

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: P274861

Luminaire Tested: **J2-WL-20L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-20L82765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2130.9 lumens
Efficiency: N/A
Efficacy: 121.8 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

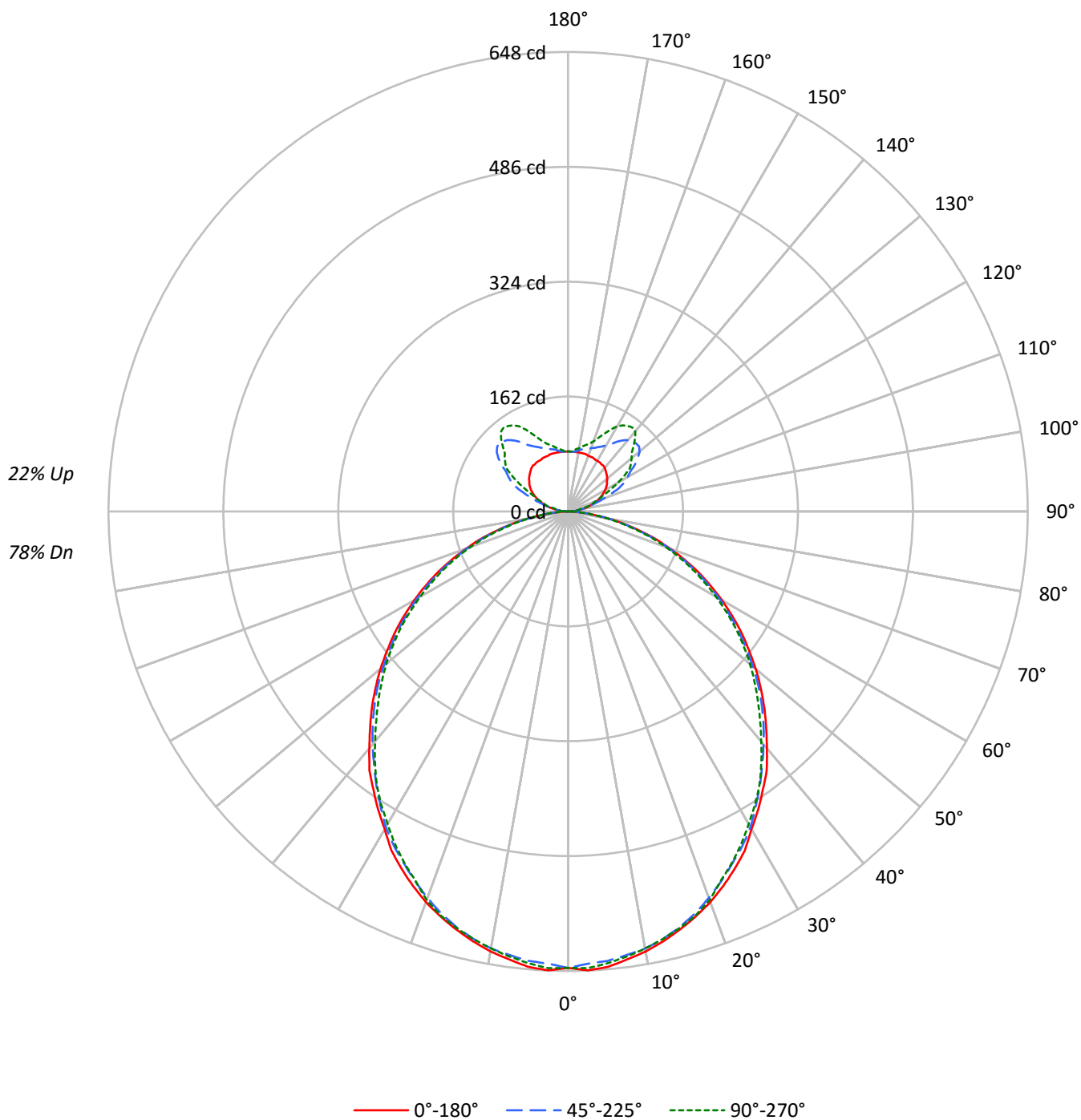
Input Watts (W): 17.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5195	5195	5195
5°	5224	5156	5182
10°	5164	5130	5130
15°	5100	5073	5082
20°	5036	4982	5009
25°	4952	4878	4868
30°	4822	4793	4745
35°	4718	4646	4636
40°	4595	4518	4463
45°	4465	4406	4322
50°	4335	4270	4205
55°	4198	4125	4066
60°	4041	3974	3890
65°	3864	3786	3706
70°	3595	3545	3446
75°	3253	3157	3057
80°	2669	2669	2520
85°	1741	1834	1834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	2.8
10°-20°	171.6	8.1
20°-30°	253.5	11.9
30°-40°	296.0	13.9
40°-50°	297.7	14.0
50°-60°	262.3	12.3
60°-70°	196.1	9.2
70°-80°	107.8	5.1
80°-90°	25.3	1.2
90°-100°	11.9	0.6
100°-110°	38.7	1.8
110°-120°	72.7	3.4
120°-130°	91.5	4.3
130°-140°	90.3	4.2
140°-150°	73.4	3.4
150°-160°	47.3	2.2
160°-170°	25.9	1.2
170°-180°	8.2	0.4
0°-30°	485.8	22.8
0°-40°	781.8	36.7
0°-60°	1341.8	63.0
0°-90°	1671.0	78.4
90°-120°	123.3	5.8
90°-150°	378.5	17.8
90°-180°	460.0	21.6
0°-180°	2130.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	645	640	636	639	639	61
15°	610	610	607	609	608	172
25°	556	553	548	551	546	256
35°	479	478	471	470	470	300
45°	391	390	386	383	379	302
55°	298	298	293	289	289	266
65°	202	202	198	195	194	200
75°	104	103	101	100	98	110
85°	19	20	20	20	20	24
90°	0	0	0	0	0	2
95°	12	10	10	12	12	12
105°	32	51	33	33	31	34
115°	52	101	80	62	56	52
125°	67	105	115	106	106	59
135°	76	95	136	136	130	59
145°	81	92	120	143	147	51
155°	83	90	100	114	121	38
165°	84	87	91	95	97	24
175°	84	86	84	87	87	8
180°	84	84	84	84	84	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	643.5	643.5	643.5	643.5	643.5
2.5°	647.7	643.5	638.3	642.5	644.6
5°	644.6	640.4	636.2	639.4	639.4
7.5°	637.3	636.2	631.0	635.2	633.1
10°	630.0	628.9	625.8	628.9	625.8
12.5°	620.6	619.5	617.5	621.6	617.5
15°	610.2	610.2	607.0	609.1	608.1
17.5°	598.7	598.7	594.5	596.6	597.6
20°	586.2	584.1	579.9	582.0	583.0
