

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: P274917

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3801.9 lumens
Efficiency: N/A
Efficacy: 100.8 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

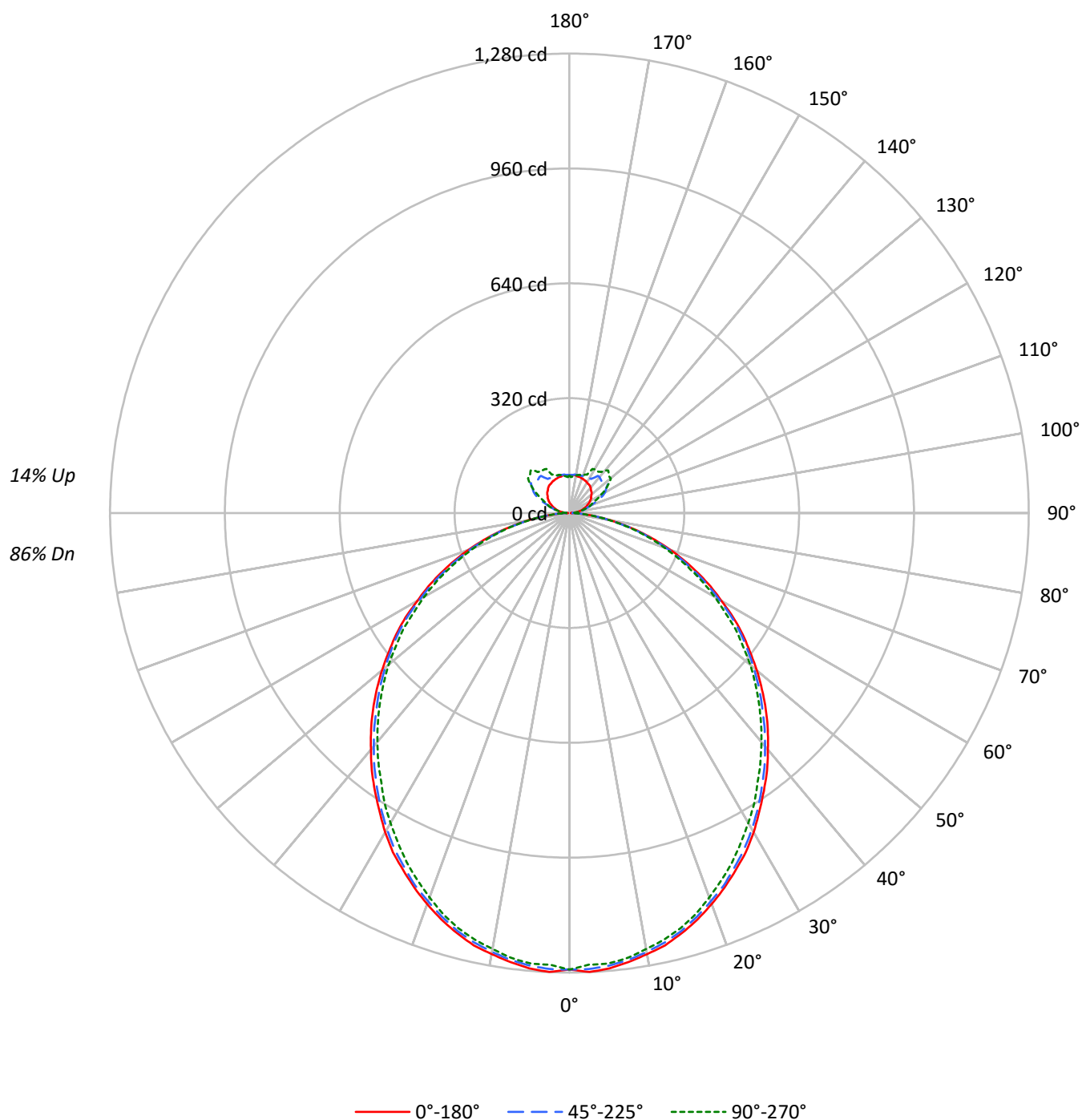
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	86							
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76	73							
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61							
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54	52							
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44							
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38							
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34							
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32	30							
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29	27							
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26	24							
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24	22							

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10264	10264	10264
5°	10319	10255	10206
10°	10226	10176	10110
15°	10124	10074	10006
20°	9958	9889	9786
25°	9772	9699	9557
30°	9572	9478	9291
35°	9309	9210	9013
40°	9066	8940	8771
45°	8838	8655	8517
50°	8563	8412	8261
55°	8298	8186	7959
60°	7900	7771	7545
65°	7547	7354	7125
70°	7053	6864	6628
75°	6382	6254	6067
80°	5407	5314	5221
85°	4085	4270	4085



