

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: P274890

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274890
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 (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: 2968.4 lumens
Efficiency: N/A
Efficacy: 113.7 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

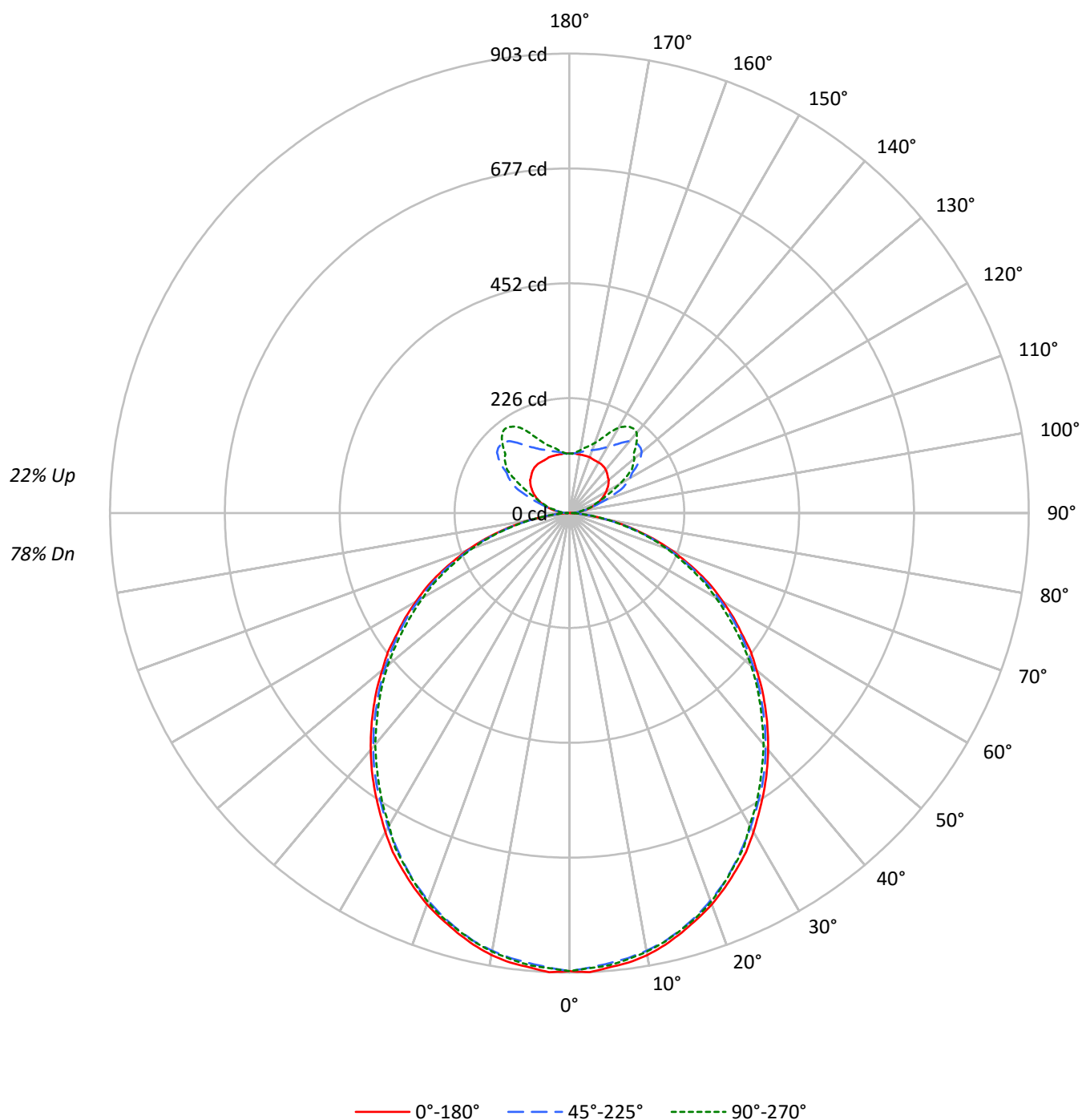
Input Watts (W): 26.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	7267	7267	7267
5°	7263	7198	7230
10°	7232	7158	7174
15°	7132	7082	7090
20°	7031	6962	6988
25°	6898	6810	6819
30°	6744	6643	6605
35°	6570	6492	6433
40°	6405	6321	6258
45°	6221	6118	6050
50°	6028	5942	5854
55°	5816	5745	5605
60°	5624	5511	5365
65°	5394	5261	5091
70°	5042	4877	4782
75°	4482	4326	4295
80°	3617	3524	3524
85°	2223	2399	2399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	2.9
10°-20°	239.8	8.1
20°-30°	353.6	11.9
30°-40°	412.7	13.9
40°-50°	414.5	14.0
50°-60°	364.7	12.3
60°-70°	271.7	9.2
70°-80°	148.6	5.0
80°-90°	33.8	1.1
90°-100°	17.3	0.6
100°-110°	54.3	1.8
110°-120°	102.1	3.4
120°-130°	128.6	4.3
130°-140°	126.6	4.3
140°-150°	102.3	3.4
150°-160°	65.7	2.2
160°-170°	35.9	1.2
170°-180°	11.4	0.4
0°-30°	678.1	22.8
0°-40°	1090.8	36.7
0°-60°	1870.0	63.0
0°-90°	2324.0	78.3
90°-120°	173.7	5.9
90°-150°	531.3	17.9
90°-180°	644.0	21.7
0°-180°	2968.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	896	894	888	895	892	85
15°	853	854	847	851	848	241
25°	774	770	764	766	766	357
35°	667	666	659	655	653	417
45°	545	544	536	530	530	421
55°	413	415	408	401	398	371
65°	282	280	275	268	266	279
75°	144	142	139	139	138	153
85°	24	25	26	27	26	31
90°	1	2	3	4	3	2
95°	16	15	15	16	17	16
105°	45	72	47	46	43	48
115°	72	143	114	86	80	71
125°	93	148	162	150	150	83
135°	106	132	191	192	185	82
145°	114	128	166	200	207	71
155°	115	125	139	159	168	53
165°	117	120	126	132	135	33
175°	118	118	118	120	119	11
180°	117	117	117	117	117	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	900.2	900.2	900.2	900.2	900.2
2.5°	903.2	898.2	894.2	899.2	895.2
5°	896.2	894.2	888.2	895.2	892.2
7.5°	891.2	888.2	882.2	888.2	884.2
10°	882.2	880.2	873.2	877.2	875.2
12.5°	869.3	869.3	862.3	866.3	863.3
15°	853.3	854.3	847.3	851.3	848.3
17.5°	836.3	837.3	830.3	834.3	832.3
20°	818.4	815.4	810.4	813.4	813.4
22.5°	797.4	793.4	789.4	789.4	790.4
