

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: P274860

Luminaire Tested: **J2-WL-20L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274860
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2104.3 lumens
Efficiency: N/A
Efficacy: 120.9 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

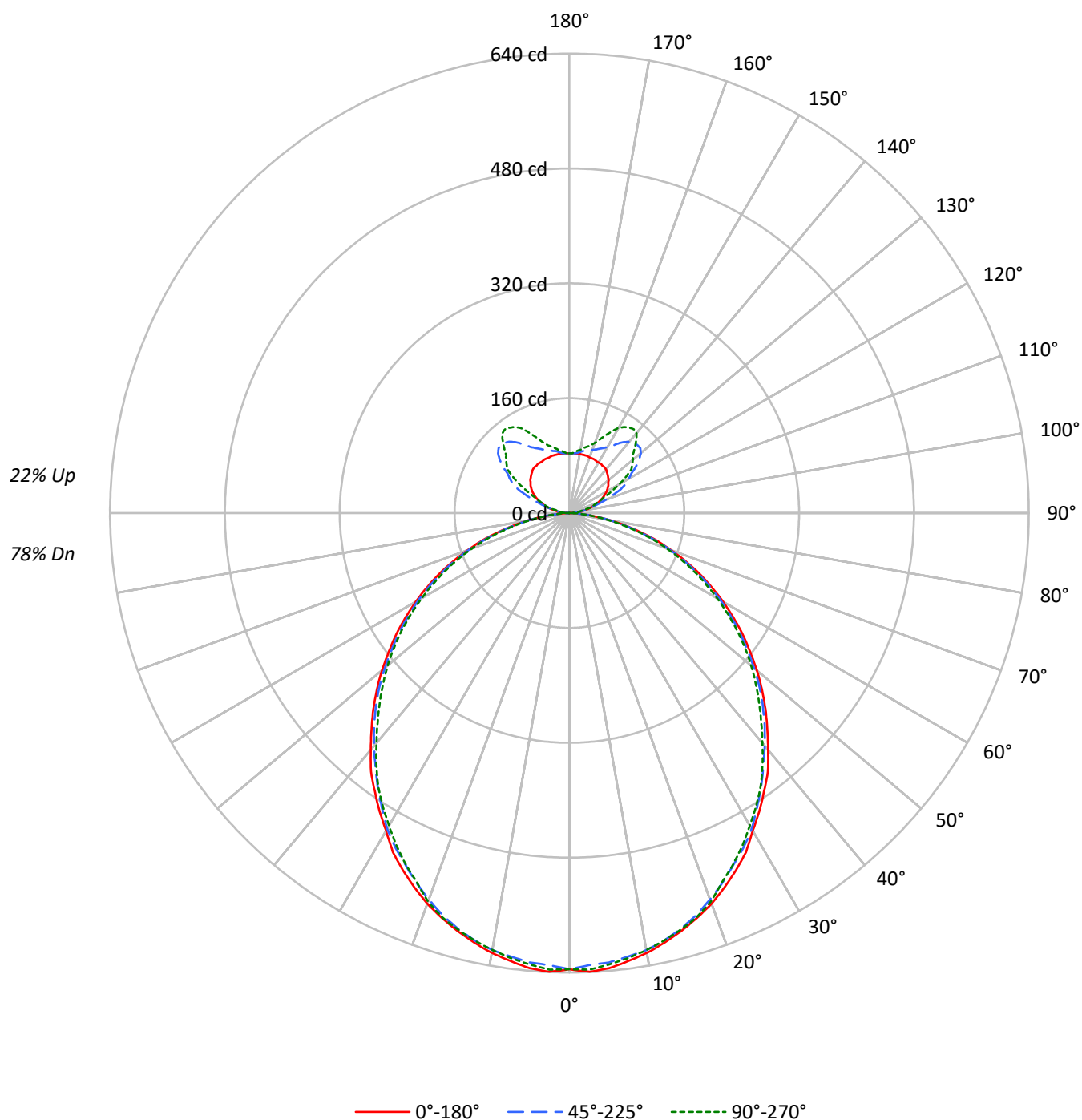
Input Watts (W): 17.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	5130	5130	5130
5°	5158	5092	5117
10°	5100	5066	5066
15°	5036	5010	5019
20°	4973	4920	4947
25°	4890	4816	4807
30°	4763	4734	4685
35°	4660	4589	4578
40°	4537	4461	4407
45°	4409	4351	4269
50°	4281	4217	4152
55°	4146	4073	4016
60°	3991	3925	3841
65°	3817	3738	3660
70°	3550	3500	3404
75°	3213	3116	3019
80°	2631	2631	2492
85°	1714	1815	1815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	2.8
10°-20°	169.5	8.1
20°-30°	250.4	11.9
30°-40°	292.3	13.9
40°-50°	294.0	14.0
50°-60°	259.1	12.3
60°-70°	193.7	9.2
70°-80°	106.4	5.1
80°-90°	25.0	1.2
90°-100°	11.8	0.6
100°-110°	38.2	1.8
110°-120°	71.8	3.4
120°-130°	90.4	4.3
130°-140°	89.2	4.2
140°-150°	72.5	3.4
150°-160°	46.7	2.2
160°-170°	25.5	1.2
170°-180°	8.1	0.4
0°-30°	479.7	22.8
0°-40°	772.0	36.7
0°-60°	1325.1	63.0
0°-90°	1650.2	78.4
90°-120°	121.7	5.8
90°-150°	373.8	17.8
90°-180°	454.0	21.6
0°-180°	2104.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	636	632	628	631	631	60
15°	602	602	600	602	600	170
25°	549	546	541	544	540	253
35°	473	472	466	464	464	296
45°	386	385	381	378	374	298
55°	295	295	289	285	285	263
65°	200	200	196	193	192	197
75°	103	102	100	99	97	109
85°	18	20	20	20	20	23
90°	0	0	0	0	0	2
95°	11	10	10	11	11	11
105°	32	50	33	33	31	34
115°	52	100	79	61	56	51
125°	66	104	113	105	105	59
135°	75	94	134	134	129	58
145°	80	91	118	141	145	51
155°	82	89	99	112	120	38
165°	83	86	90	94	96	24
175°	83	84	83	86	86	8
180°	83	83	83	83	83	



