

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: P274898

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2418.1 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

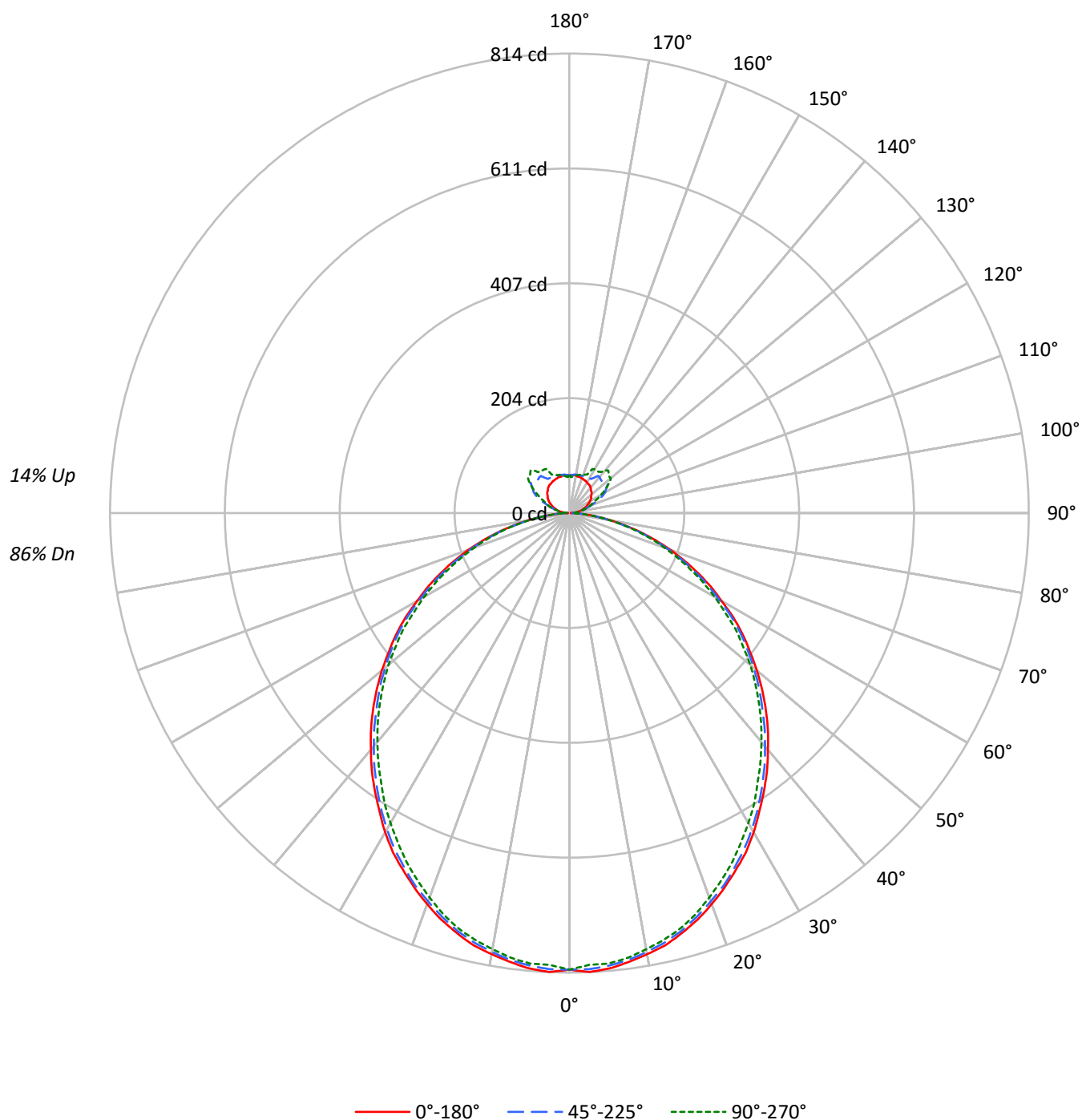
Input Watts (W): 26.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274898

CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P274898

CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4000K)

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
RCR																	
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6529	6529	6529
5°	6564	6523	6491
10°	6504	6472	6430
15°	6439	6407	6364
20°	6333	6290	6224
25°	6215	6169	6078
30°	6088	6028	5909
35°	5921	5858	5732
40°	5767	5686	5578
45°	5621	5504	5417
50°	5447	5350	5255
55°	5278	5206	5063
60°	5025	4942	4799
65°	4800	4678	4531
70°	4487	4364	4216
75°	4058	3980	3858
80°	3440	3380	3319
85°	2603	2714	2603



