

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: P274967

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-50L92765-1D-UNV-W2A-W-4 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3927.4 lumens
Efficiency: N/A
Efficacy: 77.6 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

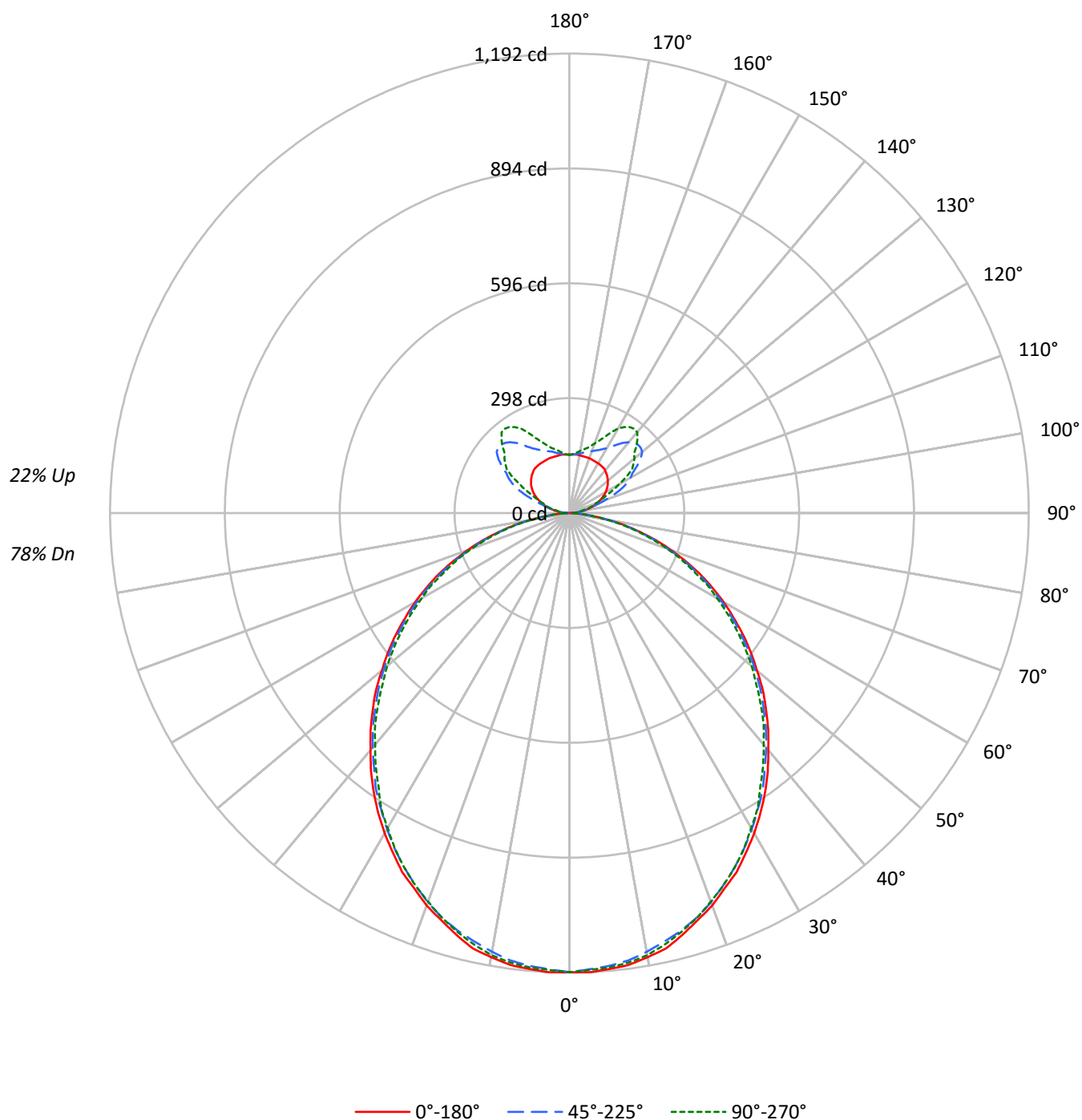
Input Watts (W): 50.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	89	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	68	62	57	62	57	53	57	53	50
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	47	43
5	73	61	52	46	69	58	51	45	54	47	42	50	44	40	46	41	38
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9614	9614	9614
5°	9619	9555	9588
10°	9589	9473	9544
15°	9468	9370	9397
20°	9308	9228	9214
25°	9148	9037	9037
30°	8938	8821	8792
35°	8723	8622	8515
40°	8460	8370	8262
45°	8235	8128	8011
50°	7975	7887	7749
55°	7735	7614	7460
60°	7469	7342	7140
65°	7129	6978	6755
70°	6607	6458	6347
75°	5892	5820	5649
80°	4812	4775	4556
85°	2908	3122	3196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	2.9
10°-20°	317.4	8.1
20°-30°	468.6	11.9
30°-40°	547.2	13.9
40°-50°	549.8	14.0
50°-60°	484.0	12.3
60°-70°	360.2	9.2
70°-80°	197.3	5.0
80°-90°	45.0	1.1
90°-100°	22.6	0.6
100°-110°	71.2	1.8
110°-120°	134.6	3.4
120°-130°	169.7	4.3
130°-140°	166.7	4.2
140°-150°	133.9	3.4
150°-160°	85.5	2.2
160°-170°	46.7	1.2
170°-180°	14.8	0.4
0°-30°	898.3	22.9
0°-40°	1445.5	36.8
0°-60°	2479.2	63.1
0°-90°	3081.7	78.5
90°-120°	228.4	5.8
90°-150°	698.7	17.8
90°-180°	846.0	21.5
0°-180°	3927.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1191	1191	1191	1191	1191	
5°	1187	1186	1179	1184	1183	113
15°	1133	1128	1121	1127	1124	319
25°	1027	1020	1014	1015	1014	472
35°	885	882	875	868	864	553
45°	721	720	712	706	702	557
55°	550	550	541	533	530	491
65°	373	370	365	357	354	368
75°	189	189	187	184	181	202
85°	31	35	34	34	34	42
90°	2	3	4	5	5	3
95°	21	20	20	21	22	21
105°	60	95	60	60	56	62
115°	94	189	149	114	103	93
125°	121	192	215	198	198	108
135°	138	172	251	253	246	106
145°	147	166	217	263	272	92
155°	150	161	180	206	218	69
165°	151	156	165	172	174	43
175°	152	153	153	154	154	15
180°	151	151	151	151	151	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1190.9	1190.9	1190.9	1190.9	1190.9
2.5°	1192.5	1191.7	1184.6	1190.1	1186.2
5°	1187.0	1186.2	1179.1	1183.8	1183.1
7.5°	1182.3	1176.0	1170.5	1174.4	1176.0
10°	1169.7	1161.9	1155.6	1164.2	1164.2
12.5°	1157.2	1147.0	1138.4	1149.3	1146.2
