

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: P274889

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274889
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2905.9 lumens
Efficiency: N/A
Efficacy: 112.2 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

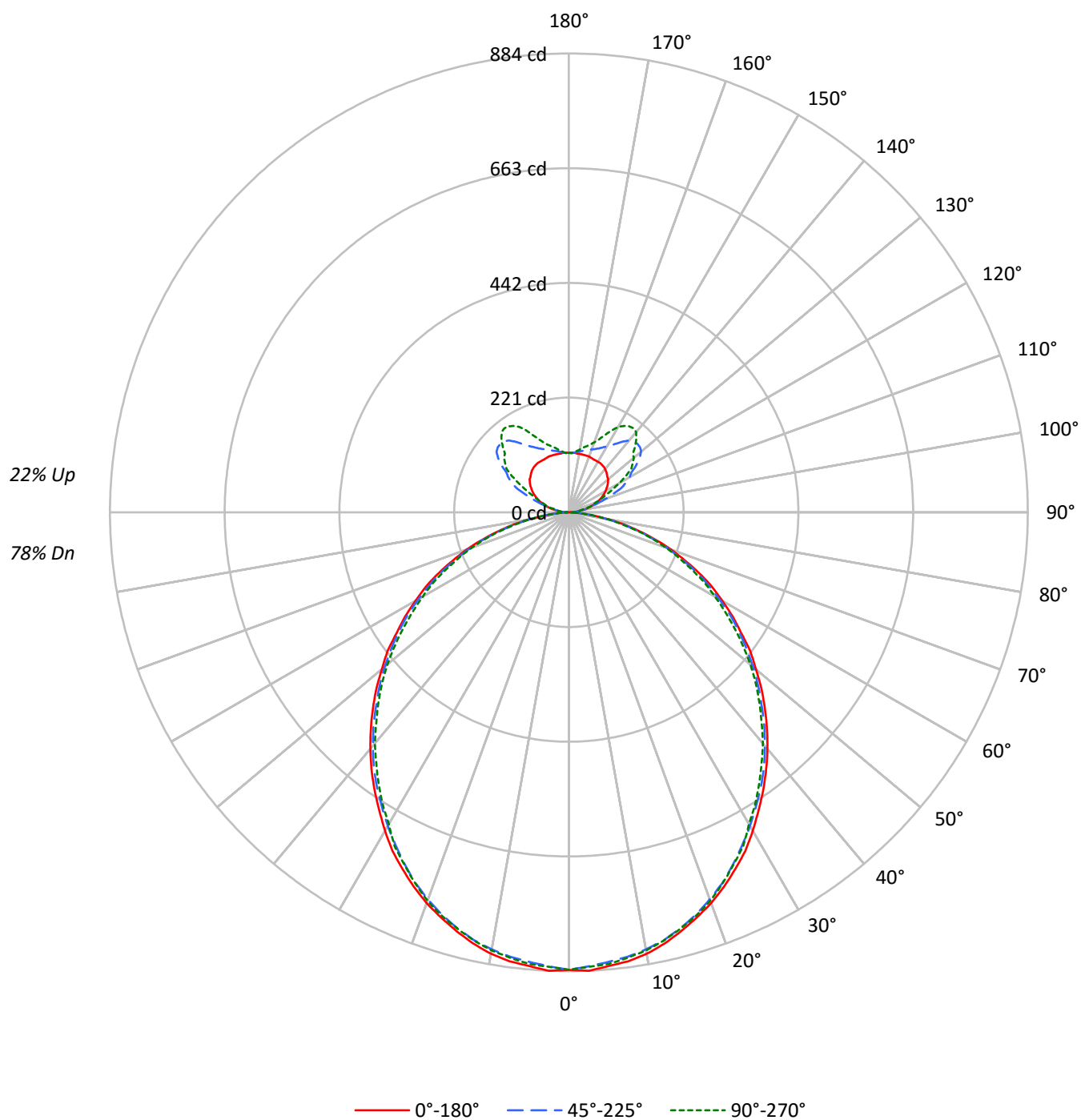
Input Watts (W): 25.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7115	7115	7115
5°	7109	7046	7078
10°	7080	7008	7024
15°	6981	6933	6940
20°	6882	6815	6841
25°	6754	6666	6675
30°	6603	6503	6467
35°	6432	6355	6298
40°	6270	6188	6126
45°	6090	5989	5923
50°	5902	5816	5731
55°	5693	5624	5486
60°	5506	5394	5252
65°	5282	5152	4984
70°	4936	4773	4681
75°	4389	4236	4205
80°	3543	3454	3454
85°	2167	2353	2353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	2.9
10°-20°	234.7	8.1
20°-30°	346.1	11.9
30°-40°	404.0	13.9
40°-50°	405.8	14.0
50°-60°	357.0	12.3
60°-70°	266.0	9.2
70°-80°	145.5	5.0
80°-90°	33.1	1.1
90°-100°	16.9	0.6
100°-110°	53.2	1.8
110°-120°	100.0	3.4
120°-130°	125.9	4.3
130°-140°	124.0	4.3
140°-150°	100.2	3.4
150°-160°	64.4	2.2
160°-170°	35.2	1.2
170°-180°	11.2	0.4
0°-30°	663.8	22.8
0°-40°	1067.9	36.7
0°-60°	1830.7	63.0
0°-90°	2275.1	78.3
90°-120°	170.0	5.9
90°-150°	520.1	17.9
90°-180°	631.0	21.7
0°-180°	2905.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	877	875	870	876	873	83
15°	835	836	830	833	830	236
25°	758	753	748	750	749	349
35°	653	652	645	641	639	408
45°	533	532	525	519	519	412
55°	404	406	400	393	390	363
65°	276	274	270	263	261	273
75°	141	139	136	136	135	149
85°	23	24	25	26	25	31
90°	1	2	3	4	3	2
95°	16	15	15	16	17	16
105°	44	70	46	45	42	47
115°	70	140	111	84	78	70
125°	91	145	158	146	146	81
135°	104	129	187	188	181	80
145°	111	125	162	195	202	70
155°	112	122	136	155	164	52
165°	114	117	123	129	132	32
175°	115	115	115	117	116	11
180°	114	114	114	114	114	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.3	881.3	881.3	881.3	881.3
2.5°	884.2	879.3	875.4	880.3	876.4
5°	877.3	875.4	869.5	876.4	873.4
7.5°	872.5	869.5	863.7	869.5	865.6
10°	863.7	861.7	854.9	858.8	856.8
12.5°	851.0	851.0	844.1	848.0	845.1
15°	835.3	836.3	829.5	833.4	830.4
17.5°	818.7	819.7	812.9	816.8	814.8
20°	801.1	798.2	793.3	796.3	796.3
22.5°	780.6	776.7	772.8	772.8	773.8
