

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: P274934

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274934
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-40L92765-1D-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, 90 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3459.3 lumens
Efficiency: N/A
Efficacy: 90.1 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

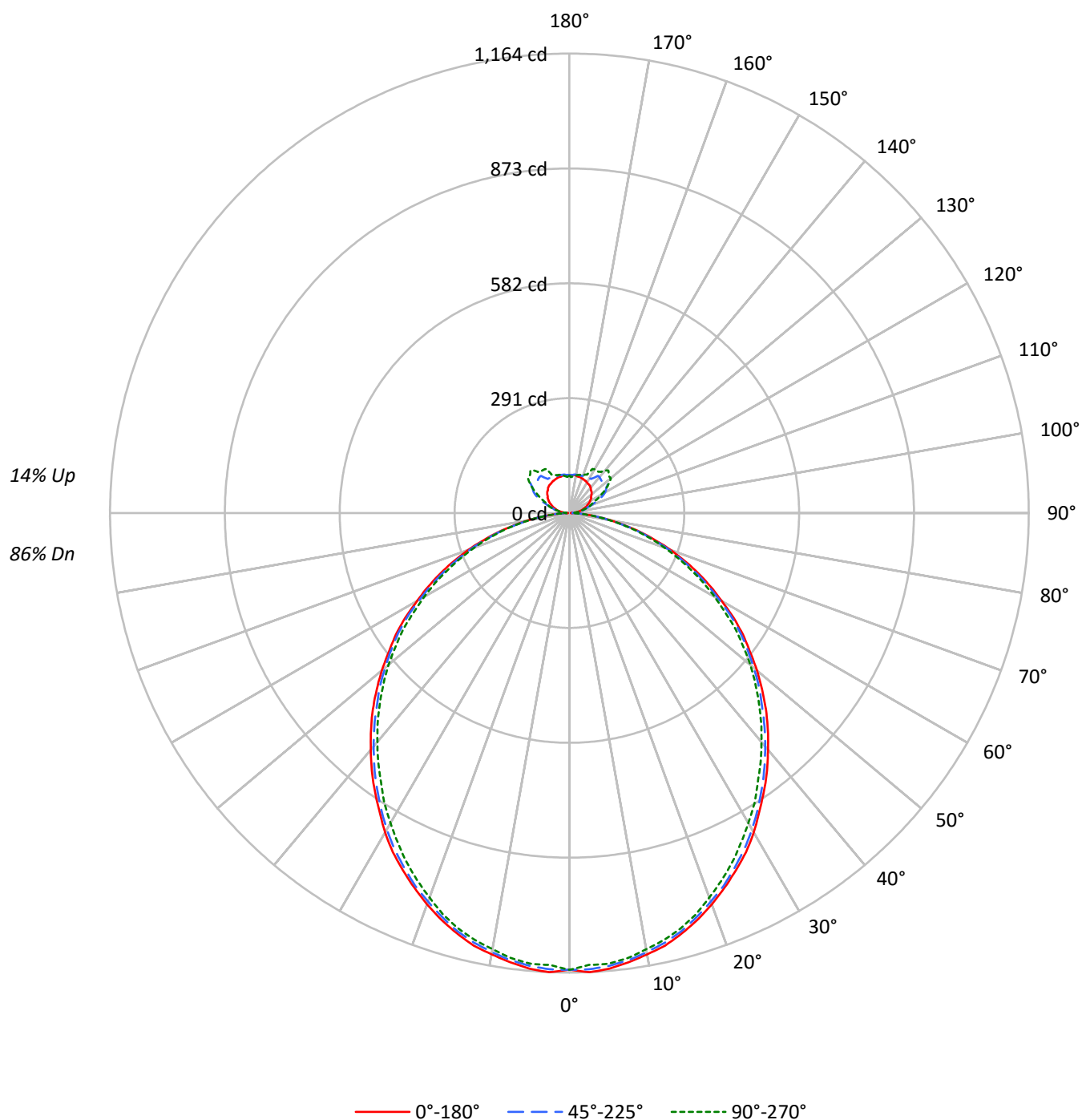
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	9340	9340	9340
5°	9390	9331	9286
10°	9304	9259	9199
15°	9211	9165	9104
20°	9061	8998	8904
25°	8891	8826	8696
30°	8708	8624	8454
35°	8470	8380	8201
40°	8250	8134	7980
45°	8041	7874	7750
50°	7792	7654	7517
55°	7551	7448	7243
60°	7188	7070	6865
65°	6867	6692	6483
70°	6418	6246	6031
75°	5805	5692	5521
80°	4919	4835	4751
85°	3714	3890	3714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	3.2
10°-20°	307.9	8.9
20°-30°	454.1	13.1
30°-40°	529.3	15.3
40°-50°	532.1	15.4
50°-60°	468.6	13.5
60°-70°	345.9	10.0
70°-80°	191.7	5.5
80°-90°	49.9	1.4
90°-100°	17.7	0.5
100°-110°	45.7	1.3
110°-120°	74.3	2.1
120°-130°	92.8	2.7
130°-140°	87.1	2.5
140°-150°	68.7	2.0
150°-160°	47.3	1.4
160°-170°	27.9	0.8
170°-180°	9.2	0.3
0°-30°	871.0	25.2
0°-40°	1400.3	40.5
0°-60°	2401.0	69.4
0°-90°	2988.5	86.4
90°-120°	137.7	4.0
90°-150°	386.3	11.2
90°-180°	471.0	13.6
0°-180°	3459.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1159	1146	1151	1148	1146	110
15°	1102	1091	1097	1091	1089	311
25°	998	989	991	978	976	460
35°	859	852	850	836	832	538
45°	704	697	690	681	679	543
55°	536	531	529	518	515	478
65°	360	356	350	343	339	356
75°	186	184	182	177	177	197
85°	40	42	42	40	40	47
90°	4	7	7	7	7	4
95°	13	15	16	16	16	13
105°	35	47	42	46	42	37
115°	51	82	84	73	71	51
125°	68	93	115	119	117	60
135°	78	88	115	142	140	61
145°	88	91	110	126	128	55
155°	91	95	100	108	108	42
165°	95	95	100	102	100	27
175°	97	97	97	97	93	9
180°	95	95	95	95	95	



