

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: P274922

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L82765-1D-UNV-W2A-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3951.2 lumens
Efficiency: N/A
Efficacy: 106.5 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

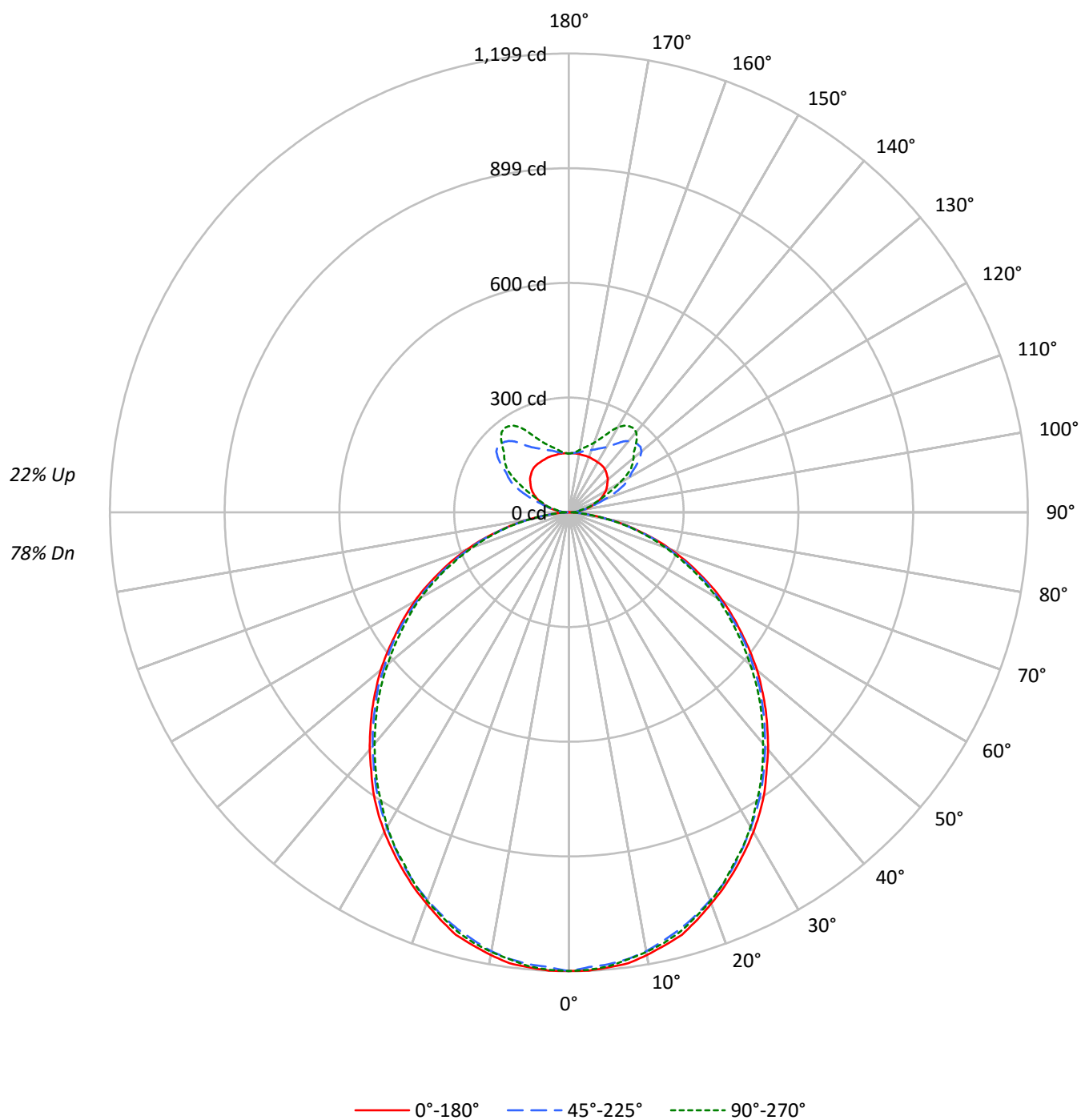
Input Watts (W): 37.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	9676	9676	9676
5°	9673	9608	9648
10°	9629	9548	9564
15°	9550	9417	9467
20°	9345	9268	9294
25°	9165	9086	9050
30°	8987	8866	8847
35°	8783	8655	8587
40°	8530	8403	8319
45°	8294	8170	8067
50°	8059	7909	7759
55°	7754	7655	7472
60°	7509	7332	7235
65°	7131	6940	6787
70°	6642	6479	6338
75°	5914	5820	5758
80°	4733	4779	4640
85°	3047	3140	3233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	2.9
10°-20°	319.3	8.1
20°-30°	471.0	11.9
30°-40°	550.1	13.9
40°-50°	552.4	14.0
50°-60°	486.2	12.3
60°-70°	361.6	9.2
70°-80°	198.2	5.0
80°-90°	45.1	1.1
90°-100°	22.8	0.6
100°-110°	72.0	1.8
110°-120°	135.7	3.4
120°-130°	170.8	4.3
130°-140°	168.2	4.3
140°-150°	135.5	3.4
150°-160°	86.8	2.2
160°-170°	47.4	1.2
170°-180°	15.0	0.4
0°-30°	903.3	22.9
0°-40°	1453.4	36.8
0°-60°	2492.0	63.1
0°-90°	3096.9	78.4
90°-120°	230.5	5.8
90°-150°	705.1	17.8
90°-180°	854.0	21.6
0°-180°	3951.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1199	1199	1199	1199	1199	
5°	1194	1191	1186	1191	1191	113
15°	1143	1136	1127	1137	1133	321
25°	1029	1027	1020	1019	1016	474
35°	891	886	878	875	871	556
45°	726	724	716	708	707	560
55°	551	553	544	536	531	494
65°	373	373	363	359	355	370
75°	190	190	187	184	185	202
85°	33	34	34	36	35	42
90°	1	3	4	5	4	3
95°	21	20	20	22	22	21
105°	60	96	62	62	56	63
115°	96	191	150	115	106	95
125°	122	196	216	200	198	109
135°	140	175	252	256	246	108
145°	150	169	220	264	274	94
155°	152	164	184	210	221	70
165°	154	159	167	175	178	44
175°	155	155	156	157	157	15
180°	154	154	154	154	154	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1198.6	1198.6	1198.6	1198.6	1198.6
2.5°	1198.6	1196.6	1189.6	1195.6	1196.6
5°	1193.6	1190.6	1185.6	1190.6	1190.6
7.5°	1188.6	1183.6	1177.6	1180.6	1178.6
10°	1174.6	1172.7	1164.7	1168.7	1166.7
12.5°	1158.7	1155.7	1145.7	1153.7	1151.7
15°	1142.7	1135.7	1126.7	1136.7	1132.7
17.5°	1115.8	1113.8	1103.8	1112.8	1106.8
20°	1087.8	1086.8	1078.8	1082.8	1081.8
