

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: P274887

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274887
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2730.6 lumens
Efficiency: N/A
Efficacy: 105.8 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

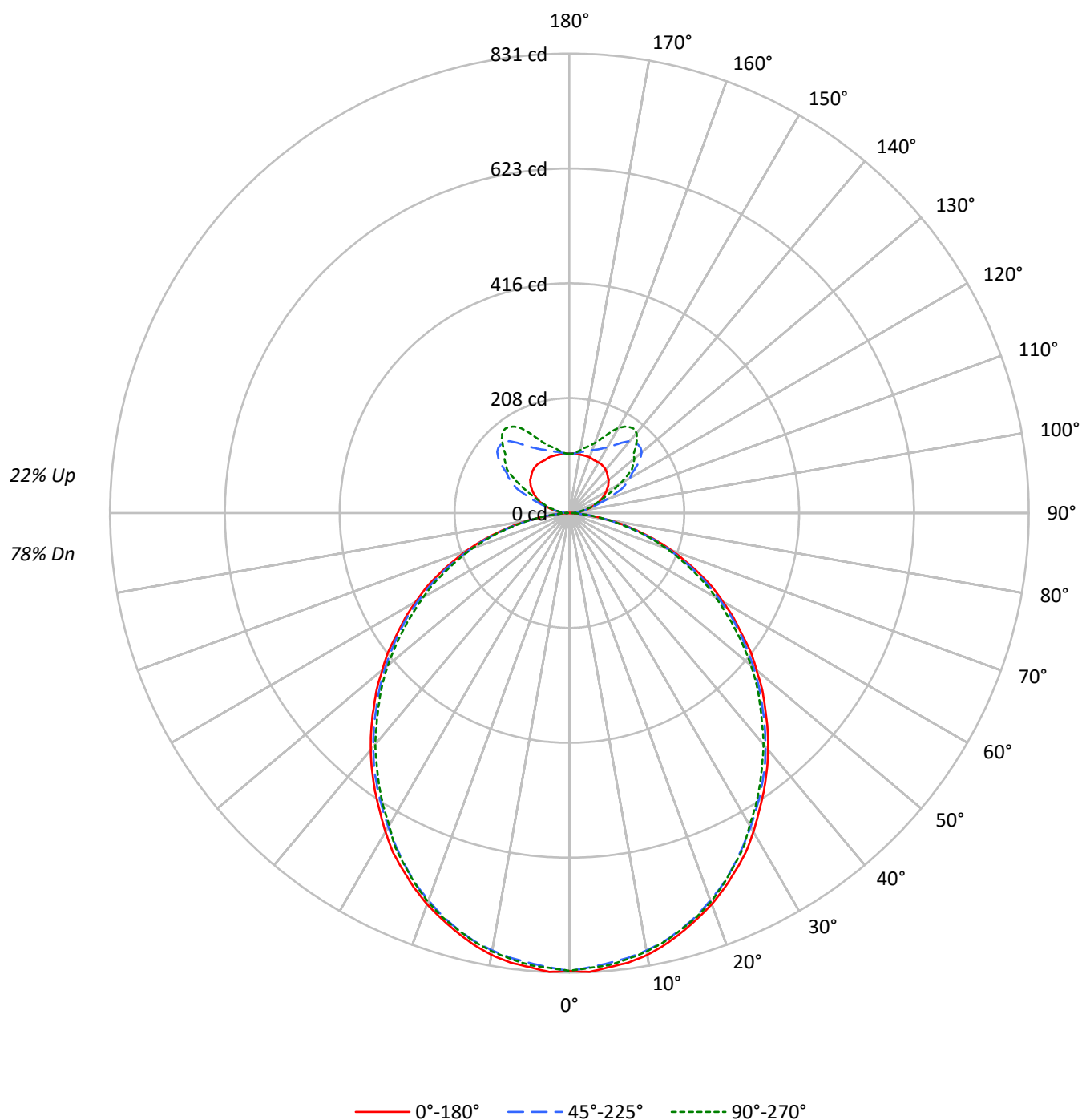
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274887

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P274887

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

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	49	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°	6684	6684	6684
5°	6681	6621	6651
10°	6652	6584	6600
15°	6560	6514	6522
20°	6467	6404	6428
25°	6346	6264	6272
30°	6204	6110	6076
35°	6043	5971	5917
40°	5892	5814	5756
45°	5722	5629	5566
50°	5546	5465	5384
55°	5350	5285	5156
60°	5173	5070	4936
65°	4963	4841	4682
70°	4638	4485	4400
75°	4124	3980	3952
80°	3329	3245	3245
85°	2038	2214	2214



