

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: P274941

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-12)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L92765-1D-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, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3733.4 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

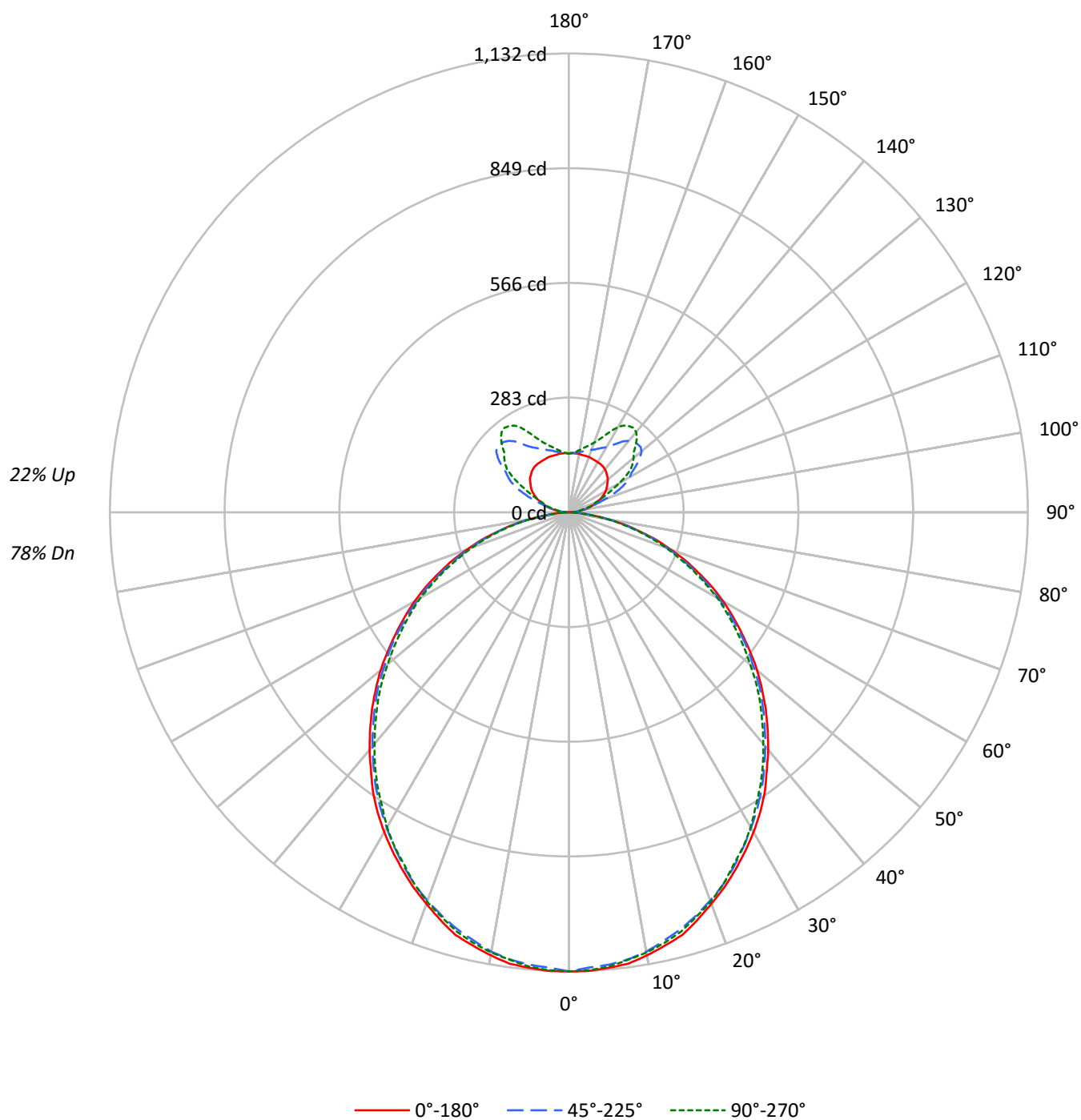
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	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	47	43	40		
5	73	61	52	46	69	58	51	45	54	47	42	50	44	40	46	41	38	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31		
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24	22		
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9143	9143	9143
5°	9139	9079	9117
10°	9098	9021	9037
15°	9024	8898	8945
20°	8831	8758	8782
25°	8660	8584	8551
30°	8491	8378	8360
35°	8299	8178	8113
40°	8060	7941	7861
45°	7838	7719	7622
50°	7615	7473	7331
55°	7326	7233	7061
60°	7095	6928	6836
65°	6737	6558	6413
70°	6276	6120	5988
75°	5590	5499	5443
80°	4472	4514	4384
85°	2881	2973	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	2.9
10°-20°	301.7	8.1
20°-30°	445.0	11.9
30°-40°	519.8	13.9
40°-50°	522.0	14.0
50°-60°	459.4	12.3
60°-70°	341.7	9.2
70°-80°	187.3	5.0
80°-90°	42.6	1.1
90°-100°	21.5	0.6
100°-110°	68.1	1.8
110°-120°	128.3	3.4
120°-130°	161.4	4.3
130°-140°	158.9	4.3
140°-150°	128.1	3.4
150°-160°	82.0	2.2
160°-170°	44.8	1.2
170°-180°	14.2	0.4
0°-30°	853.5	22.9
0°-40°	1373.3	36.8
0°-60°	2354.7	63.1
0°-90°	2926.3	78.4
90°-120°	217.8	5.8
90°-150°	666.2	17.8
90°-180°	807.0	21.6
0°-180°	3733.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1128	1125	1120	1125	1125	107
15°	1080	1073	1065	1074	1070	303
25°	972	970	964	963	960	448
35°	842	837	830	827	823	526
45°	686	685	676	669	668	529
55°	520	522	514	506	502	467
65°	353	353	343	340	336	350
75°	179	179	176	174	174	191
85°	31	32	32	34	33	40
90°	1	3	4	5	4	3
95°	20	19	19	21	21	20
105°	57	90	58	58	53	60
115°	90	180	142	108	100	89
125°	115	185	204	189	187	103
135°	132	165	239	241	233	102
145°	142	159	208	250	259	89
155°	143	155	174	198	208	66
165°	145	150	158	165	168	41
175°	146	146	147	148	148	14
180°	145	145	145	145	145	