22.5°	1059.9	1056.9	1051.9	1052.9	1051.9
25°	1028.9	1026.9	1020.0	1019.0	1016.0
27.5°	997.0	996.0	986.0	986.0	985.0
30°	964.1	961.1	951.1	951.1	949.1
32.5°	929.1	924.1	915.2	913.2	908.2
35°	891.2	886.2	878.2	875.2	871.3
37.5°	848.3	847.3	837.3	834.3	831.3
40°	809.4	806.4	797.4	794.4	789.4
42.5°	767.5	767.5	756.5	749.5	747.5
45°	726.5	724.5	715.6	707.6	706.6
47.5°	683.6	682.6	675.6	663.7	663.7
50°	641.7	639.7	629.7	621.8	617.8
52.5°	595.8	598.8	588.8	579.8	574.8
55°	550.9	552.9	543.9	535.9	530.9
57.5°	508.0	509.0	499.0	493.0	489.0
60°	465.1	464.1	454.1	449.1	448.1
62.5°	420.2	418.2	410.2	405.2	400.2
65°	373.3	373.3	363.3	359.3	355.3
67.5°	329.3	326.3	319.4	315.4	310.4
70°	281.4	280.4	274.5	271.5	268.5
72.5°	238.5	235.5	232.5	228.5	225.5
75°	189.6	189.6	186.6	183.6	184.6
77.5°	147.7	146.7	143.7	141.7	141.7
80°	101.8	103.8	102.8	101.8	99.8
82.5°	65.9	66.9	63.9	63.9	64.9
85°	32.9	33.9	33.9	35.9	34.9
87.5°	11.0	12.0	14.0	15.0	15.0
90°	1.0	3.0	4.0	5.0	4.0
92.5°	11.0	12.0	15.0	15.0	15.0
95°	21.0	20.0	20.0	22.0	22.0
97.5°	30.9	31.9	25.0	25.9	25.9
100°	40.9	49.9	37.9	30.9	30.9
102.5°	50.9	72.9	49.9	43.9	39.9
105°	59.9	95.8	61.9	61.9	55.9
107.5°	68.9	116.8	77.8	64.9	64.9
110°	77.8	144.7	100.8	77.8	73.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	87.8	171.7	125.7	93.8	87.8
115°	95.8	190.6	149.7	114.8	105.8
117.5°	103.8	198.6	168.7	138.7	126.7
120°	110.8	201.6	182.6	163.7	151.7
122.5°	116.8	200.6	194.6	186.6	176.6
125°	121.8	195.6	215.6	199.6	197.6
127.5°	126.7	188.6	233.5	210.6	209.6
130°	132.7	181.6	247.5	218.6	220.6
132.5°	136.7	176.6	253.5	237.5	228.5
135°	139.7	174.7	252.5	255.5	246.5
137.5°	143.7	172.7	249.5	266.5	262.5
140°	146.7	172.7	243.5	271.5	273.5
142.5°	148.7	170.7	233.5	270.5	277.4
145°	149.7	168.7	219.6	264.5	274.5
147.5°	150.7	167.7	206.6	255.5	268.5
150°	150.7	165.7	196.6	241.5	257.5
152.5°	151.7	164.7	189.6	224.6	239.5
155°	151.7	163.7	183.6	209.6	220.6
157.5°	152.7	161.7	177.6	197.6	205.6
160°	153.7	160.7	173.7	187.6	193.6
162.5°	153.7	159.7	169.7	180.6	184.6
165°	153.7	158.7	166.7	174.7	177.6
167.5°	153.7	157.7	162.7	169.7	171.7
170°	154.7	156.7	159.7	164.7	165.7
172.5°	154.7	155.7	157.7	160.7	160.7
175°	154.7	154.7	155.7	156.7	156.7
177.5°	154.7	154.7	154.7	154.7	154.7
180°	153.7	153.7	153.7	153.7	153.7

(END OF REPORT)