

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: P274961

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274961
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-50L92765-1D-UNV-W2A-DLED-W-4 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3948.0 lumens
Efficiency: N/A
Efficacy: 77.7 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

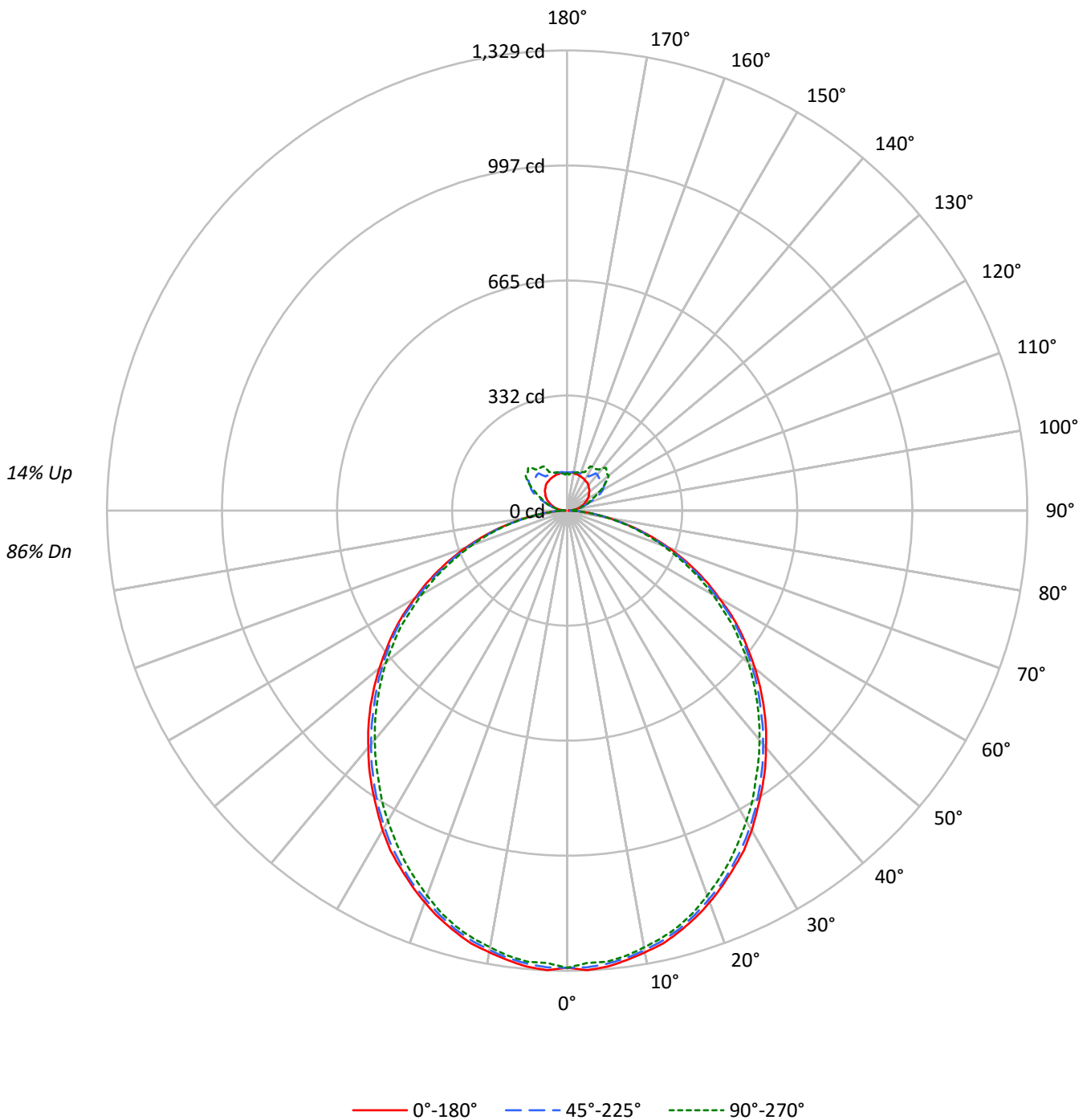
Input Watts (W): 50.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	10659	10659	10659
5°	10716	10649	10598
10°	10618	10567	10499
15°	10512	10461	10390
20°	10341	10269	10162
25°	10147	10073	9924
30°	9939	9842	9648
35°	9667	9564	9359
40°	9415	9283	9107
45°	9177	8987	8845
50°	8892	8736	8579
55°	8618	8500	8266
60°	8204	8070	7834
65°	7838	7637	7398
70°	7324	7128	6880
75°	6625	6494	6301
80°	5616	5518	5421
85°	4242	4437	4242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	3.2
10°-20°	351.4	8.9
20°-30°	518.3	13.1
30°-40°	604.1	15.3
40°-50°	607.3	15.4
50°-60°	534.8	13.5
60°-70°	394.8	10.0
70°-80°	218.7	5.5
80°-90°	56.9	1.4
90°-100°	20.2	0.5
100°-110°	52.2	1.3
110°-120°	84.7	2.1
120°-130°	105.9	2.7
130°-140°	99.4	2.5
140°-150°	78.4	2.0
150°-160°	54.0	1.4
160°-170°	31.9	0.8
170°-180°	10.5	0.3
0°-30°	994.0	25.2
0°-40°	1598.1	40.5
0°-60°	2740.3	69.4
0°-90°	3410.7	86.4
90°-120°	157.2	4.0
90°-150°	440.9	11.2
90°-180°	537.0	13.6
0°-180°	3948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1322	1308	1314	1310	1308	125
15°	1258	1245	1252	1245	1243	354
25°	1139	1129	1131	1116	1114	525
35°	981	972	970	954	950	614
45°	804	796	787	777	775	620
55°	612	606	604	591	587	546
65°	410	406	400	392	387	406
75°	212	210	208	202	202	225
85°	46	48	48	46	46	53
90°	4	8	8	8	8	5
95°	15	17	19	19	19	15
105°	40	54	48	52	48	42
115°	58	94	96	83	81	59
125°	77	106	131	135	133	68
135°	90	100	131	162	160	69
145°	100	104	125	144	146	62
155°	104	108	114	123	123	48
165°	108	108	114	117	114	31
175°	110	110	110	110	106	11
180°	108	108	108	108	108	



