

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: P274894

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L82765-1D-UNV-W2A-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3108.2 lumens
Efficiency: N/A
Efficacy: 115.5 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

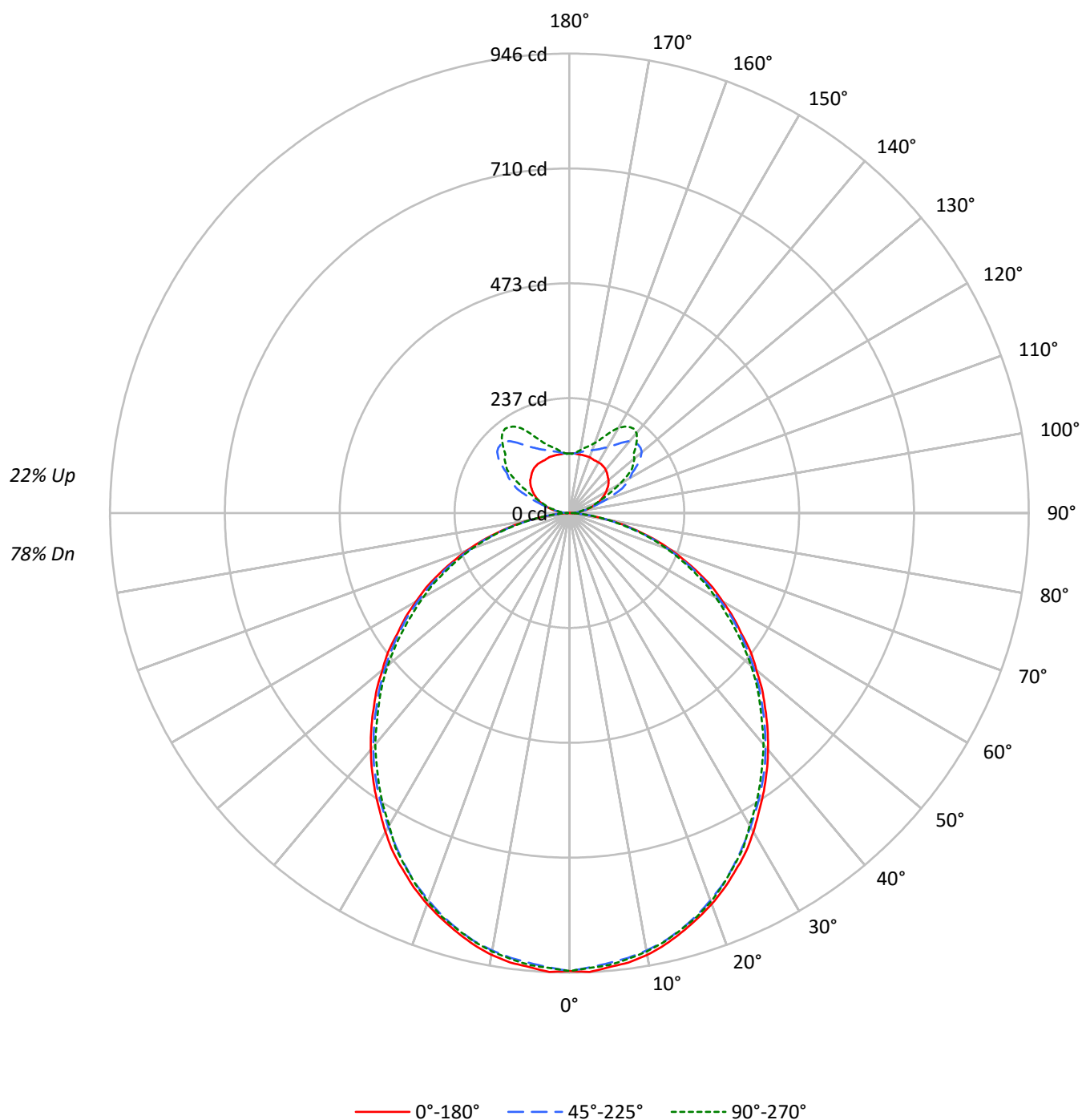
Input Watts (W): 26.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	77	75	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	46	43	40		
5	73	61	52	46	69	58	50	45	54	47	42	50	44	40	46	41	37	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	41	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°	7610	7610	7610
5°	7605	7537	7571
10°	7573	7496	7513
15°	7468	7415	7423
20°	7362	7290	7317
25°	7223	7130	7139
30°	7062	6955	6916
35°	6880	6797	6735
40°	6707	6618	6553
45°	6514	6407	6335
50°	6312	6221	6129
55°	6089	6016	5869
60°	5888	5771	5619
65°	5649	5509	5330
70°	5278	5105	5006
75°	4694	4532	4498
80°	3789	3691	3691
85°	2325	2519	2519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	2.9
10°-20°	251.1	8.1
20°-30°	370.2	11.9
30°-40°	432.1	13.9
40°-50°	434.0	14.0
50°-60°	381.9	12.3
60°-70°	284.5	9.2
70°-80°	155.6	5.0
80°-90°	35.4	1.1
90°-100°	18.1	0.6
100°-110°	56.9	1.8
110°-120°	106.9	3.4
120°-130°	134.7	4.3
130°-140°	132.6	4.3
140°-150°	107.2	3.4
150°-160°	68.8	2.2
160°-170°	37.6	1.2
170°-180°	11.9	0.4
0°-30°	710.0	22.8
0°-40°	1142.2	36.7
0°-60°	1958.1	63.0
0°-90°	2433.5	78.3
90°-120°	181.9	5.9
90°-150°	556.3	17.9
90°-180°	675.0	21.7
0°-180°	3108.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	943	943	943	943	943	
5°	938	936	930	937	934	89
15°	894	894	887	891	888	252
25°	811	806	800	803	802	374
35°	698	697	690	686	683	437
45°	571	570	561	555	555	440
55°	433	435	427	420	417	389
65°	296	294	288	281	279	292
75°	150	148	145	145	144	160
85°	25	26	27	28	27	33
90°	1	2	3	4	3	2
95°	17	16	16	17	18	17
105°	47	75	49	48	45	50
115°	75	149	119	90	84	74
125°	97	155	169	157	157	87
135°	111	138	200	201	193	86
145°	119	134	174	209	216	75
155°	120	131	145	166	176	56
165°	122	125	132	138	141	35
175°	123	123	123	125	124	12
180°	122	122	122	122	122	



