

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: P253283

Luminaire Tested: **J2-WL-30L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L835-1D-UNV-STD-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3011.9 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

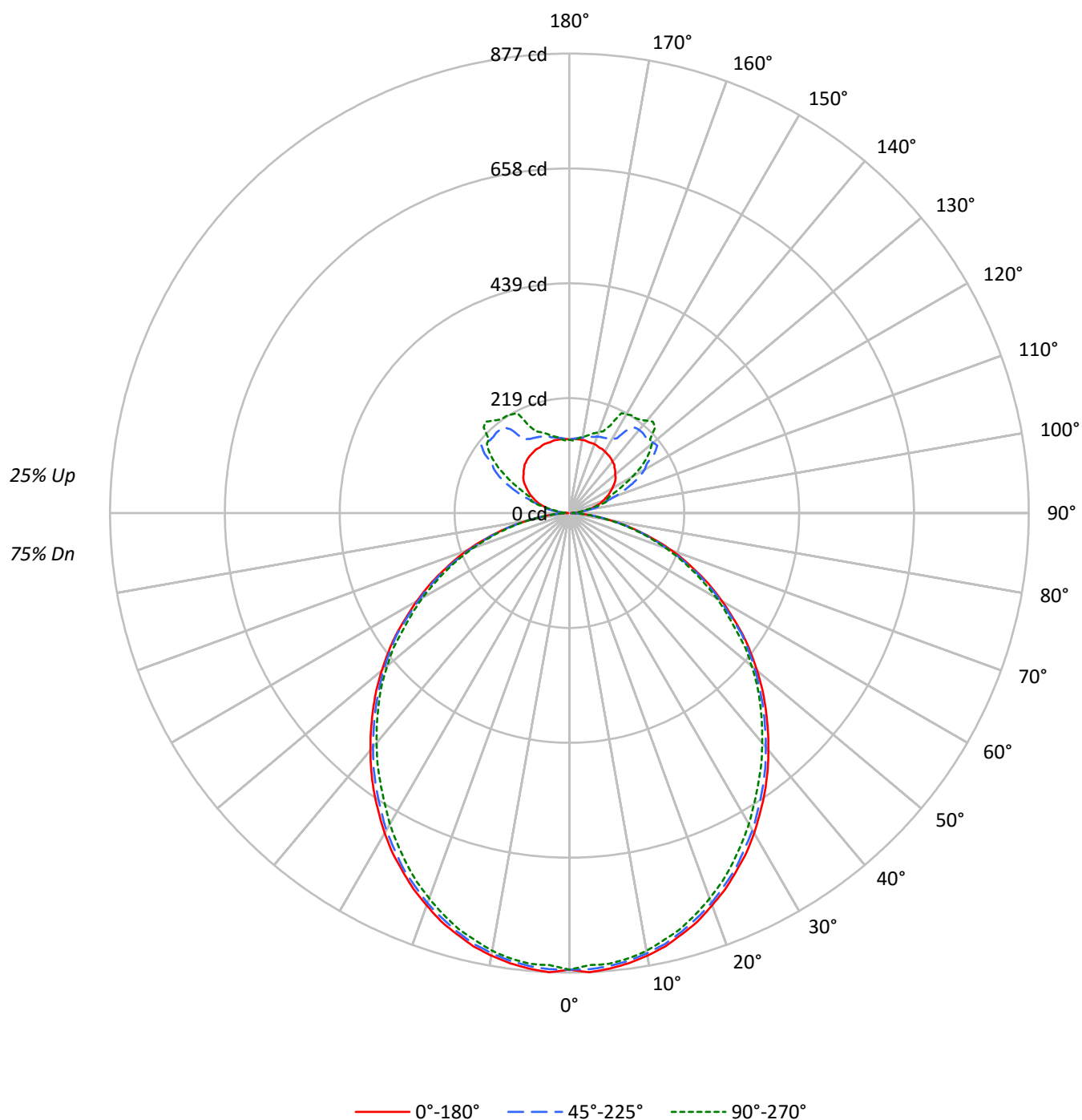
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75		
1	103	99	95	91	98	94	91	87	85	83	80	77	75	73	70	68	67	63		
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	62	59	56	53		
3	86	76	68	62	81	73	66	60	66	60	56	60	56	52	55	51	48	45		
4	79	67	59	53	75	64	57	51	59	53	48	54	49	44	49	45	41	38		
5	72	60	52	45	69	58	50	44	53	46	41	48	43	39	44	40	36	33		
6	67	54	46	40	63	52	44	38	48	41	36	44	38	34	40	35	32	29		
7	62	49	41	35	59	47	39	34	43	37	32	40	34	30	36	32	28	26		
8	58	45	37	31	55	43	35	30	40	33	29	36	31	27	34	29	25	23		
9	54	41	33	28	51	39	32	27	36	30	26	34	28	24	31	26	23	21		
10	50	38	30	25	48	36	29	24	34	27	23	31	26	22	29	24	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7034	7034	7034
5°	7073	7036	6999
10°	7030	6992	6955
15°	6951	6913	6862
20°	6844	6805	6726
25°	6716	6675	6567
30°	6575	6518	6390
35°	6410	6335	6200
40°	6228	6148	6035
45°	6052	5965	5879
50°	5873	5796	5701
55°	5682	5638	5446
60°	5435	5362	5239
65°	5179	5093	4947
70°	4891	4709	4638
75°	4370	4323	4180
80°	3682	3682	3543
85°	2825	2964	2825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	2.7
10°-20°	232.4	7.7
20°-30°	343.0	11.4
30°-40°	399.8	13.3
40°-50°	402.3	13.4
50°-60°	354.3	11.8
60°-70°	263.0	8.7
70°-80°	146.3	4.9
80°-90°	38.1	1.3
90°-100°	19.2	0.6
100°-110°	69.0	2.3
110°-120°	120.5	4.0
120°-130°	152.0	5.0
130°-140°	143.9	4.8
140°-150°	114.6	3.8
150°-160°	75.2	2.5
160°-170°	42.5	1.4
170°-180°	13.7	0.5
0°-30°	657.5	21.8
0°-40°	1057.3	35.1
0°-60°	1814.0	60.2
0°-90°	2261.3	75.1
90°-120°	208.8	6.9
90°-150°	619.3	20.6
90°-180°	751.0	24.9
0°-180°	3011.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	871	871	871	871	871	
5°	873	864	868	865	864	83
15°	832	823	827	823	821	235
25°	754	746	749	739	737	347
35°	650	643	643	632	629	407
45°	530	526	522	515	515	409
55°	404	402	401	390	387	360
65°	271	271	267	260	259	269
75°	140	140	139	136	134	149
85°	30	32	32	32	30	35
90°	3	5	5	6	6	4
95°	17	18	15	14	12	17
105°	52	81	61	68	62	55
115°	82	158	132	108	99	81
125°	107	171	198	184	178	95
135°	122	142	206	232	232	94
145°	132	145	195	219	221	83
155°	137	145	158	171	184	64
165°	140	143	151	155	155	40
175°	142	142	143	143	140	14
180°	140	140	140	140	140	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	871.3	871.3	871.3	871.3	871.3
