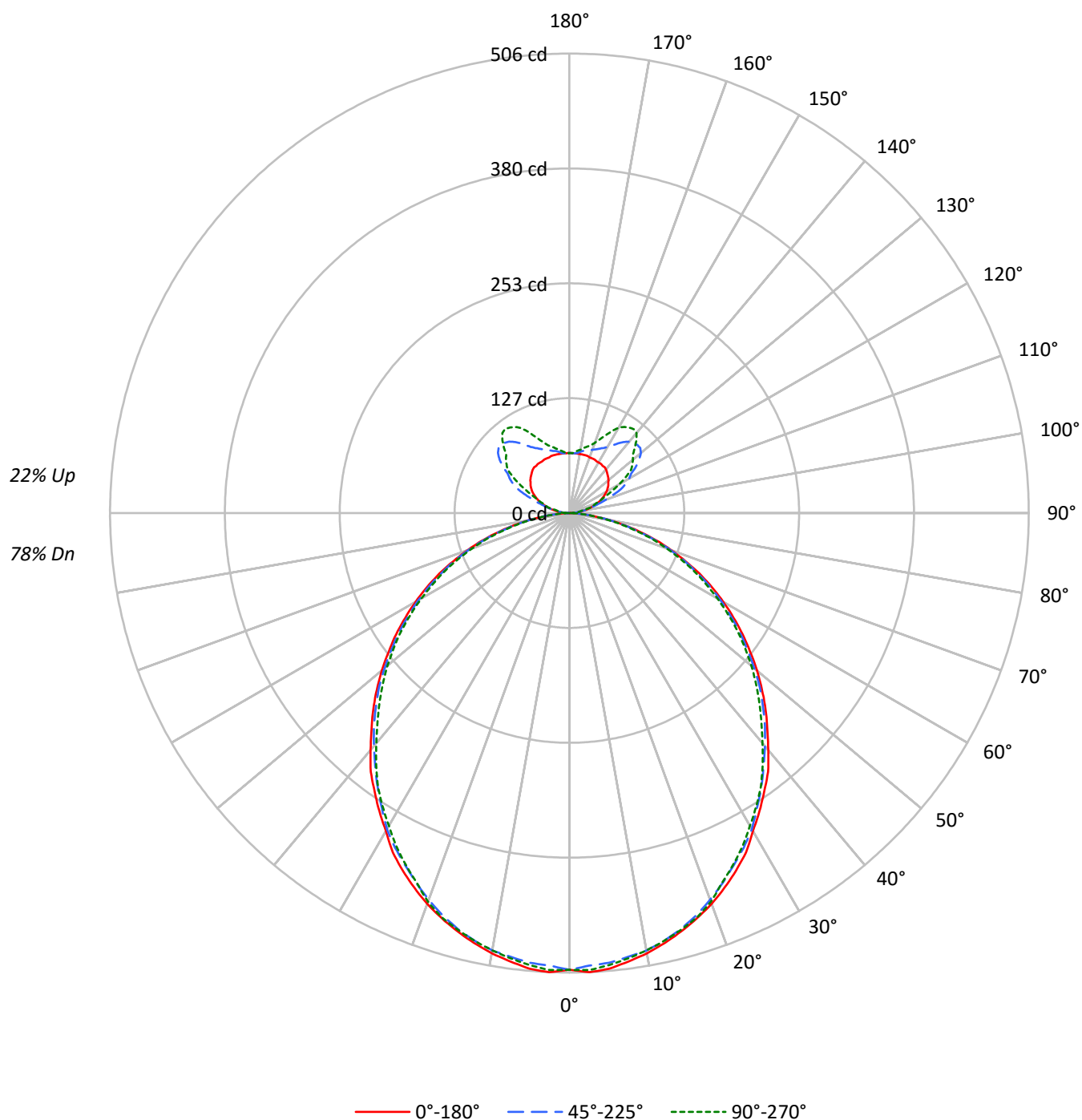
Input Watts (W): 16.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274872

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P274872

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-W-4 (3000K)

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°	4060	4060	4060
5°	4082	4028	4049
10°	4036	4009	4009
15°	3985	3964	3971
20°	3935	3893	3914
25°	3869	3812	3804
30°	3768	3746	3707
35°	3687	3631	3623
40°	3590	3530	3487
45°	3489	3442	3377
50°	3388	3337	3286
55°	3281	3223	3178
60°	3158	3105	3040
65°	3020	2957	2896
70°	2809	2771	2693
75°	2542	2467	2389
80°	2083	2083	1971
85°	1362	1436	1436