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CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1320.3	1320.3	1320.3	1320.3	1320.3
2.5°	1328.6	1314.1	1320.3	1316.1	1307.8
5°	1322.4	1307.8	1314.1	1309.9	1307.8
7.5°	1309.9	1297.4	1303.6	1299.5	1297.4
10°	1295.3	1282.8	1289.1	1282.8	1280.7
12.5°	1280.7	1266.2	1272.4	1264.1	1264.1
15°	1257.8	1245.3	1251.6	1245.3	1243.2
17.5°	1232.8	1220.3	1224.5	1218.3	1216.2
20°	1203.7	1191.2	1195.3	1187.0	1182.9
22.5°	1172.4	1162.0	1166.2	1151.6	1149.5
25°	1139.1	1128.7	1130.8	1116.2	1114.1
27.5°	1105.8	1091.2	1095.4	1078.7	1074.6
30°	1066.2	1053.7	1055.8	1039.2	1035.0
32.5°	1022.5	1014.2	1014.2	997.5	995.4
35°	980.9	972.5	970.4	953.8	949.6
37.5°	939.2	928.8	926.7	908.0	908.0
40°	893.4	885.1	880.9	866.3	864.2
42.5°	849.7	839.2	835.1	820.5	820.5
45°	803.8	795.5	787.2	776.8	774.7
47.5°	755.9	747.6	743.4	731.0	728.9
50°	708.0	701.8	695.6	685.1	683.1
52.5°	658.1	653.9	649.7	639.3	633.1
55°	612.3	606.0	603.9	591.4	587.3
57.5°	562.3	556.0	553.9	539.4	533.1
60°	508.1	501.9	499.8	487.3	485.2
62.5°	460.2	454.0	449.8	441.5	437.3
65°	410.3	406.1	399.8	391.5	387.3
67.5°	360.3	356.1	349.9	343.6	339.4
70°	310.3	306.1	302.0	293.6	291.5
72.5°	260.3	256.1	252.0	247.8	247.8
75°	212.4	210.3	208.2	202.0	202.0
77.5°	164.5	162.4	160.4	158.3	158.3
80°	120.8	120.8	118.7	116.6	116.6
82.5°	81.2	81.2	81.2	79.1	79.1
85°	45.8	47.9	47.9	45.8	45.8
87.5°	18.7	18.7	18.7	18.7	18.7
90°	4.2	8.3	8.3	8.3	8.3
92.5°	8.3	10.4	12.5	14.6	12.5
95°	14.6	16.7	18.7	18.7	18.7
97.5°	22.9	25.0	25.0	25.0	25.0
100°	29.2	33.3	31.2	33.3	31.2
102.5°	35.4	43.7	43.7	39.6	39.6
105°	39.6	54.1	47.9	52.1	47.9
107.5°	43.7	66.6	56.2	58.3	60.4
110°	50.0	75.0	68.7	62.5	64.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	54.1	91.6	81.2	72.9	70.8
115°	58.3	93.7	95.8	83.3	81.2
117.5°	64.6	93.7	108.3	97.9	93.7
120°	68.7	100.0	118.7	110.4	106.2
122.5°	72.9	104.1	124.9	124.9	120.8
125°	77.1	106.2	131.2	135.4	133.3
127.5°	79.1	100.0	141.6	147.9	145.8
130°	83.3	95.8	139.5	149.9	156.2
132.5°	87.5	97.9	135.4	152.0	156.2
135°	89.5	100.0	131.2	162.4	160.4
137.5°	91.6	102.0	133.3	156.2	166.6
140°	95.8	102.0	135.4	147.9	160.4
142.5°	97.9	104.1	135.4	141.6	149.9
145°	100.0	104.1	124.9	143.7	145.8
147.5°	100.0	106.2	116.6	145.8	145.8
150°	102.0	106.2	116.6	145.8	145.8
152.5°	104.1	108.3	114.5	127.0	143.7
155°	104.1	108.3	114.5	122.9	122.9
157.5°	106.2	108.3	114.5	120.8	120.8
160°	106.2	108.3	114.5	118.7	116.6
162.5°	108.3	108.3	112.5	116.6	114.5
165°	108.3	108.3	114.5	116.6	114.5
167.5°	108.3	110.4	112.5	114.5	112.5
170°	110.4	110.4	112.5	112.5	110.4
172.5°	110.4	110.4	112.5	110.4	108.3
175°	110.4	110.4	110.4	110.4	106.2
177.5°	110.4	108.3	110.4	108.3	104.1
180°	108.3	108.3	108.3	108.3	108.3

(END OF REPORT)