22.5°	571.6	569.5	564.3	566.3	563.2
25°	555.9	552.8	547.6	550.7	546.5
27.5°	539.2	534.0	531.9	533.0	528.8
30°	517.3	516.3	514.2	512.1	509.0
32.5°	498.6	497.5	492.3	490.2	490.2
35°	478.7	477.7	471.4	470.4	470.4
37.5°	460.0	456.8	449.5	448.5	447.4
40°	436.0	434.9	428.7	426.6	423.5
42.5°	413.0	412.0	407.8	404.7	400.5
45°	391.1	390.1	385.9	382.8	378.6
47.5°	368.2	369.2	364.0	358.8	356.7
50°	345.2	346.3	340.0	335.8	334.8
52.5°	321.2	322.3	316.0	311.9	311.9
55°	298.3	298.3	293.1	288.9	288.9
57.5°	274.3	274.3	269.1	266.0	264.9
60°	250.3	249.3	246.1	243.0	240.9
62.5°	226.3	226.3	222.2	219.0	216.9
65°	202.3	202.3	198.2	195.0	194.0
67.5°	177.3	178.4	174.2	171.1	170.0
70°	152.3	152.3	150.2	146.0	146.0
72.5°	129.3	127.2	126.2	123.1	123.1
75°	104.3	103.3	101.2	100.1	98.0
77.5°	80.3	80.3	78.2	77.2	76.1
80°	57.4	59.5	57.4	56.3	54.2
82.5°	36.5	38.6	37.5	35.5	35.5
85°	18.8	19.8	19.8	19.8	19.8
87.5°	6.3	7.3	8.3	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	6.3	6.3	8.3	8.3	8.3
95°	11.5	10.4	10.4	11.5	11.5
97.5°	16.7	16.7	13.6	13.6	13.6
100°	21.9	27.1	20.9	16.7	16.7
102.5°	27.1	38.6	27.1	22.9	20.9
105°	32.3	51.1	33.4	33.4	31.3
107.5°	37.5	61.5	42.8	34.4	35.5
110°	42.8	76.1	53.2	42.8	40.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	48.0	90.7	66.8	51.1	48.0
115°	52.1	101.2	80.3	61.5	56.3
117.5°	56.3	106.4	89.7	75.1	67.8
120°	60.5	108.5	97.0	87.6	81.4
122.5°	63.6	108.5	103.3	100.1	93.9
125°	66.8	105.3	114.7	106.4	106.4
127.5°	68.8	102.2	124.1	112.6	111.6
130°	72.0	99.1	131.4	115.8	116.8
132.5°	74.1	96.0	135.6	126.2	121.0
135°	76.1	94.9	135.6	135.6	130.4
137.5°	78.2	93.9	134.5	142.9	139.8
140°	80.3	93.9	131.4	146.0	147.1
142.5°	81.4	92.8	126.2	146.0	149.1
145°	81.4	91.8	119.9	142.9	147.1
147.5°	82.4	90.7	112.6	137.7	143.9
150°	82.4	90.7	107.4	131.4	138.7
152.5°	82.4	89.7	103.3	122.0	130.4
155°	83.4	89.7	100.1	113.7	121.0
157.5°	83.4	88.7	97.0	107.4	112.6
160°	83.4	87.6	94.9	102.2	105.3
162.5°	84.5	86.6	92.8	98.0	100.1
165°	84.5	86.6	90.7	94.9	97.0
167.5°	84.5	85.5	89.7	92.8	93.9
170°	84.5	85.5	87.6	89.7	90.7
172.5°	84.5	85.5	85.5	87.6	88.7
175°	84.5	85.5	84.5	86.6	86.6
177.5°	84.5	84.5	84.5	84.5	84.5
180°	84.5	84.5	84.5	84.5	84.5

(END OF REPORT)