2.5°	877.4	866.7	871.3	869.8	863.7
5°	872.8	863.7	868.2	865.2	863.7
7.5°	866.7	857.6	862.2	859.1	857.6
10°	857.6	848.4	853.0	848.4	848.4
12.5°	846.9	836.3	842.4	836.3	834.7
15°	831.7	822.6	827.1	822.6	821.0
17.5°	816.5	807.3	810.4	805.8	802.7
20°	796.7	789.0	792.1	784.5	782.9
22.5°	776.9	769.2	770.8	763.1	761.6
25°	754.0	746.4	749.4	738.8	737.2
27.5°	731.2	722.0	723.5	712.9	711.4
30°	705.3	697.6	699.2	687.0	685.5
32.5°	677.8	670.2	670.2	659.6	656.5
35°	650.4	642.8	642.8	632.1	629.1
37.5°	621.5	613.9	613.9	603.2	601.7
40°	591.0	584.9	583.4	572.7	572.7
42.5°	560.6	556.0	552.9	543.8	543.8
45°	530.1	525.5	522.5	514.9	514.9
47.5°	499.6	495.1	492.0	485.9	485.9
50°	467.6	464.6	461.5	455.4	453.9
52.5°	435.6	434.1	431.1	425.0	423.5
55°	403.7	402.1	400.6	390.0	386.9
57.5°	368.6	367.1	364.1	356.4	354.9
60°	336.6	333.6	332.1	324.5	324.5
62.5°	304.6	303.1	300.1	292.5	290.9
65°	271.1	271.1	266.6	260.5	259.0
67.5°	239.1	237.6	233.1	228.5	227.0
70°	207.2	205.6	199.5	198.0	196.5
72.5°	173.6	172.1	169.1	166.0	164.5
75°	140.1	140.1	138.6	135.6	134.0
77.5°	109.7	109.7	108.2	106.6	105.1
80°	79.2	80.7	79.2	77.7	76.2
82.5°	53.3	54.8	53.3	53.3	51.8
85°	30.5	32.0	32.0	32.0	30.5
87.5°	12.2	13.7	13.7	12.2	12.2
90°	3.0	4.6	4.6	6.1	6.1
92.5°	7.6	9.1	7.6	9.1	7.6
95°	16.8	18.3	15.2	13.7	12.2
97.5°	25.9	33.5	24.4	22.8	21.3
100°	35.0	44.2	39.6	32.0	27.4
102.5°	44.2	62.5	57.9	45.7	41.1
105°	51.8	80.7	60.9	68.5	62.5
107.5°	60.9	99.0	73.1	73.1	77.7
110°	68.5	123.4	92.9	76.2	76.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	74.6	153.8	112.7	88.3	82.3
115°	82.3	158.4	132.5	108.2	99.0
117.5°	88.3	161.5	150.8	129.5	118.8
120°	94.4	166.0	166.0	147.8	138.6
122.5°	100.5	169.1	175.2	167.6	159.9
125°	106.6	170.6	198.0	184.3	178.2
127.5°	111.2	163.0	211.7	196.5	193.5
130°	114.2	144.7	208.7	201.1	205.6
132.5°	118.8	140.1	205.6	220.9	208.7
135°	121.9	141.7	205.6	231.5	231.5
137.5°	126.4	143.2	207.2	225.4	236.1
140°	128.0	143.2	207.2	220.9	230.0
142.5°	131.0	144.7	205.6	217.8	223.9
145°	132.5	144.7	195.0	219.3	220.9
147.5°	134.0	144.7	169.1	216.3	220.9
150°	135.6	144.7	163.0	214.8	217.8
152.5°	137.1	144.7	159.9	195.0	214.8
155°	137.1	144.7	158.4	170.6	184.3
157.5°	138.6	144.7	156.9	166.0	169.1
160°	140.1	144.7	155.4	163.0	164.5
162.5°	140.1	143.2	152.3	159.9	159.9
165°	140.1	143.2	150.8	155.4	155.4
167.5°	141.7	143.2	147.8	152.3	150.8
170°	141.7	141.7	146.2	149.3	147.8
172.5°	141.7	141.7	144.7	146.2	144.7
175°	141.7	141.7	143.2	143.2	140.1
177.5°	141.7	141.7	141.7	141.7	138.6
180°	140.1	140.1	140.1	140.1	140.1

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