TEST NUMBER: P274898

CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	3.2
10°-20°	215.2	8.9
20°-30°	317.4	13.1
30°-40°	370.0	15.3
40°-50°	372.0	15.4
50°-60°	327.6	13.5
60°-70°	241.8	10.0
70°-80°	134.0	5.5
80°-90°	34.9	1.4
90°-100°	12.4	0.5
100°-110°	32.0	1.3
110°-120°	51.9	2.1
120°-130°	64.8	2.7
130°-140°	60.9	2.5
140°-150°	48.0	2.0
150°-160°	33.1	1.4
160°-170°	19.5	0.8
170°-180°	6.4	0.3
0°-30°	608.8	25.2
0°-40°	978.8	40.5
0°-60°	1678.4	69.4
0°-90°	2089.1	86.4
90°-120°	96.3	4.0
90°-150°	270.0	11.2
90°-180°	329.0	13.6
0°-180°	2418.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	810	801	805	802	801	77
15°	770	763	767	763	762	217
25°	698	691	693	684	682	322
35°	601	596	594	584	582	376
45°	492	487	482	476	474	379
55°	375	371	370	362	360	334
65°	251	249	245	240	237	249
75°	130	129	128	124	124	138
85°	28	29	29	28	28	33
90°	3	5	5	5	5	3
95°	9	10	12	12	12	9
105°	24	33	29	32	29	26
115°	36	57	59	51	50	36
125°	47	65	80	83	82	42
135°	55	61	80	100	98	42
145°	61	64	76	88	89	38
155°	64	66	70	75	75	30
165°	66	66	70	71	70	19
175°	68	68	68	68	65	6
180°	66	66	66	66	66	



TEST NUMBER: P274898

CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	808.7	808.7	808.7	808.7	808.7
2.5°	813.8	804.9	808.7	806.1	801.0
5°	810.0	801.0	804.9	802.3	801.0
7.5°	802.3	794.6	798.5	795.9	794.6
10°	793.4	785.7	789.5	785.7	784.4
12.5°	784.4	775.5	779.3	774.2	774.2
15°	770.4	762.8	766.6	762.8	761.5
17.5°	755.1	747.5	750.0	746.2	744.9
20°	737.2	729.6	732.1	727.0	724.5
22.5°	718.1	711.7	714.3	705.4	704.1
25°	697.7	691.3	692.6	683.7	682.4
27.5°	677.3	668.4	670.9	660.7	658.2
30°	653.1	645.4	646.7	636.5	633.9
32.5°	626.3	621.2	621.2	611.0	609.7
35°	600.8	595.7	594.4	584.2	581.6
37.5°	575.3	568.9	567.6	556.1	556.1
40°	547.2	542.1	539.5	530.6	529.3
42.5°	520.4	514.0	511.5	502.6	502.6
45°	492.3	487.2	482.1	475.8	474.5
47.5°	463.0	457.9	455.4	447.7	446.4
50°	433.7	429.8	426.0	419.6	418.4
52.5°	403.1	400.5	398.0	391.6	387.8
55°	375.0	371.2	369.9	362.2	359.7
57.5°	344.4	340.6	339.3	330.4	326.5
60°	311.2	307.4	306.1	298.5	297.2
62.5°	281.9	278.1	275.5	270.4	267.9
65°	251.3	248.7	244.9	239.8	237.2
67.5°	220.7	218.1	214.3	210.5	207.9
70°	190.1	187.5	184.9	179.8	178.6
72.5°	159.4	156.9	154.3	151.8	151.8
75°	130.1	128.8	127.6	123.7	123.7
77.5°	100.8	99.5	98.2	96.9	96.9
80°	74.0	74.0	72.7	71.4	71.4
82.5°	49.7	49.7	49.7	48.5	48.5
85°	28.1	29.3	29.3	28.1	28.1
87.5°	11.5	11.5	11.5	11.5	11.5
90°	2.6	5.1	5.1	5.1	5.1
92.5°	5.1	6.4	7.7	8.9	7.7
95°	8.9	10.2	11.5	11.5	11.5
97.5°	14.0	15.3	15.3	15.3	15.3
100°	17.9	20.4	19.1	20.4	19.1
102.5°	21.7	26.8	26.8	24.2	24.2
105°	24.2	33.2	29.3	31.9	29.3
107.5°	26.8	40.8	34.4	35.7	37.0
110°	30.6	45.9	42.1	38.3	39.5



TEST NUMBER: P274898

CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	33.2	56.1	49.7	44.6	43.4
115°	35.7	57.4	58.7	51.0	49.7
117.5°	39.5	57.4	66.3	59.9	57.4
120°	42.1	61.2	72.7	67.6	65.1
122.5°	44.6	63.8	76.5	76.5	74.0
125°	47.2	65.1	80.4	82.9	81.6
127.5°	48.5	61.2	86.7	90.6	89.3
130°	51.0	58.7	85.5	91.8	95.7
132.5°	53.6	59.9	82.9	93.1	95.7
135°	54.8	61.2	80.4	99.5	98.2
137.5°	56.1	62.5	81.6	95.7	102.0
140°	58.7	62.5	82.9	90.6	98.2
142.5°	59.9	63.8	82.9	86.7	91.8
145°	61.2	63.8	76.5	88.0	89.3
147.5°	61.2	65.1	71.4	89.3	89.3
150°	62.5	65.1	71.4	89.3	89.3
152.5°	63.8	66.3	70.2	77.8	88.0
155°	63.8	66.3	70.2	75.3	75.3
157.5°	65.1	66.3	70.2	74.0	74.0
160°	65.1	66.3	70.2	72.7	71.4
162.5°	66.3	66.3	68.9	71.4	70.2
165°	66.3	66.3	70.2	71.4	70.2
167.5°	66.3	67.6	68.9	70.2	68.9
170°	67.6	67.6	68.9	68.9	67.6
172.5°	67.6	67.6	68.9	67.6	66.3
175°	67.6	67.6	67.6	67.6	65.1
177.5°	67.6	66.3	67.6	66.3	63.8
180°	66.3	66.3	66.3	66.3	66.3

(END OF REPORT)