25°	774.4	769.5	764.5	766.5	765.5
27.5°	751.5	745.5	738.5	741.5	741.5
30°	723.5	719.6	712.6	714.6	708.6
32.5°	694.6	692.6	685.6	684.6	681.6
35°	666.7	665.7	658.7	654.7	652.7
37.5°	637.7	637.7	630.7	626.7	622.8
40°	607.8	605.8	599.8	594.8	593.8
42.5°	576.8	575.8	568.9	562.9	560.9
45°	544.9	543.9	535.9	529.9	529.9
47.5°	514.0	511.0	505.0	498.0	499.0
50°	480.0	480.0	473.1	467.1	466.1
52.5°	450.1	447.1	440.1	436.1	432.1
55°	413.2	415.2	408.2	401.2	398.2
57.5°	382.2	382.2	376.2	368.3	364.3
60°	348.3	348.3	341.3	336.3	332.3
62.5°	317.4	315.4	308.4	302.4	301.4
65°	282.4	280.4	275.4	268.5	266.5
67.5°	246.5	245.5	239.5	235.5	234.5
70°	213.6	210.6	206.6	203.6	202.6
72.5°	178.6	175.6	173.7	170.7	170.7
75°	143.7	141.7	138.7	138.7	137.7
77.5°	110.8	108.8	108.8	106.8	104.8
80°	77.8	78.8	75.8	75.8	75.8
82.5°	48.9	49.9	47.9	47.9	47.9
85°	24.0	24.9	25.9	26.9	25.9
87.5°	7.0	9.0	11.0	12.0	11.0
90°	1.0	2.0	3.0	4.0	3.0
92.5°	8.0	9.0	11.0	12.0	12.0
95°	16.0	15.0	15.0	16.0	17.0
97.5°	23.0	24.0	19.0	20.0	20.0
100°	30.9	37.9	28.9	24.0	24.0
102.5°	37.9	54.9	37.9	32.9	29.9
105°	44.9	71.9	46.9	45.9	42.9
107.5°	51.9	87.8	59.9	48.9	48.9
110°	59.9	106.8	75.8	59.9	55.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	65.9	127.7	93.8	70.9	66.9
115°	71.9	142.7	113.8	85.8	79.8
117.5°	77.8	149.7	126.7	104.8	95.8
120°	82.8	152.7	137.7	123.8	113.8
122.5°	87.8	151.7	145.7	140.7	132.7
125°	92.8	147.7	161.7	149.7	149.7
127.5°	96.8	141.7	175.6	158.7	157.7
130°	100.8	136.7	185.6	163.7	166.7
132.5°	102.8	133.7	189.6	177.6	170.7
135°	105.8	131.7	190.6	191.6	184.6
137.5°	108.8	131.7	188.6	200.6	196.6
140°	110.8	130.7	184.6	204.6	205.6
142.5°	112.8	128.7	175.6	203.6	208.6
145°	113.8	127.7	165.7	199.6	206.6
147.5°	114.8	126.7	156.7	192.6	201.6
150°	114.8	125.7	149.7	182.6	193.6
152.5°	114.8	124.7	143.7	169.7	181.6
155°	114.8	124.7	138.7	158.7	167.7
157.5°	115.8	122.8	134.7	149.7	155.7
160°	116.8	121.8	131.7	142.7	146.7
162.5°	116.8	120.8	128.7	136.7	139.7
165°	116.8	119.8	125.7	131.7	134.7
167.5°	116.8	119.8	123.8	128.7	130.7
170°	116.8	118.8	121.8	124.7	125.7
172.5°	116.8	118.8	119.8	121.8	121.8
175°	117.8	117.8	117.8	119.8	118.8
177.5°	117.8	117.8	116.8	117.8	116.8
180°	116.8	116.8	116.8	116.8	116.8

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