

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: P274886

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274886
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-30L82765-1D-UNV-W2A-DLED-W-4 (6500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
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: 2861.8 lumens
Efficiency: N/A
Efficacy: 106.4 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

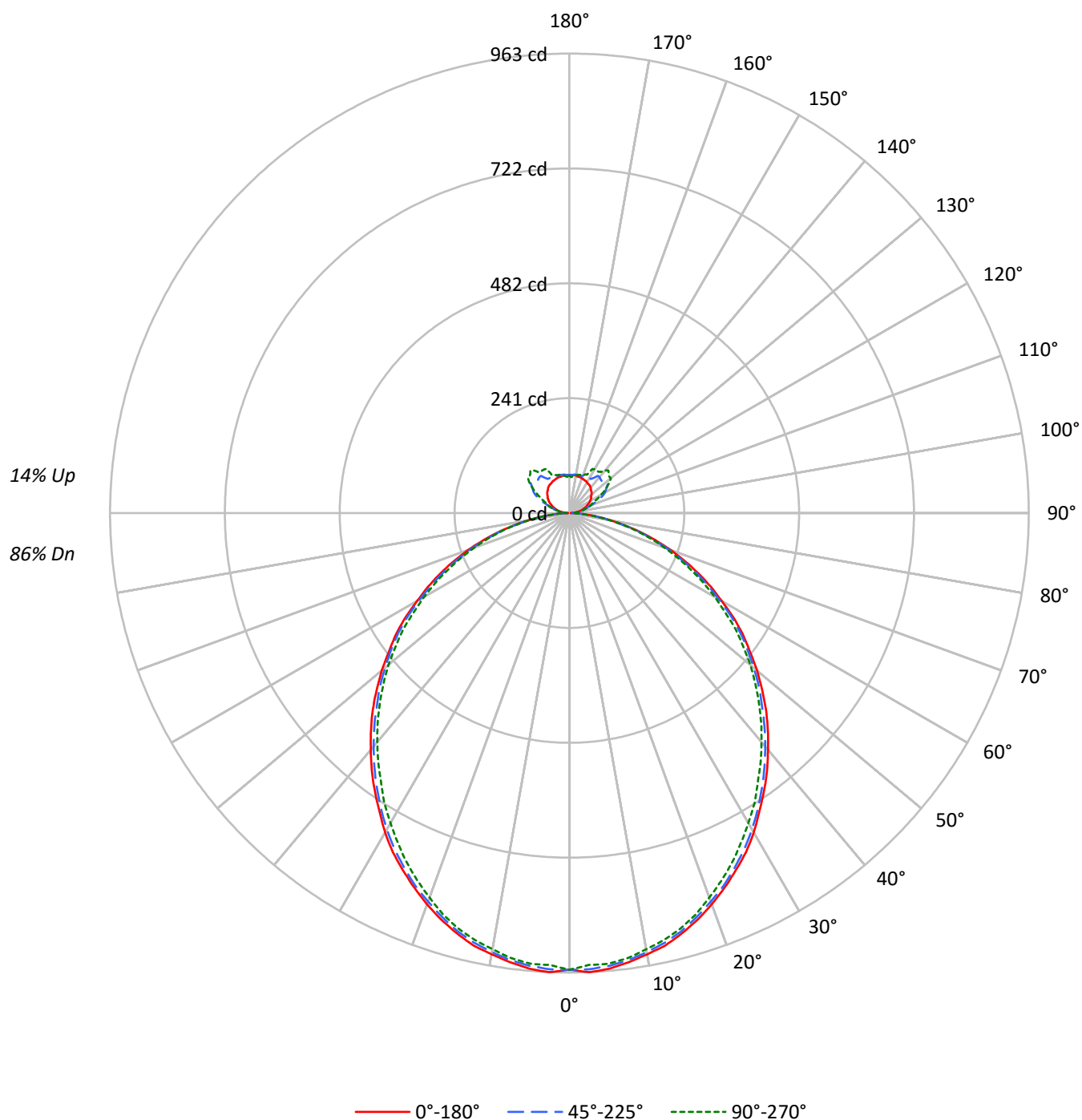
Input Watts (W): 26.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274886

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

Luminous Intensity Polar Plot





TEST NUMBER: P274886

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7726	7726	7726
5°	7768	7719	7682
10°	7697	7660	7611
15°	7621	7582	7532
20°	7496	7444	7366
25°	7355	7301	7194
30°	7205	7134	6993
35°	7007	6932	6783
40°	6825	6729	6602
45°	6653	6514	6411
50°	6445	6332	6218
55°	6246	6162	5992
60°	5947	5850	5679
65°	5681	5536	5364
70°	5308	5167	4987
75°	4803	4710	4566
80°	4073	3998	3928
85°	3075	3214	3075



