

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: P274912

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274912
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-40L82765-1D-UNV-W2A-DLED-W-4 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3441.0 lumens
Efficiency: N/A
Efficacy: 94.5 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

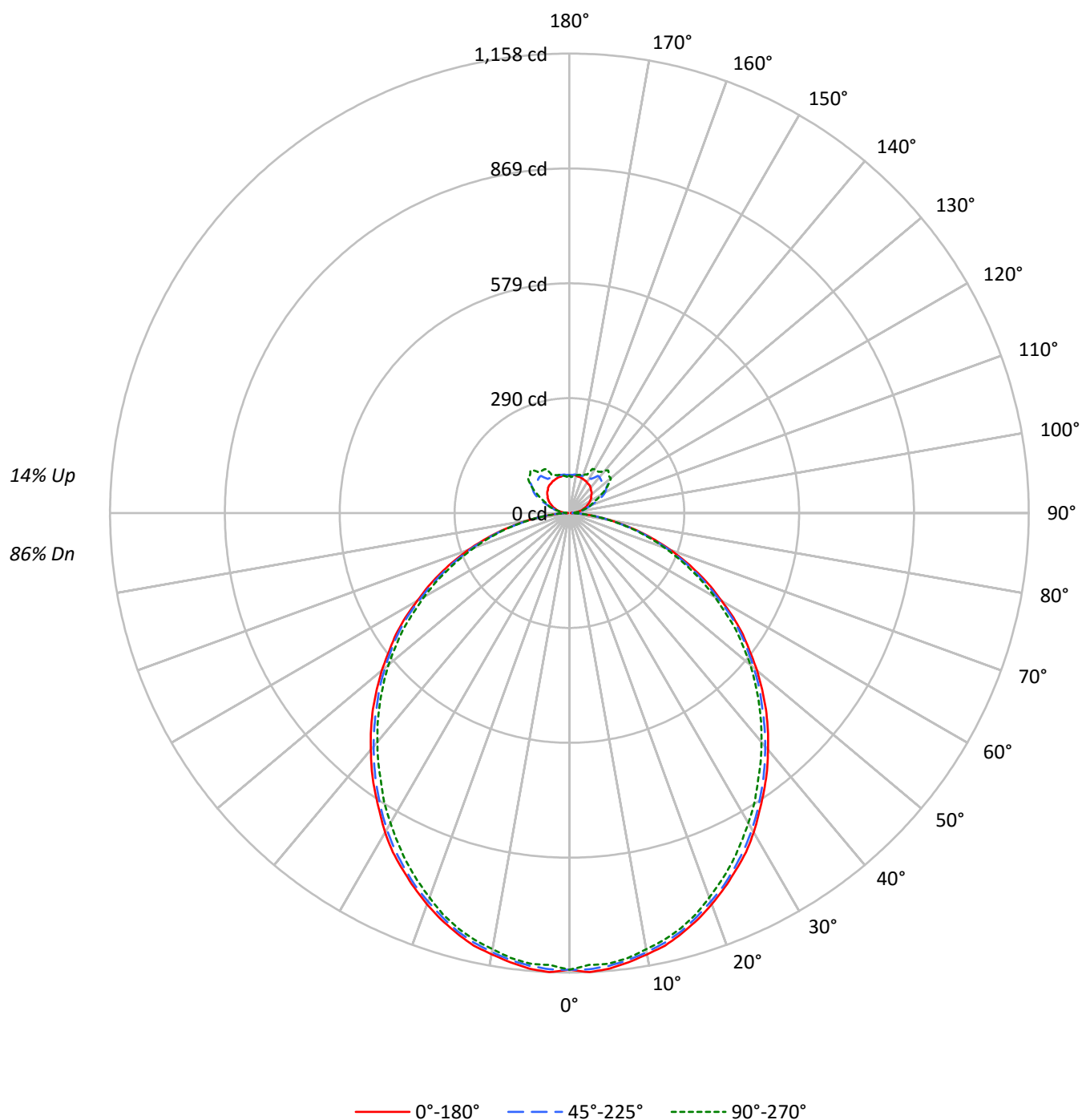
Input Watts (W): 36.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	9290	9290	9290
5°	9340	9281	9238
10°	9255	9210	9151
15°	9163	9117	9056
20°	9013	8951	8857
25°	8843	8779	8650
30°	8663	8578	8409
35°	8425	8336	8157
40°	8206	8091	7939
45°	7999	7833	7709
50°	7750	7613	7477
55°	7510	7409	7205
60°	7151	7033	6828
65°	6831	6657	6449
70°	6382	6212	5998
75°	5774	5661	5493
80°	4895	4812	4723
85°	3696	3863	3696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	3.2
10°-20°	306.3	8.9
20°-30°	451.7	13.1
30°-40°	526.5	15.3
40°-50°	529.4	15.4
50°-60°	466.2	13.5
60°-70°	344.1	10.0
70°-80°	190.7	5.5
80°-90°	49.6	1.4
90°-100°	17.6	0.5
100°-110°	45.5	1.3
110°-120°	73.9	2.1
120°-130°	92.3	2.7
130°-140°	86.7	2.5
140°-150°	68.3	2.0
150°-160°	47.1	1.4
160°-170°	27.8	0.8
170°-180°	9.2	0.3
0°-30°	866.4	25.2
0°-40°	1392.9	40.5
0°-60°	2388.4	69.4
0°-90°	2972.8	86.4
90°-120°	137.0	4.0
90°-150°	384.3	11.2
90°-180°	468.0	13.6
0°-180°	3441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1151	1151	1151	1151	1151	
5°	1153	1140	1145	1142	1140	109
15°	1096	1085	1091	1085	1084	309
25°	993	984	986	973	971	458
35°	855	848	846	831	828	535
45°	701	693	686	677	675	540
55°	534	528	526	516	512	476
65°	358	354	348	341	338	354
75°	185	183	182	176	176	196
85°	40	42	42	40	40	47
90°	4	7	7	7	7	4
95°	13	14	16	16	16	13
105°	34	47	42	45	42	36
115°	51	82	84	73	71	51
125°	67	93	114	118	116	60
135°	78	87	114	142	140	60
145°	87	91	109	125	127	54
155°	91	94	100	107	107	42
165°	94	94	100	102	100	27
175°	96	96	96	96	93	9
180°	94	94	94	94	94	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1150.8	1150.8	1150.8	1150.8	1150.8
2.5°	1158.0	1145.3	1150.8	1147.1	1139.9
5°	1152.6	1139.9	1145.3	1141.7	1139.9
7.5°	1141.7	1130.8	1136.2	1132.6	1130.8
10°	1129.0	1118.1	1123.5	1118.1	1116.3
12.5°	1116.3	1103.6	1109.0	1101.7	1101.7
15°	1096.3	1085.4	1090.9	1085.4	1083.6
