

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: P274925

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274925
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-40L82765-1D-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: 4129.3 lumens
Efficiency: N/A
Efficacy: 109.5 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

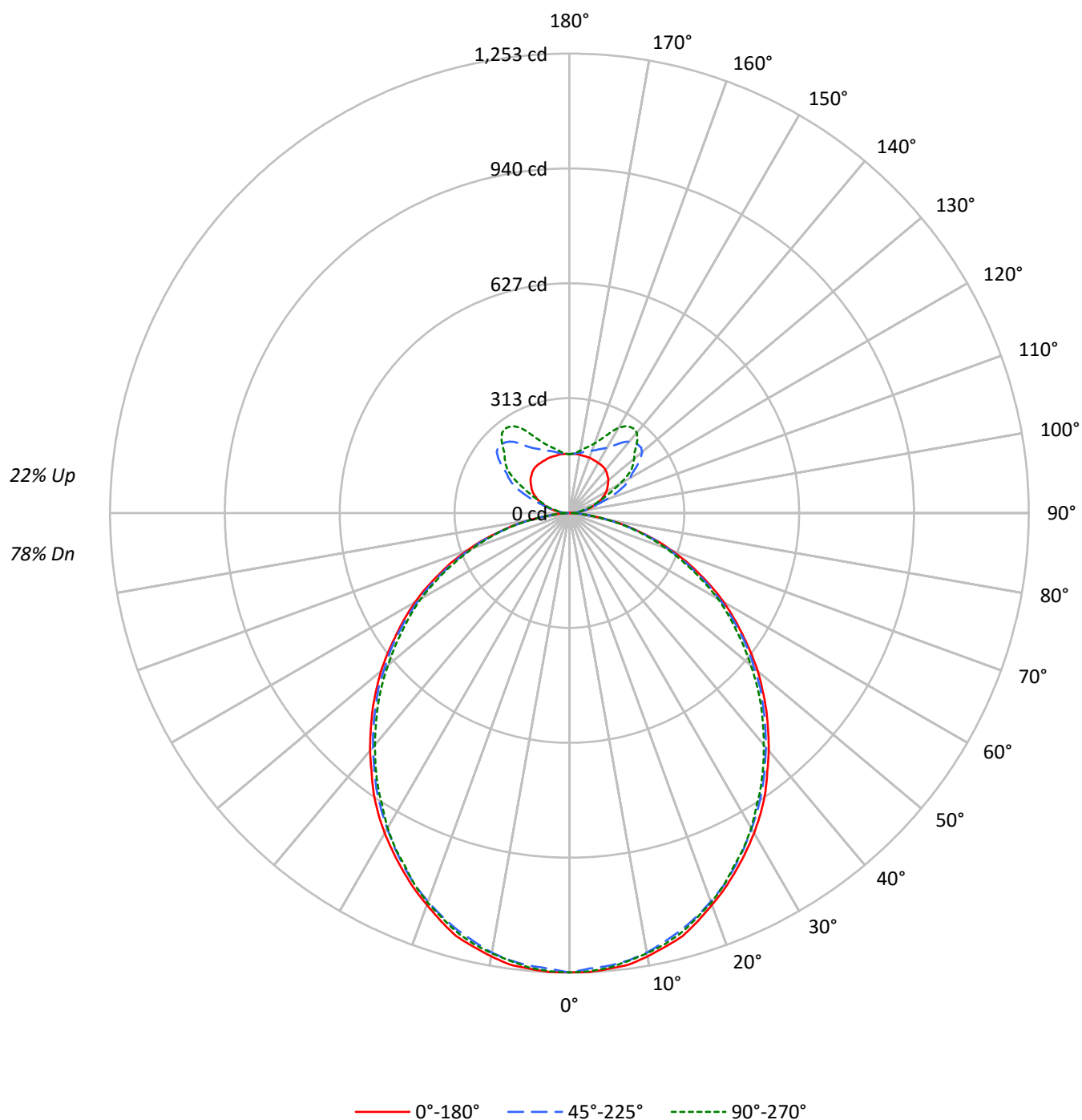
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10112	10112	10112
5°	10109	10041	10084
10°	10063	9978	9995
15°	9981	9841	9894
20°	9767	9686	9713
25°	9578	9495	9458
30°	9392	9266	9246
35°	9179	9045	8973
40°	8915	8783	8694
45°	8669	8538	8430
50°	8422	8265	8108
55°	8103	8000	7810
60°	7847	7663	7561
65°	7452	7253	7093
70°	6942	6770	6623
75°	6182	6082	6020
80°	4947	4993	4849
85°	3186	3288	3381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	2.9
10°-20°	333.7	8.1
20°-30°	492.2	11.9
30°-40°	574.9	13.9
40°-50°	577.3	14.0
50°-60°	508.2	12.3
60°-70°	377.9	9.2
70°-80°	207.1	5.0
80°-90°	47.1	1.1
90°-100°	23.8	0.6
100°-110°	75.3	1.8
110°-120°	141.9	3.4
120°-130°	178.5	4.3
130°-140°	175.8	4.3
140°-150°	141.6	3.4
150°-160°	90.7	2.2
160°-170°	49.6	1.2
170°-180°	15.7	0.4
0°-30°	944.0	22.9
0°-40°	1518.9	36.8
0°-60°	2604.4	63.1
0°-90°	3236.6	78.4
90°-120°	240.9	5.8
90°-150°	736.8	17.8
90°-180°	893.0	21.6
0°-180°	4129.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1253	1253	1253	1253	1253	
5°	1247	1244	1239	1244	1244	119
15°	1194	1187	1178	1188	1184	336
25°	1075	1073	1066	1065	1062	495
35°	931	926	918	915	910	582
45°	759	757	748	740	738	586
55°	576	578	568	560	555	516
65°	390	390	380	376	371	387
75°	198	198	195	192	193	211
85°	34	36	36	38	36	44
90°	1	3	4	5	4	3
95°	22	21	21	23	23	22
105°	63	100	65	65	58	66
115°	100	199	156	120	111	99
125°	127	204	225	209	206	114
135°	146	182	264	267	258	113
145°	156	176	230	276	287	98
155°	158	171	192	219	230	74
165°	161	166	174	182	186	46
175°	162	162	163	164	164	15
180°	161	161	161	161	161	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1252.6	1252.6	1252.6	1252.6	1252.6
2.5°	1252.6	1250.6	1243.3	1249.5	1250.6
5°	1247.4	1244.3	1239.1	1244.3	1244.3
7.5°	1242.2	1237.0	1230.7	1233.9	1231.8
10°	1227.6	1225.5	1217.2	1221.4	1219.3
12.5°	1210.9	1207.8	1197.4	1205.7	1203.6
15°	1194.2	1186.9	1177.5	1188.0	1183.8
17.5°	1166.1	1164.0	1153.6	1162.9	1156.7
