

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: P274973

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-13)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-50L92765-1D-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: 4723.9 lumens
Efficiency: N/A
Efficacy: 90.5 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

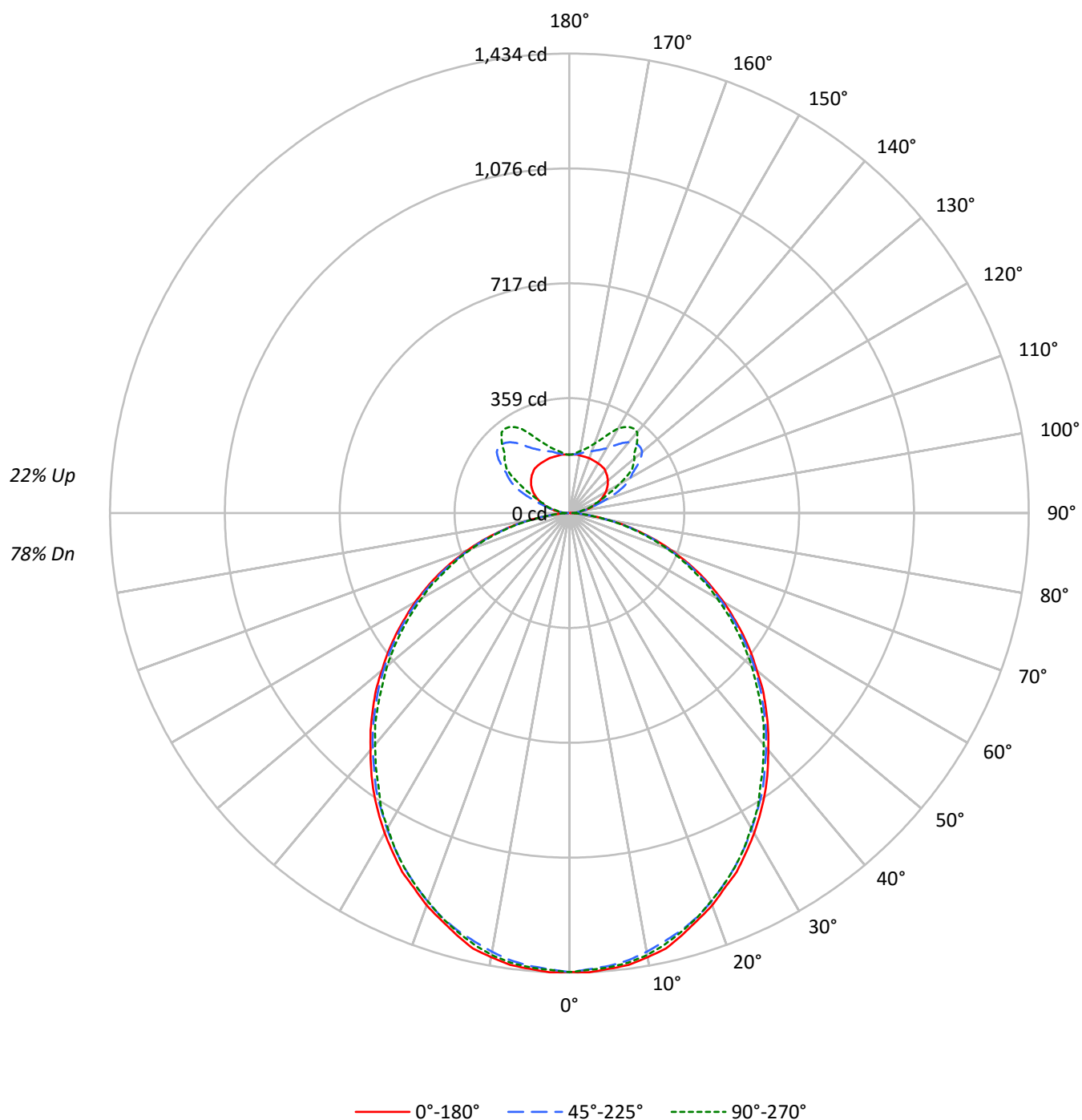
Input Watts (W): 52.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	68	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°	11564	11564	11564
5°	11570	11494	11532
10°	11534	11395	11480
15°	11388	11270	11302
20°	11196	11099	11082
25°	11003	10869	10869
30°	10751	10610	10575
35°	10492	10372	10242
40°	10176	10067	9938
45°	9905	9775	9636
50°	9593	9486	9320
55°	9303	9158	8973
60°	8984	8830	8588
65°	8575	8394	8124
70°	7947	7768	7633
75°	7090	6999	6794
80°	5788	5742	5481
85°	3492	3751	3844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	2.9
10°-20°	381.8	8.1
20°-30°	563.7	11.9
30°-40°	658.2	13.9
40°-50°	661.3	14.0
50°-60°	582.1	12.3
60°-70°	433.3	9.2
70°-80°	237.3	5.0
80°-90°	54.1	1.1
90°-100°	27.1	0.6
100°-110°	85.7	1.8
110°-120°	161.9	3.4
120°-130°	204.1	4.3
130°-140°	200.5	4.2
140°-150°	161.1	3.4
150°-160°	102.8	2.2
160°-170°	56.2	1.2
170°-180°	17.8	0.4
0°-30°	1080.5	22.9
0°-40°	1738.7	36.8
0°-60°	2982.0	63.1
0°-90°	3706.7	78.5
90°-120°	274.7	5.8
90°-150°	840.4	17.8
90°-180°	1017.0	21.5
0°-180°	4723.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1432	1432	1432	1432	1432	
5°	1428	1427	1418	1424	1423	136
15°	1363	1357	1348	1355	1352	384
25°	1235	1227	1220	1221	1220	568
35°	1065	1061	1052	1044	1039	665
45°	868	866	856	849	844	670
55°	661	662	651	641	638	591
65°	449	445	439	429	425	443
75°	227	227	224	222	218	242
85°	38	42	40	42	42	50
90°	2	4	5	6	6	4
95°	26	24	24	26	26	25
105°	72	114	73	73	67	75
115°	113	227	179	138	124	112
125°	145	231	258	239	239	129
135°	166	208	302	305	296	128
145°	177	200	261	316	327	111
155°	180	193	217	248	262	83
165°	182	188	198	206	209	52
175°	183	184	184	186	186	17
180°	182	182	182	182	182	