15°	1132.9	1128.2	1121.1	1126.6	1124.3
17.5°	1107.0	1107.0	1100.0	1103.1	1100.7
20°	1083.5	1081.9	1074.1	1077.2	1072.5
22.5°	1052.9	1052.9	1044.3	1046.6	1045.1
25°	1027.0	1020.0	1014.5	1015.3	1014.5
27.5°	992.5	988.6	981.6	983.1	980.8
30°	958.8	953.3	946.3	948.6	943.2
32.5°	922.8	918.8	910.2	909.4	908.7
35°	885.1	882.0	874.9	867.9	864.0
37.5°	845.2	844.4	832.6	829.5	825.6
40°	802.8	803.6	794.2	788.7	784.0
42.5°	763.6	760.5	754.2	747.2	746.4
45°	721.3	719.7	711.9	705.6	701.7
47.5°	681.3	678.9	671.1	664.0	657.8
50°	635.0	636.6	628.0	620.1	617.0
52.5°	593.5	595.1	585.6	577.0	573.9
55°	549.6	550.4	541.0	533.1	530.0
57.5°	504.9	505.7	497.8	490.8	486.9
60°	462.6	460.2	454.7	446.1	442.2
62.5°	417.1	417.1	409.2	402.2	402.2
65°	373.2	370.0	365.3	356.7	353.6
67.5°	326.9	324.6	319.1	312.8	313.6
70°	279.9	278.3	273.6	269.7	268.9
72.5°	236.8	233.6	230.5	226.6	225.0
75°	188.9	188.9	186.6	184.2	181.1
77.5°	147.4	145.8	144.3	141.9	140.3
80°	103.5	103.5	102.7	100.4	98.0
82.5°	65.1	66.6	65.1	64.3	64.3
85°	31.4	35.3	33.7	34.5	34.5
87.5°	10.2	11.8	14.1	14.9	14.9
90°	1.6	3.1	3.9	4.7	4.7
92.5°	11.0	11.8	14.9	14.9	15.7
95°	21.2	19.6	19.6	21.2	22.0
97.5°	30.6	31.4	25.1	25.1	25.9
100°	40.0	49.4	38.4	31.4	30.6
102.5°	49.4	72.1	49.4	43.1	39.2
105°	59.6	94.9	60.4	60.4	55.7
107.5°	68.2	116.0	77.6	63.5	64.3
110°	77.6	143.5	98.8	77.6	72.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	86.2	170.1	124.7	93.3	87.0
115°	94.1	188.9	149.0	114.5	102.7
117.5°	101.1	197.6	167.8	138.0	124.7
120°	109.0	200.7	182.7	162.3	149.0
122.5°	114.5	198.4	194.4	185.8	175.6
125°	120.7	192.1	214.8	198.4	198.4
127.5°	125.4	185.0	232.8	210.9	209.3
130°	130.1	178.8	246.2	218.7	220.3
132.5°	134.1	174.8	250.9	236.8	226.6
135°	138.0	172.5	250.9	253.2	246.2
137.5°	141.1	170.9	247.0	265.0	261.1
140°	144.3	169.3	239.9	268.9	273.6
142.5°	146.6	167.8	229.7	268.1	276.0
145°	147.4	166.2	217.2	262.6	272.0
147.5°	148.2	164.6	204.6	253.2	264.2
150°	149.0	163.9	194.4	238.3	253.2
152.5°	149.0	162.3	186.6	220.3	236.8
155°	149.7	160.7	180.3	206.2	218.0
157.5°	150.5	159.2	175.6	194.4	203.8
160°	151.3	157.6	170.9	185.8	192.1
162.5°	151.3	156.8	167.8	178.0	181.9
165°	151.3	156.0	164.6	171.7	174.0
167.5°	151.3	155.2	159.9	166.2	168.6
170°	152.1	154.4	156.8	161.5	163.9
172.5°	152.9	153.7	154.4	157.6	159.2
175°	152.1	152.9	152.9	154.4	154.4
177.5°	152.1	152.1	152.1	152.9	152.1
180°	151.3	151.3	151.3	151.3	151.3

(END OF REPORT)