25°	758.2	753.3	748.4	750.3	749.4
27.5°	735.7	729.8	723.0	725.9	725.9
30°	708.3	704.4	697.6	699.5	693.7
32.5°	680.0	678.0	671.2	670.2	667.3
35°	652.6	651.7	644.8	640.9	639.0
37.5°	624.3	624.3	617.5	613.6	609.6
40°	595.0	593.0	587.2	582.3	581.3
42.5°	564.7	563.7	556.9	551.0	549.1
45°	533.4	532.5	524.6	518.8	518.8
47.5°	503.2	500.2	494.4	487.5	488.5
50°	469.9	469.9	463.1	457.2	456.3
52.5°	440.6	437.7	430.9	426.9	423.0
55°	404.5	406.4	399.6	392.8	389.8
57.5°	374.2	374.2	368.3	360.5	356.6
60°	341.0	341.0	334.1	329.2	325.3
62.5°	310.7	308.7	301.9	296.0	295.1
65°	276.5	274.5	269.7	262.8	260.9
67.5°	241.3	240.3	234.5	230.6	229.6
70°	209.1	206.1	202.2	199.3	198.3
72.5°	174.9	172.0	170.0	167.1	167.1
75°	140.7	138.7	135.8	135.8	134.8
77.5°	108.4	106.5	106.5	104.5	102.6
80°	76.2	77.2	74.3	74.3	74.3
82.5°	47.9	48.8	46.9	46.9	46.9
85°	23.4	24.4	25.4	26.4	25.4
87.5°	6.8	8.8	10.7	11.7	10.7
90°	1.0	2.0	2.9	3.9	2.9
92.5°	7.8	8.8	10.7	11.7	11.7
95°	15.6	14.7	14.7	15.6	16.6
97.5°	22.5	23.4	18.6	19.5	19.5
100°	30.3	37.1	28.3	23.4	23.4
102.5°	37.1	53.7	37.1	32.2	29.3
105°	44.0	70.3	45.9	44.9	42.0
107.5°	50.8	86.0	58.6	47.9	47.9
110°	58.6	104.5	74.3	58.6	54.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	64.5	125.1	91.8	69.4	65.5
115°	70.3	139.7	111.4	84.0	78.2
117.5°	76.2	146.5	124.1	102.6	93.8
120°	81.1	149.5	134.8	121.1	111.4
122.5°	86.0	148.5	142.6	137.8	129.9
125°	90.9	144.6	158.3	146.5	146.5
127.5°	94.8	138.7	172.0	155.3	154.4
130°	98.7	133.8	181.7	160.2	163.2
132.5°	100.6	130.9	185.6	173.9	167.1
135°	103.6	129.0	186.6	187.6	180.7
137.5°	106.5	129.0	184.7	196.4	192.5
140°	108.4	128.0	180.7	200.3	201.3
142.5°	110.4	126.0	172.0	199.3	204.2
145°	111.4	125.1	162.2	195.4	202.2
147.5°	112.4	124.1	153.4	188.6	197.4
150°	112.4	123.1	146.5	178.8	189.5
152.5°	112.4	122.1	140.7	166.1	177.8
155°	112.4	122.1	135.8	155.3	164.1
157.5°	113.3	120.2	131.9	146.5	152.4
160°	114.3	119.2	129.0	139.7	143.6
162.5°	114.3	118.2	126.0	133.8	136.8
165°	114.3	117.2	123.1	129.0	131.9
167.5°	114.3	117.2	121.1	126.0	128.0
170°	114.3	116.3	119.2	122.1	123.1
172.5°	114.3	116.3	117.2	119.2	119.2
175°	115.3	115.3	115.3	117.2	116.3
177.5°	115.3	115.3	114.3	115.3	114.3
180°	114.3	114.3	114.3	114.3	114.3

(END OF REPORT)