TEST NUMBER: P274973

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1432.4	1432.4	1432.4	1432.4	1432.4
2.5°	1434.3	1433.4	1424.9	1431.5	1426.8
5°	1427.7	1426.8	1418.3	1423.9	1423.0
7.5°	1422.0	1414.5	1407.9	1412.6	1414.5
10°	1407.0	1397.5	1390.0	1400.4	1400.4
12.5°	1391.9	1379.6	1369.2	1382.4	1378.7
15°	1362.6	1357.0	1348.5	1355.1	1352.3
17.5°	1331.5	1331.5	1323.0	1326.8	1324.0
20°	1303.2	1301.3	1291.9	1295.7	1290.0
22.5°	1266.5	1266.5	1256.1	1258.9	1257.0
25°	1235.3	1226.8	1220.2	1221.2	1220.2
27.5°	1193.8	1189.1	1180.6	1182.5	1179.7
30°	1153.3	1146.7	1138.2	1141.0	1134.4
32.5°	1109.9	1105.2	1094.8	1093.9	1092.9
35°	1064.6	1060.9	1052.4	1043.9	1039.2
37.5°	1016.6	1015.6	1001.5	997.7	993.0
40°	965.6	966.6	955.3	948.7	943.0
42.5°	918.5	914.7	907.2	898.7	897.7
45°	867.6	865.7	856.2	848.7	844.0
47.5°	819.5	816.6	807.2	798.7	791.2
50°	763.8	765.7	755.3	745.9	742.1
52.5°	713.9	715.7	704.4	694.0	690.3
55°	661.0	662.0	650.7	641.2	637.5
57.5°	607.3	608.2	598.8	590.3	585.6
60°	556.4	553.5	546.9	536.6	531.9
62.5°	501.7	501.7	492.2	483.8	483.8
65°	448.9	445.1	439.4	429.1	425.3
67.5°	393.2	390.4	383.8	376.3	377.2
70°	336.7	334.8	329.1	324.4	323.4
72.5°	284.8	281.0	277.2	272.5	270.6
75°	227.3	227.3	224.4	221.6	217.8
77.5°	177.3	175.4	173.5	170.7	168.8
80°	124.5	124.5	123.5	120.7	117.9
82.5°	78.3	80.2	78.3	77.3	77.3
85°	37.7	42.4	40.5	41.5	41.5
87.5°	12.3	14.1	17.0	17.9	17.9
90°	1.9	3.8	4.7	5.7	5.7
92.5°	13.2	14.1	17.9	17.9	18.9
95°	25.5	23.6	23.6	25.5	26.4
97.5°	36.8	37.7	30.2	30.2	31.1
100°	48.1	59.4	46.2	37.7	36.8
102.5°	59.4	86.8	59.4	51.9	47.2
105°	71.7	114.1	72.6	72.6	67.0
107.5°	82.0	139.6	93.4	76.4	77.3
110°	93.4	172.6	118.8	93.4	87.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	103.7	204.6	149.9	112.2	104.7
115°	113.2	227.3	179.2	137.7	123.5
117.5°	121.6	237.6	201.8	166.0	149.9
120°	131.1	241.4	219.7	195.2	179.2
122.5°	137.7	238.6	233.9	223.5	211.2
125°	145.2	231.0	258.4	238.6	238.6
127.5°	150.9	222.5	280.1	253.7	251.8
130°	156.5	215.0	296.1	263.1	265.0
132.5°	161.3	210.3	301.8	284.8	272.5
135°	166.0	207.5	301.8	304.6	296.1
137.5°	169.7	205.6	297.0	318.7	314.0
140°	173.5	203.7	288.6	323.4	329.1
142.5°	176.3	201.8	276.3	322.5	331.9
145°	177.3	199.9	261.2	315.9	327.2
147.5°	178.2	198.0	246.1	304.6	317.8
150°	179.2	197.1	233.9	286.7	304.6
152.5°	179.2	195.2	224.4	265.0	284.8
155°	180.1	193.3	216.9	248.0	262.2
157.5°	181.1	191.4	211.2	233.9	245.2
160°	182.0	189.5	205.6	223.5	231.0
162.5°	182.0	188.6	201.8	214.1	218.8
165°	182.0	187.7	198.0	206.5	209.3
167.5°	182.0	186.7	192.4	199.9	202.7
170°	182.9	185.8	188.6	194.3	197.1
172.5°	183.9	184.8	185.8	189.5	191.4
175°	182.9	183.9	183.9	185.8	185.8
177.5°	182.9	182.9	182.9	183.9	182.9
180°	182.0	182.0	182.0	182.0	182.0

(END OF REPORT)