

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: P274966

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274966
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 (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: 4376.9 lumens
Efficiency: N/A
Efficacy: 82.4 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

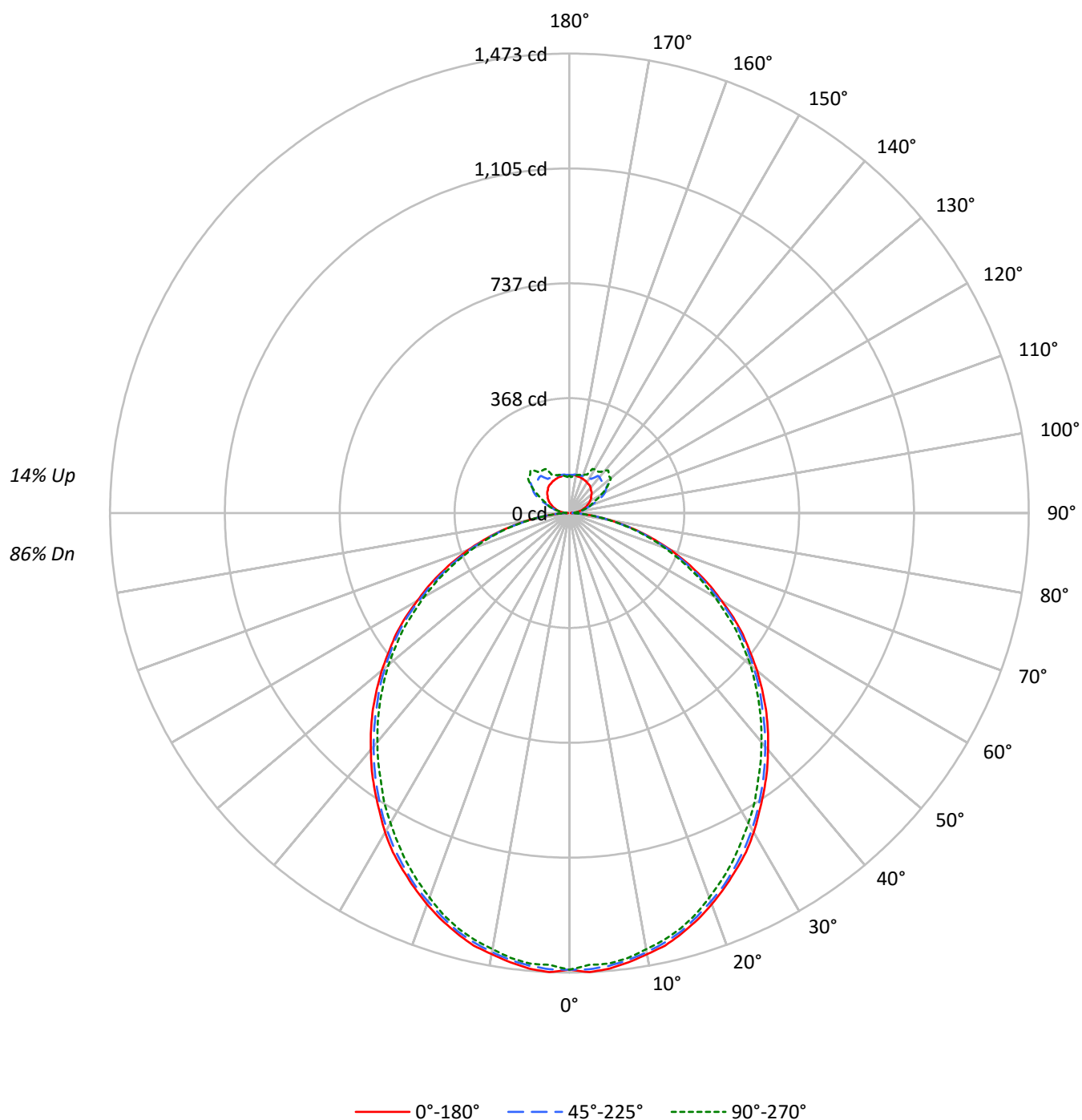
Input Watts (W): 53.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274966

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P274966

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (6500K)

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°	11816	11816	11816
5°	11881	11806	11750
10°	11772	11715	11640
15°	11655	11597	11519
20°	11465	11385	11266
25°	11249	11166	11003
30°	11019	10911	10696
35°	10717	10603	10376
40°	10438	10292	10097
45°	10175	9964	9806
50°	9859	9684	9511
55°	9554	9423	9164
60°	9095	8946	8685
65°	8688	8468	8202
70°	8120	7903	7629
75°	7346	7202	6984
80°	6225	6118	6011
85°	4705	4918	4705