20°	1136.9	1135.8	1127.5	1131.7	1130.6
22.5°	1107.7	1104.5	1099.3	1100.4	1099.3
25°	1075.3	1073.2	1065.9	1064.9	1061.8
27.5°	1042.0	1040.9	1030.5	1030.5	1029.4
30°	1007.5	1004.4	994.0	994.0	991.9
32.5°	971.0	965.8	956.4	954.3	949.1
35°	931.4	926.2	917.8	914.7	910.5
37.5°	886.6	885.5	875.1	871.9	868.8
40°	845.9	842.7	833.4	830.2	825.0
42.5°	802.1	802.1	790.6	783.3	781.2
45°	759.3	757.2	747.8	739.5	738.4
47.5°	714.5	713.4	706.1	693.6	693.6
50°	670.6	668.6	658.1	649.8	645.6
52.5°	622.7	625.8	615.4	606.0	600.8
55°	575.7	577.8	568.4	560.1	554.9
57.5°	530.9	531.9	521.5	515.2	511.1
60°	486.0	485.0	474.6	469.4	468.3
62.5°	439.1	437.0	428.7	423.5	418.2
65°	390.1	390.1	379.7	375.5	371.3
67.5°	344.2	341.1	333.8	329.6	324.4
70°	294.1	293.1	286.8	283.7	280.6
72.5°	249.3	246.1	243.0	238.8	235.7
75°	198.2	198.2	195.0	191.9	193.0
77.5°	154.4	153.3	150.2	148.1	148.1
80°	106.4	108.5	107.4	106.4	104.3
82.5°	68.8	69.9	66.8	66.8	67.8
85°	34.4	35.5	35.5	37.5	36.5
87.5°	11.5	12.5	14.6	15.6	15.6
90°	1.0	3.1	4.2	5.2	4.2
92.5°	11.5	12.5	15.6	15.6	15.6
95°	21.9	20.9	20.9	22.9	22.9
97.5°	32.3	33.4	26.1	27.1	27.1
100°	42.8	52.2	39.6	32.3	32.3
102.5°	53.2	76.1	52.2	45.9	41.7
105°	62.6	100.1	64.7	64.7	58.4
107.5°	72.0	122.0	81.4	67.8	67.8
110°	81.4	151.2	105.3	81.4	77.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	91.8	179.4	131.4	98.0	91.8
115°	100.1	199.2	156.5	119.9	110.6
117.5°	108.5	207.6	176.3	145.0	132.5
120°	115.8	210.7	190.9	171.1	158.5
122.5°	122.0	209.6	203.4	195.0	184.6
125°	127.2	204.4	225.3	208.6	206.5
127.5°	132.5	197.1	244.1	220.1	219.0
130°	138.7	189.8	258.7	228.4	230.5
132.5°	142.9	184.6	264.9	248.2	238.8
135°	146.0	182.5	263.9	267.0	257.6
137.5°	150.2	180.4	260.8	278.5	274.3
140°	153.3	180.4	254.5	283.7	285.8
142.5°	155.4	178.4	244.1	282.7	290.0
145°	156.5	176.3	229.5	276.4	286.8
147.5°	157.5	175.2	215.9	267.0	280.6
150°	157.5	173.1	205.5	252.4	269.1
152.5°	158.5	172.1	198.2	234.7	250.3
155°	158.5	171.1	191.9	219.0	230.5
157.5°	159.6	169.0	185.7	206.5	214.9
160°	160.6	167.9	181.5	196.1	202.3
162.5°	160.6	166.9	177.3	188.8	193.0
165°	160.6	165.8	174.2	182.5	185.7
167.5°	160.6	164.8	170.0	177.3	179.4
170°	161.7	163.8	166.9	172.1	173.1
172.5°	161.7	162.7	164.8	167.9	167.9
175°	161.7	161.7	162.7	163.8	163.8
177.5°	161.7	161.7	161.7	161.7	161.7
180°	160.6	160.6	160.6	160.6	160.6

(END OF REPORT)