

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: P274962

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274962
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4072.6 lumens
Efficiency: N/A
Efficacy: 79.4 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

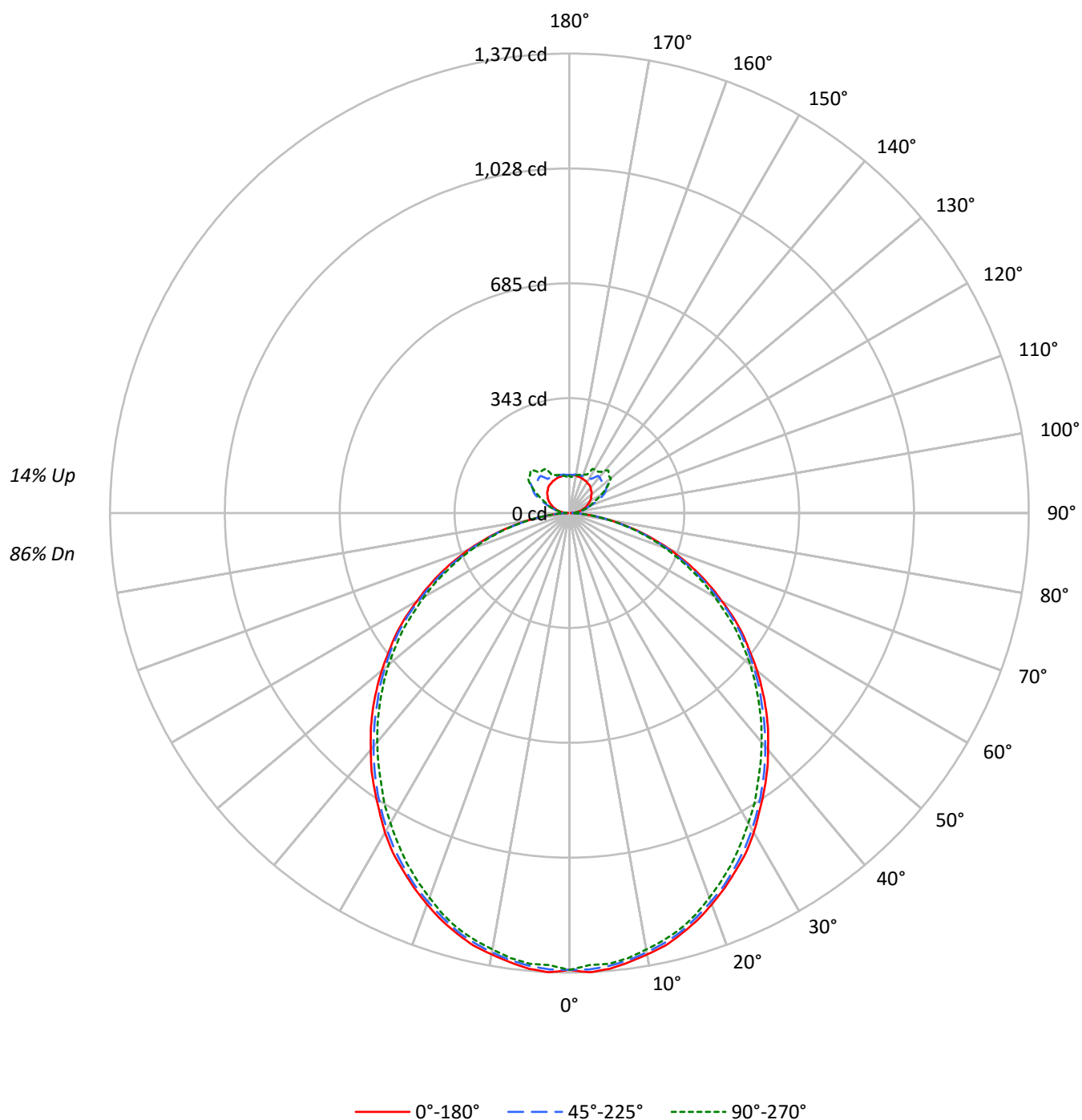
Input Watts (W): 51.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10995	10995	10995
5°	11054	10985	10933
10°	10953	10900	10830
15°	10844	10791	10719
20°	10667	10594	10483
25°	10467	10391	10237
30°	10253	10152	9952
35°	9972	9866	9654
40°	9712	9576	9395
45°	9467	9270	9123
50°	9173	9011	8849
55°	8890	8769	8526
60°	8464	8325	8081
65°	8084	7880	7633
70°	7556	7353	7098
75°	6834	6700	6500
80°	5793	5690	5593
85°	4381	4576	4381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	3.2
10°-20°	362.5	8.9
20°-30°	534.6	13.1
30°-40°	623.1	15.3
40°-50°	626.5	15.4
50°-60°	551.7	13.5
60°-70°	407.3	10.0
70°-80°	225.6	5.5
80°-90°	58.7	1.4
90°-100°	20.9	0.5
100°-110°	53.8	1.3
110°-120°	87.4	2.1
120°-130°	109.2	2.7
130°-140°	102.6	2.5
140°-150°	80.9	2.0
150°-160°	55.7	1.4
160°-170°	32.9	0.8
170°-180°	10.9	0.3
0°-30°	1025.4	25.2
0°-40°	1648.5	40.5
0°-60°	2826.7	69.4
0°-90°	3518.4	86.4
90°-120°	162.1	4.0
90°-150°	454.8	11.2
90°-180°	554.0	13.6
0°-180°	4072.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1364	1349	1356	1351	1349	129
15°	1298	1285	1291	1285	1282	366
25°	1175	1164	1166	1151	1149	542
35°	1012	1003	1001	984	980	633
45°	829	821	812	801	799	639
55°	632	625	623	610	606	563
65°	423	419	412	404	400	418
75°	219	217	215	208	208	232
85°	47	49	49	47	47	55
90°	4	9	9	9	9	5
95°	15	17	19	19	19	16
105°	41	56	49	54	49	43
115°	60	97	99	86	84	60
125°	80	110	135	140	138	70
135°	92	103	135	168	165	71
145°	103	107	129	148	150	64
155°	107	112	118	127	127	50
165°	112	112	118	120	118	32
175°	114	114	114	114	110	11
180°	112	112	112	112	112	