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CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	942.6	942.6	942.6	942.6	942.6
2.5°	945.7	940.5	936.3	941.5	937.4
5°	938.4	936.3	930.0	937.4	934.2
7.5°	933.2	930.0	923.8	930.0	925.9
10°	923.8	921.7	914.4	918.6	916.5
12.5°	910.2	910.2	902.9	907.1	903.9
15°	893.5	894.5	887.2	891.4	888.2
17.5°	875.7	876.8	869.4	873.6	871.5
20°	856.9	853.8	848.5	851.7	851.7
22.5°	835.0	830.8	826.6	826.6	827.6
25°	810.9	805.7	800.5	802.6	801.5
27.5°	786.9	780.6	773.3	776.4	776.4
30°	757.6	753.4	746.1	748.2	741.9
32.5°	727.3	725.2	717.9	716.9	713.7
35°	698.1	697.0	689.7	685.5	683.4
37.5°	667.8	667.8	660.4	656.3	652.1
40°	636.4	634.3	628.0	622.8	621.8
42.5°	604.0	603.0	595.6	589.4	587.3
45°	570.6	569.5	561.2	554.9	554.9
47.5°	538.2	535.0	528.8	521.5	522.5
50°	502.6	502.6	495.3	489.1	488.0
52.5°	471.3	468.2	460.8	456.7	452.5
55°	432.6	434.7	427.4	420.1	417.0
57.5°	400.2	400.2	394.0	385.6	381.4
60°	364.7	364.7	357.4	352.2	348.0
62.5°	332.3	330.2	322.9	316.6	315.6
65°	295.7	293.6	288.4	281.1	279.0
67.5°	258.1	257.1	250.8	246.6	245.6
70°	223.6	220.5	216.3	213.2	212.1
72.5°	187.1	183.9	181.8	178.7	178.7
75°	150.5	148.4	145.3	145.3	144.2
77.5°	116.0	113.9	113.9	111.8	109.7
80°	81.5	82.6	79.4	79.4	79.4
82.5°	51.2	52.2	50.2	50.2	50.2
85°	25.1	26.1	27.2	28.2	27.2
87.5°	7.3	9.4	11.5	12.5	11.5
90°	1.0	2.1	3.1	4.2	3.1
92.5°	8.4	9.4	11.5	12.5	12.5
95°	16.7	15.7	15.7	16.7	17.8
97.5°	24.0	25.1	19.9	20.9	20.9
100°	32.4	39.7	30.3	25.1	25.1
102.5°	39.7	57.5	39.7	34.5	31.3
105°	47.0	75.2	49.1	48.1	44.9
107.5°	54.3	92.0	62.7	51.2	51.2
110°	62.7	111.8	79.4	62.7	58.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	69.0	133.8	98.2	74.2	70.0
115°	75.2	149.4	119.1	89.9	83.6
117.5°	81.5	156.7	132.7	109.7	100.3
120°	86.7	159.9	144.2	129.6	119.1
122.5°	92.0	158.8	152.6	147.3	139.0
125°	97.2	154.7	169.3	156.7	156.7
127.5°	101.4	148.4	183.9	166.2	165.1
130°	105.5	143.2	194.4	171.4	174.5
132.5°	107.6	140.0	198.5	186.0	178.7
135°	110.8	137.9	199.6	200.6	193.3
137.5°	113.9	137.9	197.5	210.0	205.9
140°	116.0	136.9	193.3	214.2	215.3
142.5°	118.1	134.8	183.9	213.2	218.4
145°	119.1	133.8	173.5	209.0	216.3
147.5°	120.2	132.7	164.1	201.7	211.1
150°	120.2	131.7	156.7	191.2	202.7
152.5°	120.2	130.6	150.5	177.6	190.2
155°	120.2	130.6	145.3	166.2	175.6
157.5°	121.2	128.5	141.1	156.7	163.0
160°	122.3	127.5	137.9	149.4	153.6
162.5°	122.3	126.4	134.8	143.2	146.3
165°	122.3	125.4	131.7	137.9	141.1
167.5°	122.3	125.4	129.6	134.8	136.9
170°	122.3	124.4	127.5	130.6	131.7
172.5°	122.3	124.4	125.4	127.5	127.5
175°	123.3	123.3	123.3	125.4	124.4
177.5°	123.3	123.3	122.3	123.3	122.3
180°	122.3	122.3	122.3	122.3	122.3

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