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CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1132.5	1132.5	1132.5	1132.5	1132.5
2.5°	1132.5	1130.7	1124.1	1129.7	1130.7
5°	1127.8	1125.0	1120.3	1125.0	1125.0
7.5°	1123.1	1118.4	1112.7	1115.6	1113.7
10°	1109.9	1108.0	1100.5	1104.3	1102.4
12.5°	1094.8	1092.0	1082.6	1090.1	1088.2
15°	1079.7	1073.1	1064.6	1074.1	1070.3
17.5°	1054.3	1052.4	1043.0	1051.4	1045.8
20°	1027.9	1026.9	1019.4	1023.2	1022.2
22.5°	1001.5	998.6	993.9	994.9	993.9
25°	972.2	970.3	963.7	962.8	960.0
27.5°	942.1	941.1	931.7	931.7	930.7
30°	910.9	908.1	898.7	898.7	896.8
32.5°	877.9	873.2	864.7	862.8	858.1
35°	842.1	837.4	829.8	827.0	823.2
37.5°	801.6	800.6	791.2	788.3	785.5
40°	764.8	761.9	753.5	750.6	745.9
42.5°	725.2	725.2	714.8	708.2	706.3
45°	686.5	684.6	676.1	668.6	667.6
47.5°	646.0	645.0	638.4	627.1	627.1
50°	606.3	604.5	595.0	587.5	583.7
52.5°	563.0	565.8	556.4	547.9	543.2
55°	520.5	522.4	513.9	506.4	501.7
57.5°	480.0	480.9	471.5	465.8	462.1
60°	439.4	438.5	429.1	424.4	423.4
62.5°	397.0	395.1	387.6	382.9	378.1
65°	352.7	352.7	343.3	339.5	335.7
67.5°	311.2	308.4	301.8	298.0	293.3
70°	265.9	265.0	259.3	256.5	253.7
72.5°	225.4	222.5	219.7	215.9	213.1
75°	179.2	179.2	176.3	173.5	174.5
77.5°	139.6	138.6	135.8	133.9	133.9
80°	96.2	98.1	97.1	96.2	94.3
82.5°	62.2	63.2	60.4	60.4	61.3
85°	31.1	32.1	32.1	33.9	33.0
87.5°	10.4	11.3	13.2	14.1	14.1
90°	0.9	2.8	3.8	4.7	3.8
92.5°	10.4	11.3	14.1	14.1	14.1
95°	19.8	18.9	18.9	20.7	20.7
97.5°	29.2	30.2	23.6	24.5	24.5
100°	38.7	47.2	35.8	29.2	29.2
102.5°	48.1	68.8	47.2	41.5	37.7
105°	56.6	90.5	58.5	58.5	52.8
107.5°	65.1	110.3	73.6	61.3	61.3
110°	73.6	136.7	95.2	73.6	69.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	83.0	162.2	118.8	88.6	83.0
115°	90.5	180.1	141.5	108.4	100.0
117.5°	98.1	187.7	159.4	131.1	119.8
120°	104.7	190.5	172.6	154.7	143.3
122.5°	110.3	189.5	183.9	176.3	166.9
125°	115.0	184.8	203.7	188.6	186.7
127.5°	119.8	178.2	220.7	199.0	198.0
130°	125.4	171.6	233.9	206.5	208.4
132.5°	129.2	166.9	239.5	224.4	215.9
135°	132.0	165.0	238.6	241.4	232.9
137.5°	135.8	163.1	235.8	251.8	248.0
140°	138.6	163.1	230.1	256.5	258.4
142.5°	140.5	161.3	220.7	255.6	262.2
145°	141.5	159.4	207.5	249.9	259.3
147.5°	142.4	158.4	195.2	241.4	253.7
150°	142.4	156.5	185.8	228.2	243.3
152.5°	143.3	155.6	179.2	212.2	226.3
155°	143.3	154.7	173.5	198.0	208.4
157.5°	144.3	152.8	167.9	186.7	194.3
160°	145.2	151.8	164.1	177.3	182.9
162.5°	145.2	150.9	160.3	170.7	174.5
165°	145.2	149.9	157.5	165.0	167.9
167.5°	145.2	149.0	153.7	160.3	162.2
170°	146.2	148.1	150.9	155.6	156.5
172.5°	146.2	147.1	149.0	151.8	151.8
175°	146.2	146.2	147.1	148.1	148.1
177.5°	146.2	146.2	146.2	146.2	146.2
180°	145.2	145.2	145.2	145.2	145.2

(END OF REPORT)