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CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1361.9	1361.9	1361.9	1361.9	1361.9
2.5°	1370.5	1355.5	1361.9	1357.6	1349.1
5°	1364.1	1349.1	1355.5	1351.2	1349.1
7.5°	1351.2	1338.3	1344.8	1340.5	1338.3
10°	1336.2	1323.3	1329.7	1323.3	1321.1
12.5°	1321.1	1306.1	1312.5	1303.9	1303.9
15°	1297.5	1284.6	1291.1	1284.6	1282.5
17.5°	1271.7	1258.8	1263.1	1256.7	1254.5
20°	1241.6	1228.8	1233.1	1224.5	1220.2
22.5°	1209.4	1198.7	1203.0	1187.9	1185.8
25°	1175.1	1164.3	1166.5	1151.4	1149.3
27.5°	1140.7	1125.6	1129.9	1112.8	1108.5
30°	1099.9	1087.0	1089.1	1071.9	1067.6
32.5°	1054.8	1046.2	1046.2	1029.0	1026.8
35°	1011.8	1003.2	1001.1	983.9	979.6
37.5°	968.8	958.1	955.9	936.6	936.6
40°	921.6	913.0	908.7	893.6	891.5
42.5°	876.5	865.7	861.4	846.4	846.4
45°	829.2	820.6	812.0	801.3	799.1
47.5°	779.8	771.2	766.9	754.0	751.9
50°	730.4	723.9	717.5	706.8	704.6
52.5°	678.8	674.5	670.2	659.5	653.0
55°	631.6	625.1	623.0	610.1	605.8
57.5°	580.0	573.6	571.4	556.4	549.9
60°	524.2	517.7	515.6	502.7	500.5
62.5°	474.7	468.3	464.0	455.4	451.1
65°	423.2	418.9	412.5	403.9	399.6
67.5°	371.6	367.3	360.9	354.4	350.2
70°	320.1	315.8	311.5	302.9	300.7
72.5°	268.5	264.2	259.9	255.6	255.6
75°	219.1	217.0	214.8	208.4	208.4
77.5°	169.7	167.6	165.4	163.3	163.3
80°	124.6	124.6	122.4	120.3	120.3
82.5°	83.8	83.8	83.8	81.6	81.6
85°	47.3	49.4	49.4	47.3	47.3
87.5°	19.3	19.3	19.3	19.3	19.3
90°	4.3	8.6	8.6	8.6	8.6
92.5°	8.6	10.7	12.9	15.0	12.9
95°	15.0	17.2	19.3	19.3	19.3
97.5°	23.6	25.8	25.8	25.8	25.8
100°	30.1	34.4	32.2	34.4	32.2
102.5°	36.5	45.1	45.1	40.8	40.8
105°	40.8	55.9	49.4	53.7	49.4
107.5°	45.1	68.7	58.0	60.1	62.3
110°	51.6	77.3	70.9	64.4	66.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	55.9	94.5	83.8	75.2	73.0
115°	60.1	96.7	98.8	85.9	83.8
117.5°	66.6	96.7	111.7	101.0	96.7
120°	70.9	103.1	122.4	113.9	109.6
122.5°	75.2	107.4	128.9	128.9	124.6
125°	79.5	109.6	135.3	139.6	137.5
127.5°	81.6	103.1	146.1	152.5	150.4
130°	85.9	98.8	143.9	154.7	161.1
132.5°	90.2	101.0	139.6	156.8	161.1
135°	92.4	103.1	135.3	167.6	165.4
137.5°	94.5	105.3	137.5	161.1	171.9
140°	98.8	105.3	139.6	152.5	165.4
142.5°	101.0	107.4	139.6	146.1	154.7
145°	103.1	107.4	128.9	148.2	150.4
147.5°	103.1	109.6	120.3	150.4	150.4
150°	105.3	109.6	120.3	150.4	150.4
152.5°	107.4	111.7	118.1	131.0	148.2
155°	107.4	111.7	118.1	126.7	126.7
157.5°	109.6	111.7	118.1	124.6	124.6
160°	109.6	111.7	118.1	122.4	120.3
162.5°	111.7	111.7	116.0	120.3	118.1
165°	111.7	111.7	118.1	120.3	118.1
167.5°	111.7	113.9	116.0	118.1	116.0
170°	113.9	113.9	116.0	116.0	113.9
172.5°	113.9	113.9	116.0	113.9	111.7
175°	113.9	113.9	113.9	113.9	109.6
177.5°	113.9	111.7	113.9	111.7	107.4
180°	111.7	111.7	111.7	111.7	111.7

(END OF REPORT)