TEST NUMBER: P274872

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	2.8
10°-20°	134.1	8.1
20°-30°	198.1	11.9
30°-40°	231.3	13.9
40°-50°	232.6	14.0
50°-60°	205.0	12.3
60°-70°	153.2	9.2
70°-80°	84.2	5.1
80°-90°	19.8	1.2
90°-100°	9.3	0.6
100°-110°	30.2	1.8
110°-120°	56.8	3.4
120°-130°	71.5	4.3
130°-140°	70.5	4.2
140°-150°	57.4	3.4
150°-160°	37.0	2.2
160°-170°	20.2	1.2
170°-180°	6.4	0.4
0°-30°	379.6	22.8
0°-40°	610.9	36.7
0°-60°	1048.5	63.0
0°-90°	1305.7	78.4
90°-120°	96.3	5.8
90°-150°	295.7	17.8
90°-180°	359.0	21.6
0°-180°	1665.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	503	503	503	503	503	
5°	504	500	497	500	500	48
15°	477	477	474	476	475	134
25°	434	432	428	430	427	200
35°	374	373	368	368	368	234
45°	306	305	302	299	296	236
55°	233	233	229	226	226	208
65°	158	158	155	152	152	156
75°	82	81	79	78	77	86
85°	15	16	16	16	16	18
90°	0	0	0	0	0	1
95°	9	8	8	9	9	9
105°	25	40	26	26	24	27
115°	41	79	63	48	44	40
125°	52	82	90	83	83	46
135°	60	74	106	106	102	46
145°	64	72	94	112	115	40
155°	65	70	78	89	94	30
165°	66	68	71	74	76	19
175°	66	67	66	68	68	6
180°	66	66	66	66	66	



TEST NUMBER: P274872

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	502.9	502.9	502.9	502.9	502.9
2.5°	506.1	502.9	498.8	502.0	503.7
5°	503.7	500.4	497.1	499.6	499.6
7.5°	498.0	497.1	493.1	496.3	494.7
10°	492.3	491.4	489.0	491.4	489.0
12.5°	484.9	484.1	482.5	485.7	482.5
15°	476.8	476.8	474.3	476.0	475.1
17.5°	467.8	467.8	464.5	466.2	467.0
20°	458.0	456.4	453.1	454.8	455.6
22.5°	446.6	445.0	440.9	442.5	440.1
25°	434.4	431.9	427.9	430.3	427.1
27.5°	421.4	417.3	415.6	416.5	413.2
30°	404.2	403.4	401.8	400.2	397.7
32.5°	389.6	388.8	384.7	383.0	383.0
35°	374.1	373.3	368.4	367.6	367.6
37.5°	359.4	357.0	351.3	350.4	349.6
40°	340.7	339.9	335.0	333.3	330.9
42.5°	322.7	321.9	318.7	316.2	313.0
45°	305.6	304.8	301.5	299.1	295.8
47.5°	287.7	288.5	284.4	280.4	278.7
50°	269.8	270.6	265.7	262.4	261.6
52.5°	251.0	251.8	246.9	243.7	243.7
55°	233.1	233.1	229.0	225.8	225.8
57.5°	214.3	214.3	210.3	207.8	207.0
60°	195.6	194.8	192.3	189.9	188.3
62.5°	176.9	176.9	173.6	171.1	169.5
65°	158.1	158.1	154.8	152.4	151.6
67.5°	138.5	139.4	136.1	133.7	132.8
70°	119.0	119.0	117.4	114.1	114.1
72.5°	101.1	99.4	98.6	96.2	96.2
75°	81.5	80.7	79.1	78.2	76.6
77.5°	62.8	62.8	61.1	60.3	59.5
80°	44.8	46.5	44.8	44.0	42.4
82.5°	28.5	30.2	29.3	27.7	27.7
85°	14.7	15.5	15.5	15.5	15.5
87.5°	4.9	5.7	6.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.9	4.9	6.5	6.5	6.5
95°	9.0	8.1	8.1	9.0	9.0
97.5°	13.0	13.0	10.6	10.6	10.6
100°	17.1	21.2	16.3	13.0	13.0
102.5°	21.2	30.2	21.2	17.9	16.3
105°	25.3	39.9	26.1	26.1	24.4
107.5°	29.3	48.1	33.4	26.9	27.7
110°	33.4	59.5	41.6	33.4	31.8



TEST NUMBER: P274872

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.5	70.9	52.2	39.9	37.5
115°	40.7	79.1	62.8	48.1	44.0
117.5°	44.0	83.1	70.1	58.7	53.0
120°	47.3	84.8	75.8	68.5	63.6
122.5°	49.7	84.8	80.7	78.2	73.3
125°	52.2	82.3	89.6	83.1	83.1
127.5°	53.8	79.9	97.0	88.0	87.2
130°	56.2	77.4	102.7	90.5	91.3
132.5°	57.9	75.0	105.9	98.6	94.5
135°	59.5	74.2	105.9	105.9	101.9
137.5°	61.1	73.3	105.1	111.7	109.2
140°	62.8	73.3	102.7	114.1	114.9
142.5°	63.6	72.5	98.6	114.1	116.5
145°	63.6	71.7	93.7	111.7	114.9
147.5°	64.4	70.9	88.0	107.6	112.5
150°	64.4	70.9	83.9	102.7	108.4
152.5°	64.4	70.1	80.7	95.4	101.9
155°	65.2	70.1	78.2	88.8	94.5
157.5°	65.2	69.3	75.8	83.9	88.0
160°	65.2	68.5	74.2	79.9	82.3
162.5°	66.0	67.6	72.5	76.6	78.2
165°	66.0	67.6	70.9	74.2	75.8
167.5°	66.0	66.8	70.1	72.5	73.3
170°	66.0	66.8	68.5	70.1	70.9
172.5°	66.0	66.8	66.8	68.5	69.3
175°	66.0	66.8	66.0	67.6	67.6
177.5°	66.0	66.0	66.0	66.0	66.0
180°	66.0	66.0	66.0	66.0	66.0

(END OF REPORT)