17.5°	1074.5	1063.6	1067.3	1061.8	1060.0
20°	1049.1	1038.2	1041.9	1034.6	1031.0
22.5°	1021.9	1012.8	1016.4	1003.7	1001.9
25°	992.8	983.8	985.6	972.9	971.1
27.5°	963.8	951.1	954.7	940.2	936.6
30°	929.3	918.4	920.2	905.7	902.1
32.5°	891.2	883.9	883.9	869.4	867.6
35°	854.9	847.6	845.8	831.3	827.7
37.5°	818.6	809.5	807.7	791.4	791.4
40°	778.7	771.4	767.8	755.1	753.3
42.5°	740.5	731.5	727.8	715.1	715.1
45°	700.6	693.4	686.1	677.0	675.2
47.5°	658.9	651.6	648.0	637.1	635.3
50°	617.1	611.7	606.2	597.2	595.3
52.5°	573.6	569.9	566.3	557.2	551.8
55°	533.6	528.2	526.4	515.5	511.9
57.5°	490.1	484.6	482.8	470.1	464.7
60°	442.9	437.4	435.6	424.7	422.9
62.5°	401.1	395.7	392.1	384.8	381.2
65°	357.6	353.9	348.5	341.2	337.6
67.5°	314.0	310.4	304.9	299.5	295.9
70°	270.4	266.8	263.2	255.9	254.1
72.5°	226.9	223.3	219.6	216.0	216.0
75°	185.1	183.3	181.5	176.1	176.1
77.5°	143.4	141.6	139.8	137.9	137.9
80°	105.3	105.3	103.5	101.6	101.6
82.5°	70.8	70.8	70.8	69.0	69.0
85°	39.9	41.7	41.7	39.9	39.9
87.5°	16.3	16.3	16.3	16.3	16.3
90°	3.6	7.3	7.3	7.3	7.3
92.5°	7.3	9.1	10.9	12.7	10.9
95°	12.7	14.5	16.3	16.3	16.3
97.5°	20.0	21.8	21.8	21.8	21.8
100°	25.4	29.0	27.2	29.0	27.2
102.5°	30.9	38.1	38.1	34.5	34.5
105°	34.5	47.2	41.7	45.4	41.7
107.5°	38.1	58.1	49.0	50.8	52.6
110°	43.6	65.3	59.9	54.5	56.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	47.2	79.9	70.8	63.5	61.7
115°	50.8	81.7	83.5	72.6	70.8
117.5°	56.3	81.7	94.4	85.3	81.7
120°	59.9	87.1	103.5	96.2	92.6
122.5°	63.5	90.8	108.9	108.9	105.3
125°	67.2	92.6	114.3	118.0	116.2
127.5°	69.0	87.1	123.4	128.9	127.1
130°	72.6	83.5	121.6	130.7	136.1
132.5°	76.2	85.3	118.0	132.5	136.1
135°	78.0	87.1	114.3	141.6	139.8
137.5°	79.9	88.9	116.2	136.1	145.2
140°	83.5	88.9	118.0	128.9	139.8
142.5°	85.3	90.8	118.0	123.4	130.7
145°	87.1	90.8	108.9	125.2	127.1
147.5°	87.1	92.6	101.6	127.1	127.1
150°	88.9	92.6	101.6	127.1	127.1
152.5°	90.8	94.4	99.8	110.7	125.2
155°	90.8	94.4	99.8	107.1	107.1
157.5°	92.6	94.4	99.8	105.3	105.3
160°	92.6	94.4	99.8	103.5	101.6
162.5°	94.4	94.4	98.0	101.6	99.8
165°	94.4	94.4	99.8	101.6	99.8
167.5°	94.4	96.2	98.0	99.8	98.0
170°	96.2	96.2	98.0	98.0	96.2
172.5°	96.2	96.2	98.0	96.2	94.4
175°	96.2	96.2	96.2	96.2	92.6
177.5°	96.2	94.4	96.2	94.4	90.8
180°	94.4	94.4	94.4	94.4	94.4

(END OF REPORT)