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CATALOG NUMBER: J2-WL-20L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.5	635.5	635.5	635.5	635.5
2.5°	639.6	635.5	630.4	634.5	636.5
5°	636.5	632.4	628.3	631.4	631.4
7.5°	629.3	628.3	623.1	627.3	625.2
10°	622.1	621.1	618.0	621.1	618.0
12.5°	612.8	611.8	609.8	613.9	609.8
15°	602.5	602.5	599.5	601.5	600.5
17.5°	591.2	591.2	587.1	589.2	590.2
20°	578.9	576.8	572.7	574.7	575.8
22.5°	564.4	562.4	557.2	559.3	556.2
25°	549.0	545.9	540.7	543.8	539.7
27.5°	532.5	527.4	525.3	526.3	522.2
30°	510.9	509.8	507.8	505.7	502.6
32.5°	492.3	491.3	486.2	484.1	484.1
35°	472.8	471.7	465.6	464.5	464.5
37.5°	454.2	451.1	443.9	442.9	441.9
40°	430.5	429.5	423.3	421.3	418.2
42.5°	407.9	406.8	402.7	399.6	395.5
45°	386.2	385.2	381.1	378.0	373.9
47.5°	363.6	364.6	359.5	354.3	352.3
50°	340.9	342.0	335.8	331.7	330.6
52.5°	317.2	318.3	312.1	308.0	308.0
55°	294.6	294.6	289.4	285.3	285.3
57.5°	270.9	270.9	265.7	262.6	261.6
60°	247.2	246.2	243.1	240.0	237.9
62.5°	223.5	223.5	219.4	216.3	214.2
65°	199.8	199.8	195.7	192.6	191.6
67.5°	175.1	176.1	172.0	168.9	167.9
70°	150.4	150.4	148.3	144.2	144.2
72.5°	127.7	125.7	124.6	121.5	121.5
75°	103.0	102.0	99.9	98.9	96.8
77.5°	79.3	79.3	77.2	76.2	75.2
80°	56.6	58.7	56.6	55.6	53.6
82.5°	36.0	38.1	37.1	35.0	35.0
85°	18.5	19.6	19.6	19.6	19.6
87.5°	6.2	7.2	8.2	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	6.2	6.2	8.2	8.2	8.2
95°	11.3	10.3	10.3	11.3	11.3
97.5°	16.5	16.5	13.4	13.4	13.4
100°	21.6	26.8	20.6	16.5	16.5
102.5°	26.8	38.1	26.8	22.7	20.6
105°	31.9	50.5	33.0	33.0	30.9
107.5°	37.1	60.8	42.2	34.0	35.0
110°	42.2	75.2	52.5	42.2	40.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	47.4	89.6	65.9	50.5	47.4
115°	51.5	99.9	79.3	60.8	55.6
117.5°	55.6	105.1	88.6	74.2	66.9
120°	59.7	107.1	95.8	86.5	80.3
122.5°	62.8	107.1	102.0	98.9	92.7
125°	65.9	104.0	113.3	105.1	105.1
127.5°	68.0	100.9	122.6	111.2	110.2
130°	71.1	97.8	129.8	114.3	115.4
132.5°	73.1	94.8	133.9	124.6	119.5
135°	75.2	93.7	133.9	133.9	128.7
137.5°	77.2	92.7	132.9	141.1	138.0
140°	79.3	92.7	129.8	144.2	145.2
142.5°	80.3	91.7	124.6	144.2	147.3
145°	80.3	90.6	118.4	141.1	145.2
147.5°	81.4	89.6	111.2	136.0	142.1
150°	81.4	89.6	106.1	129.8	137.0
152.5°	81.4	88.6	102.0	120.5	128.7
155°	82.4	88.6	98.9	112.3	119.5
157.5°	82.4	87.5	95.8	106.1	111.2
160°	82.4	86.5	93.7	100.9	104.0
162.5°	83.4	85.5	91.7	96.8	98.9
165°	83.4	85.5	89.6	93.7	95.8
167.5°	83.4	84.5	88.6	91.7	92.7
170°	83.4	84.5	86.5	88.6	89.6
172.5°	83.4	84.5	84.5	86.5	87.5
175°	83.4	84.5	83.4	85.5	85.5
177.5°	83.4	83.4	83.4	83.4	83.4
180°	83.4	83.4	83.4	83.4	83.4

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