TEST NUMBER: P274966

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	3.2
10°-20°	389.6	8.9
20°-30°	574.6	13.1
30°-40°	669.7	15.3
40°-50°	673.3	15.4
50°-60°	592.9	13.5
60°-70°	437.7	10.0
70°-80°	242.5	5.5
80°-90°	63.1	1.4
90°-100°	22.4	0.5
100°-110°	57.9	1.3
110°-120°	93.9	2.1
120°-130°	117.4	2.7
130°-140°	110.3	2.5
140°-150°	86.9	2.0
150°-160°	59.9	1.4
160°-170°	35.3	0.8
170°-180°	11.7	0.3
0°-30°	1102.0	25.2
0°-40°	1771.7	40.5
0°-60°	3038.0	69.4
0°-90°	3781.3	86.4
90°-120°	174.2	4.0
90°-150°	488.8	11.2
90°-180°	596.0	13.6
0°-180°	4376.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1464	1464	1464	1464	1464	
5°	1466	1450	1457	1452	1450	139
15°	1394	1381	1388	1381	1378	393
25°	1263	1251	1254	1238	1235	582
35°	1087	1078	1076	1057	1053	681
45°	891	882	873	861	859	687
55°	679	672	670	656	651	605
65°	455	450	443	434	429	450
75°	236	233	231	224	224	249
85°	51	53	53	51	51	59
90°	5	9	9	9	9	5
95°	16	18	21	21	21	17
105°	44	60	53	58	53	46
115°	65	104	106	92	90	65
125°	85	118	146	150	148	76
135°	99	111	146	180	178	77
145°	111	115	138	159	162	69
155°	115	120	127	136	136	54
165°	120	120	127	129	127	34
175°	122	122	122	122	118	12
180°	120	120	120	120	120	



TEST NUMBER: P274966

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1463.7	1463.7	1463.7	1463.7	1463.7
2.5°	1473.0	1456.8	1463.7	1459.1	1449.9
5°	1466.1	1449.9	1456.8	1452.2	1449.9
7.5°	1452.2	1438.3	1445.3	1440.7	1438.3
10°	1436.0	1422.2	1429.1	1422.2	1419.9
12.5°	1419.9	1403.7	1410.6	1401.4	1401.4
15°	1394.5	1380.6	1387.6	1380.6	1378.3
17.5°	1366.8	1352.9	1357.5	1350.6	1348.3
20°	1334.5	1320.6	1325.2	1316.0	1311.4
22.5°	1299.8	1288.3	1292.9	1276.7	1274.4
25°	1262.9	1251.3	1253.6	1237.5	1235.2
27.5°	1225.9	1209.8	1214.4	1195.9	1191.3
30°	1182.1	1168.2	1170.5	1152.1	1147.4
32.5°	1133.6	1124.4	1124.4	1105.9	1103.6
35°	1087.4	1078.2	1075.9	1057.4	1052.8
37.5°	1041.2	1029.7	1027.4	1006.6	1006.6
40°	990.5	981.2	976.6	960.4	958.1
42.5°	942.0	930.4	925.8	909.6	909.6
45°	891.2	881.9	872.7	861.2	858.9
47.5°	838.1	828.8	824.2	810.4	808.1
50°	785.0	778.0	771.1	759.6	757.3
52.5°	729.6	724.9	720.3	708.8	701.9
55°	678.8	671.8	669.5	655.7	651.1
57.5°	623.4	616.4	614.1	598.0	591.0
60°	563.3	556.4	554.1	540.2	537.9
62.5°	510.2	503.3	498.7	489.5	484.8
65°	454.8	450.2	443.3	434.0	429.4
67.5°	399.4	394.8	387.9	380.9	376.3
70°	344.0	339.4	334.8	325.5	323.2
72.5°	288.6	284.0	279.4	274.7	274.7
75°	235.5	233.2	230.9	223.9	223.9
77.5°	182.4	180.1	177.8	175.5	175.5
80°	133.9	133.9	131.6	129.3	129.3
82.5°	90.0	90.0	90.0	87.7	87.7
85°	50.8	53.1	53.1	50.8	50.8
87.5°	20.8	20.8	20.8	20.8	20.8
90°	4.6	9.2	9.2	9.2	9.2
92.5°	9.2	11.5	13.9	16.2	13.9
95°	16.2	18.5	20.8	20.8	20.8
97.5°	25.4	27.7	27.7	27.7	27.7
100°	32.3	36.9	34.6	36.9	34.6
102.5°	39.2	48.5	48.5	43.9	43.9
105°	43.9	60.0	53.1	57.7	53.1
107.5°	48.5	73.9	62.3	64.6	67.0
110°	55.4	83.1	76.2	69.3	71.6



TEST NUMBER: P274966

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	60.0	101.6	90.0	80.8	78.5
115°	64.6	103.9	106.2	92.3	90.0
117.5°	71.6	103.9	120.1	108.5	103.9
120°	76.2	110.8	131.6	122.4	117.7
122.5°	80.8	115.4	138.5	138.5	133.9
125°	85.4	117.7	145.5	150.1	147.8
127.5°	87.7	110.8	157.0	163.9	161.6
130°	92.3	106.2	154.7	166.2	173.2
132.5°	97.0	108.5	150.1	168.5	173.2
135°	99.3	110.8	145.5	180.1	177.8
137.5°	101.6	113.1	147.8	173.2	184.7
140°	106.2	113.1	150.1	163.9	177.8
142.5°	108.5	115.4	150.1	157.0	166.2
145°	110.8	115.4	138.5	159.3	161.6
147.5°	110.8	117.7	129.3	161.6	161.6
150°	113.1	117.7	129.3	161.6	161.6
152.5°	115.4	120.1	127.0	140.8	159.3
155°	115.4	120.1	127.0	136.2	136.2
157.5°	117.7	120.1	127.0	133.9	133.9
160°	117.7	120.1	127.0	131.6	129.3
162.5°	120.1	120.1	124.7	129.3	127.0
165°	120.1	120.1	127.0	129.3	127.0
167.5°	120.1	122.4	124.7	127.0	124.7
170°	122.4	122.4	124.7	124.7	122.4
172.5°	122.4	122.4	124.7	122.4	120.1
175°	122.4	122.4	122.4	122.4	117.7
177.5°	122.4	120.1	122.4	120.1	115.4
180°	120.1	120.1	120.1	120.1	120.1

(END OF REPORT)