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CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1156.9	1156.9	1156.9	1156.9	1156.9
2.5°	1164.2	1151.4	1156.9	1153.2	1145.9
5°	1158.7	1145.9	1151.4	1147.7	1145.9
7.5°	1147.7	1136.8	1142.3	1138.6	1136.8
10°	1135.0	1124.0	1129.5	1124.0	1122.2
12.5°	1122.2	1109.4	1114.9	1107.6	1107.6
15°	1102.1	1091.2	1096.6	1091.2	1089.3
17.5°	1080.2	1069.3	1072.9	1067.4	1065.6
20°	1054.7	1043.7	1047.4	1040.1	1036.4
22.5°	1027.3	1018.2	1021.8	1009.1	1007.2
25°	998.1	989.0	990.8	978.0	976.2
27.5°	968.9	956.1	959.8	945.2	941.5
30°	934.2	923.3	925.1	910.5	906.9
32.5°	895.9	888.6	888.6	874.0	872.2
35°	859.4	852.1	850.3	835.7	832.1
37.5°	822.9	813.8	812.0	795.6	795.6
40°	782.8	775.5	771.8	759.1	757.2
42.5°	744.5	735.3	731.7	718.9	718.9
45°	704.3	697.0	689.7	680.6	678.8
47.5°	662.4	655.1	651.4	640.5	638.6
50°	620.4	614.9	609.4	600.3	598.5
52.5°	576.6	573.0	569.3	560.2	554.7
55°	536.5	531.0	529.2	518.2	514.6
57.5°	492.7	487.2	485.4	472.6	467.1
60°	445.2	439.7	437.9	427.0	425.2
62.5°	403.3	397.8	394.1	386.8	383.2
65°	359.5	355.8	350.3	343.0	339.4
67.5°	315.7	312.0	306.5	301.1	297.4
70°	271.9	268.2	264.6	257.3	255.5
72.5°	228.1	224.4	220.8	217.1	217.1
75°	186.1	184.3	182.5	177.0	177.0
77.5°	144.2	142.3	140.5	138.7	138.7
80°	105.8	105.8	104.0	102.2	102.2
82.5°	71.2	71.2	71.2	69.3	69.3
85°	40.1	42.0	42.0	40.1	40.1
87.5°	16.4	16.4	16.4	16.4	16.4
90°	3.6	7.3	7.3	7.3	7.3
92.5°	7.3	9.1	10.9	12.8	10.9
95°	12.8	14.6	16.4	16.4	16.4
97.5°	20.1	21.9	21.9	21.9	21.9
100°	25.5	29.2	27.4	29.2	27.4
102.5°	31.0	38.3	38.3	34.7	34.7
105°	34.7	47.4	42.0	45.6	42.0
107.5°	38.3	58.4	49.3	51.1	52.9
110°	43.8	65.7	60.2	54.7	56.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	47.4	80.3	71.2	63.9	62.0
115°	51.1	82.1	83.9	73.0	71.2
117.5°	56.6	82.1	94.9	85.8	82.1
120°	60.2	87.6	104.0	96.7	93.1
122.5°	63.9	91.2	109.5	109.5	105.8
125°	67.5	93.1	115.0	118.6	116.8
127.5°	69.3	87.6	124.1	129.6	127.7
130°	73.0	83.9	122.3	131.4	136.9
132.5°	76.6	85.8	118.6	133.2	136.9
135°	78.5	87.6	115.0	142.3	140.5
137.5°	80.3	89.4	116.8	136.9	146.0
140°	83.9	89.4	118.6	129.6	140.5
142.5°	85.8	91.2	118.6	124.1	131.4
145°	87.6	91.2	109.5	125.9	127.7
147.5°	87.6	93.1	102.2	127.7	127.7
150°	89.4	93.1	102.2	127.7	127.7
152.5°	91.2	94.9	100.4	111.3	125.9
155°	91.2	94.9	100.4	107.7	107.7
157.5°	93.1	94.9	100.4	105.8	105.8
160°	93.1	94.9	100.4	104.0	102.2
162.5°	94.9	94.9	98.5	102.2	100.4
165°	94.9	94.9	100.4	102.2	100.4
167.5°	94.9	96.7	98.5	100.4	98.5
170°	96.7	96.7	98.5	98.5	96.7
172.5°	96.7	96.7	98.5	96.7	94.9
175°	96.7	96.7	96.7	96.7	93.1
177.5°	96.7	94.9	96.7	94.9	91.2
180°	94.9	94.9	94.9	94.9	94.9

(END OF REPORT)