TEST NUMBER: P274887

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	2.9
10°-20°	220.6	8.1
20°-30°	325.2	11.9
30°-40°	379.6	13.9
40°-50°	381.3	14.0
50°-60°	335.5	12.3
60°-70°	249.9	9.2
70°-80°	136.7	5.0
80°-90°	31.1	1.1
90°-100°	15.9	0.6
100°-110°	50.0	1.8
110°-120°	93.9	3.4
120°-130°	118.3	4.3
130°-140°	116.5	4.3
140°-150°	94.1	3.4
150°-160°	60.5	2.2
160°-170°	33.1	1.2
170°-180°	10.5	0.4
0°-30°	623.8	22.8
0°-40°	1003.4	36.7
0°-60°	1720.1	63.0
0°-90°	2137.8	78.3
90°-120°	159.8	5.9
90°-150°	488.7	17.9
90°-180°	593.0	21.7
0°-180°	2730.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	824	822	817	823	821	78
15°	785	786	779	783	780	221
25°	712	708	703	705	704	328
35°	613	612	606	602	600	384
45°	501	500	493	488	488	387
55°	380	382	376	369	366	341
65°	260	258	253	247	245	257
75°	132	130	128	128	127	140
85°	22	23	24	25	24	29
90°	1	2	3	4	3	2
95°	15	14	14	15	16	15
105°	41	66	43	42	40	44
115°	66	131	105	79	73	65
125°	85	136	149	138	138	76
135°	97	121	175	176	170	75
145°	105	118	152	184	190	66
155°	106	115	128	146	154	49
165°	107	110	116	121	124	30
175°	108	108	108	110	109	10
180°	107	107	107	107	107	



TEST NUMBER: P274887

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.0	828.0	828.0	828.0	828.0
2.5°	830.8	826.2	822.5	827.1	823.4
5°	824.4	822.5	817.0	823.4	820.7
7.5°	819.8	817.0	811.5	817.0	813.3
10°	811.5	809.7	803.2	806.9	805.1
12.5°	799.6	799.6	793.2	796.8	794.1
15°	784.9	785.8	779.4	783.1	780.3
17.5°	769.3	770.2	763.8	767.4	765.6
20°	752.8	750.0	745.4	748.2	748.2
22.5°	733.5	729.8	726.1	726.1	727.1
25°	712.4	707.8	703.2	705.0	704.1
27.5°	691.3	685.7	679.3	682.1	682.1
30°	665.5	661.9	655.5	657.3	651.8
32.5°	638.9	637.1	630.7	629.7	627.0
35°	613.2	612.3	605.9	602.2	600.4
37.5°	586.6	586.6	580.2	576.5	572.8
40°	559.1	557.2	551.7	547.1	546.2
42.5°	530.6	529.7	523.3	517.8	515.9
45°	501.2	500.3	493.0	487.5	487.5
47.5°	472.8	470.0	464.5	458.1	459.0
50°	441.6	441.6	435.1	429.6	428.7
52.5°	414.0	411.3	404.8	401.2	397.5
55°	380.1	381.9	375.5	369.0	366.3
57.5°	351.6	351.6	346.1	338.7	335.1
60°	320.4	320.4	314.0	309.4	305.7
62.5°	291.9	290.1	283.7	278.2	277.2
65°	259.8	258.0	253.4	246.9	245.1
67.5°	226.7	225.8	220.3	216.6	215.7
70°	196.5	193.7	190.0	187.3	186.4
72.5°	164.3	161.6	159.7	157.0	157.0
75°	132.2	130.4	127.6	127.6	126.7
77.5°	101.9	100.1	100.1	98.2	96.4
80°	71.6	72.5	69.8	69.8	69.8
82.5°	45.0	45.9	44.1	44.1	44.1
85°	22.0	22.9	23.9	24.8	23.9
87.5°	6.4	8.3	10.1	11.0	10.1
90°	0.9	1.8	2.8	3.7	2.8
92.5°	7.3	8.3	10.1	11.0	11.0
95°	14.7	13.8	13.8	14.7	15.6
97.5°	21.1	22.0	17.4	18.4	18.4
100°	28.5	34.9	26.6	22.0	22.0
102.5°	34.9	50.5	34.9	30.3	27.5
105°	41.3	66.1	43.1	42.2	39.5
107.5°	47.7	80.8	55.1	45.0	45.0
110°	55.1	98.2	69.8	55.1	51.4



TEST NUMBER: P274887

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	60.6	117.5	86.3	65.2	61.5
115°	66.1	131.3	104.7	78.9	73.4
117.5°	71.6	137.7	116.6	96.4	88.1
120°	76.2	140.5	126.7	113.8	104.7
122.5°	80.8	139.5	134.0	129.4	122.1
125°	85.4	135.9	148.7	137.7	137.7
127.5°	89.0	130.4	161.6	146.0	145.0
130°	92.7	125.8	170.7	150.6	153.3
132.5°	94.6	123.0	174.4	163.4	157.0
135°	97.3	121.2	175.3	176.3	169.8
137.5°	100.1	121.2	173.5	184.5	180.8
140°	101.9	120.3	169.8	188.2	189.1
142.5°	103.7	118.4	161.6	187.3	191.9
145°	104.7	117.5	152.4	183.6	190.0
147.5°	105.6	116.6	144.1	177.2	185.4
150°	105.6	115.7	137.7	168.0	178.1
152.5°	105.6	114.7	132.2	156.1	167.1
155°	105.6	114.7	127.6	146.0	154.2
157.5°	106.5	112.9	123.9	137.7	143.2
160°	107.4	112.0	121.2	131.3	134.9
162.5°	107.4	111.1	118.4	125.8	128.5
165°	107.4	110.2	115.7	121.2	123.9
167.5°	107.4	110.2	113.8	118.4	120.3
170°	107.4	109.2	112.0	114.7	115.7
172.5°	107.4	109.2	110.2	112.0	112.0
175°	108.3	108.3	108.3	110.2	109.2
177.5°	108.3	108.3	107.4	108.3	107.4
180°	107.4	107.4	107.4	107.4	107.4

(END OF REPORT)