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	3.2
10°-20°	338.4	8.9
20°-30°	499.1	13.1
30°-40°	581.7	15.3
40°-50°	584.9	15.4
50°-60°	515.0	13.5
60°-70°	380.2	10.0
70°-80°	210.6	5.5
80°-90°	54.8	1.4
90°-100°	19.5	0.5
100°-110°	50.3	1.3
110°-120°	81.6	2.1
120°-130°	101.9	2.7
130°-140°	95.8	2.5
140°-150°	75.5	2.0
150°-160°	52.0	1.4
160°-170°	30.7	0.8
170°-180°	10.1	0.3
0°-30°	957.2	25.2
0°-40°	1539.0	40.5
0°-60°	2638.9	69.4
0°-90°	3284.5	86.4
90°-120°	151.3	4.0
90°-150°	424.6	11.2
90°-180°	517.0	13.6
0°-180°	3801.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1273	1259	1265	1261	1259	121
15°	1211	1199	1205	1199	1197	341
25°	1097	1087	1089	1075	1073	506
35°	945	936	934	918	914	591
45°	774	766	758	748	746	597
55°	590	584	582	570	566	526
65°	395	391	385	377	373	391
75°	205	202	200	194	194	216
85°	44	46	46	44	44	52
90°	4	8	8	8	8	5
95°	14	16	18	18	18	15
105°	38	52	46	50	46	40
115°	56	90	92	80	78	56
125°	74	102	126	130	128	66
135°	86	96	126	156	154	67
145°	96	100	120	138	140	60
155°	100	104	110	118	118	47
165°	104	104	110	112	110	30
175°	106	106	106	106	102	10
180°	104	104	104	104	104	



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CATALOG NUMBER: J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1271.4	1271.4	1271.4	1271.4	1271.4
2.5°	1279.5	1265.4	1271.4	1267.4	1259.4
5°	1273.4	1259.4	1265.4	1261.4	1259.4
7.5°	1261.4	1249.4	1255.4	1251.4	1249.4
10°	1247.4	1235.3	1241.4	1235.3	1233.3
12.5°	1233.3	1219.3	1225.3	1217.3	1217.3
15°	1211.3	1199.2	1205.3	1199.2	1197.2
17.5°	1187.2	1175.2	1179.2	1173.2	1171.2
20°	1159.1	1147.1	1151.1	1143.1	1139.1
22.5°	1129.1	1119.0	1123.0	1109.0	1107.0
25°	1097.0	1086.9	1088.9	1074.9	1072.9
27.5°	1064.9	1050.8	1054.9	1038.8	1034.8
30°	1026.8	1014.7	1016.8	1000.7	996.7
32.5°	984.7	976.6	976.6	960.6	958.6
35°	944.6	936.5	934.5	918.5	914.5
37.5°	904.4	894.4	892.4	874.4	874.4
40°	860.3	852.3	848.3	834.3	832.3
42.5°	818.2	808.2	804.2	790.1	790.1
45°	774.1	766.1	758.1	748.0	746.0
47.5°	728.0	719.9	715.9	703.9	701.9
50°	681.8	675.8	669.8	659.8	657.8
52.5°	633.7	629.7	625.7	615.7	609.6
55°	589.6	583.6	581.6	569.5	565.5
57.5°	541.5	535.4	533.4	519.4	513.4
60°	489.3	483.3	481.3	469.3	467.3
62.5°	443.2	437.2	433.2	425.2	421.1
65°	395.1	391.1	385.0	377.0	373.0
67.5°	346.9	342.9	336.9	330.9	326.9
70°	298.8	294.8	290.8	282.8	280.8
72.5°	250.7	246.7	242.7	238.6	238.6
75°	204.6	202.5	200.5	194.5	194.5
77.5°	158.4	156.4	154.4	152.4	152.4
80°	116.3	116.3	114.3	112.3	112.3
82.5°	78.2	78.2	78.2	76.2	76.2
85°	44.1	46.1	46.1	44.1	44.1
87.5°	18.0	18.0	18.0	18.0	18.0
90°	4.0	8.0	8.0	8.0	8.0
92.5°	8.0	10.0	12.0	14.0	12.0
95°	14.0	16.0	18.0	18.0	18.0
97.5°	22.1	24.1	24.1	24.1	24.1
100°	28.1	32.1	30.1	32.1	30.1
102.5°	34.1	42.1	42.1	38.1	38.1
105°	38.1	52.1	46.1	50.1	46.1
107.5°	42.1	64.2	54.1	56.2	58.2
110°	48.1	72.2	66.2	60.2	62.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	52.1	88.2	78.2	70.2	68.2
115°	56.2	90.2	92.2	80.2	78.2
117.5°	62.2	90.2	104.3	94.3	90.2
120°	66.2	96.3	114.3	106.3	102.3
122.5°	70.2	100.3	120.3	120.3	116.3
125°	74.2	102.3	126.3	130.4	128.3
127.5°	76.2	96.3	136.4	142.4	140.4
130°	80.2	92.2	134.4	144.4	150.4
132.5°	84.2	94.3	130.4	146.4	150.4
135°	86.2	96.3	126.3	156.4	154.4
137.5°	88.2	98.3	128.3	150.4	160.4
140°	92.2	98.3	130.4	142.4	154.4
142.5°	94.3	100.3	130.4	136.4	144.4
145°	96.3	100.3	120.3	138.4	140.4
147.5°	96.3	102.3	112.3	140.4	140.4
150°	98.3	102.3	112.3	140.4	140.4
152.5°	100.3	104.3	110.3	122.3	138.4
155°	100.3	104.3	110.3	118.3	118.3
157.5°	102.3	104.3	110.3	116.3	116.3
160°	102.3	104.3	110.3	114.3	112.3
162.5°	104.3	104.3	108.3	112.3	110.3
165°	104.3	104.3	110.3	112.3	110.3
167.5°	104.3	106.3	108.3	110.3	108.3
170°	106.3	106.3	108.3	108.3	106.3
172.5°	106.3	106.3	108.3	106.3	104.3
175°	106.3	106.3	106.3	106.3	102.3
177.5°	106.3	104.3	106.3	104.3	100.3
180°	104.3	104.3	104.3	104.3	104.3

(END OF REPORT)