TEST NUMBER: P274886

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.2
10°-20°	254.7	8.9
20°-30°	375.7	13.1
30°-40°	437.9	15.3
40°-50°	440.2	15.4
50°-60°	387.7	13.5
60°-70°	286.2	10.0
70°-80°	158.6	5.5
80°-90°	41.3	1.4
90°-100°	14.7	0.5
100°-110°	37.8	1.3
110°-120°	61.4	2.1
120°-130°	76.7	2.7
130°-140°	72.1	2.5
140°-150°	56.8	2.0
150°-160°	39.2	1.4
160°-170°	23.1	0.8
170°-180°	7.6	0.3
0°-30°	720.5	25.2
0°-40°	1158.4	40.5
0°-60°	1986.3	69.4
0°-90°	2472.4	86.4
90°-120°	113.9	4.0
90°-150°	319.6	11.2
90°-180°	389.0	13.6
0°-180°	2861.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	957	957	957	957	957	
5°	959	948	952	950	948	91
15°	912	903	907	903	901	257
25°	826	818	820	809	808	381
35°	711	705	703	691	688	445
45°	583	577	571	563	562	449
55°	444	439	438	429	426	396
65°	297	294	290	284	281	294
75°	154	152	151	146	146	163
85°	33	35	35	33	33	39
90°	3	6	6	6	6	4
95°	11	12	14	14	14	11
105°	29	39	35	38	35	30
115°	42	68	69	60	59	42
125°	56	77	95	98	97	50
135°	65	72	95	118	116	50
145°	72	76	91	104	106	45
155°	76	78	83	89	89	35
165°	78	78	83	84	83	22
175°	80	80	80	80	77	8
180°	78	78	78	78	78	



TEST NUMBER: P274886

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	957.0	957.0	957.0	957.0	957.0
2.5°	963.1	952.5	957.0	954.0	948.0
5°	958.6	948.0	952.5	949.5	948.0
7.5°	949.5	940.4	945.0	941.9	940.4
10°	938.9	929.9	934.4	929.9	928.4
12.5°	928.4	917.8	922.3	916.3	916.3
15°	911.8	902.7	907.2	902.7	901.2
17.5°	893.6	884.6	887.6	883.1	881.6
20°	872.5	863.5	866.5	860.4	857.4
22.5°	849.9	842.3	845.3	834.8	833.3
25°	825.7	818.2	819.7	809.1	807.6
27.5°	801.6	791.0	794.0	781.9	778.9
30°	772.9	763.8	765.3	753.3	750.2
32.5°	741.2	735.1	735.1	723.1	721.6
35°	711.0	705.0	703.4	691.4	688.3
37.5°	680.8	673.3	671.7	658.2	658.2
40°	647.6	641.6	638.5	628.0	626.5
42.5°	615.9	608.3	605.3	594.8	594.8
45°	582.7	576.6	570.6	563.1	561.5
47.5°	548.0	541.9	538.9	529.8	528.3
50°	513.2	508.7	504.2	496.6	495.1
52.5°	477.0	474.0	471.0	463.4	458.9
55°	443.8	439.3	437.8	428.7	425.7
57.5°	407.6	403.0	401.5	391.0	386.4
60°	368.3	363.8	362.3	353.2	351.7
62.5°	333.6	329.1	326.1	320.0	317.0
65°	297.4	294.4	289.8	283.8	280.8
67.5°	261.1	258.1	253.6	249.1	246.1
70°	224.9	221.9	218.9	212.8	211.3
72.5°	188.7	185.7	182.7	179.6	179.6
75°	154.0	152.5	151.0	146.4	146.4
77.5°	119.3	117.7	116.2	114.7	114.7
80°	87.6	87.6	86.0	84.5	84.5
82.5°	58.9	58.9	58.9	57.4	57.4
85°	33.2	34.7	34.7	33.2	33.2
87.5°	13.6	13.6	13.6	13.6	13.6
90°	3.0	6.0	6.0	6.0	6.0
92.5°	6.0	7.5	9.1	10.6	9.1
95°	10.6	12.1	13.6	13.6	13.6
97.5°	16.6	18.1	18.1	18.1	18.1
100°	21.1	24.2	22.6	24.2	22.6
102.5°	25.7	31.7	31.7	28.7	28.7
105°	28.7	39.2	34.7	37.7	34.7
107.5°	31.7	48.3	40.8	42.3	43.8
110°	36.2	54.3	49.8	45.3	46.8



TEST NUMBER: P274886

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.2	66.4	58.9	52.8	51.3
115°	42.3	67.9	69.4	60.4	58.9
117.5°	46.8	67.9	78.5	70.9	67.9
120°	49.8	72.5	86.0	80.0	77.0
122.5°	52.8	75.5	90.6	90.6	87.6
125°	55.9	77.0	95.1	98.1	96.6
127.5°	57.4	72.5	102.6	107.2	105.7
130°	60.4	69.4	101.1	108.7	113.2
132.5°	63.4	70.9	98.1	110.2	113.2
135°	64.9	72.5	95.1	117.7	116.2
137.5°	66.4	74.0	96.6	113.2	120.8
140°	69.4	74.0	98.1	107.2	116.2
142.5°	70.9	75.5	98.1	102.6	108.7
145°	72.5	75.5	90.6	104.2	105.7
147.5°	72.5	77.0	84.5	105.7	105.7
150°	74.0	77.0	84.5	105.7	105.7
152.5°	75.5	78.5	83.0	92.1	104.2
155°	75.5	78.5	83.0	89.1	89.1
157.5°	77.0	78.5	83.0	87.6	87.6
160°	77.0	78.5	83.0	86.0	84.5
162.5°	78.5	78.5	81.5	84.5	83.0
165°	78.5	78.5	83.0	84.5	83.0
167.5°	78.5	80.0	81.5	83.0	81.5
170°	80.0	80.0	81.5	81.5	80.0
172.5°	80.0	80.0	81.5	80.0	78.5
175°	80.0	80.0	80.0	80.0	77.0
177.5°	80.0	78.5	80.0	78.5	75.5
180°	78.5	78.5	78.5	78.5	78.5

(END OF REPORT)