

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: P274965

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274965
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-50L92765-1D-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, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4349.3 lumens
Efficiency: N/A
Efficacy: 83.3 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

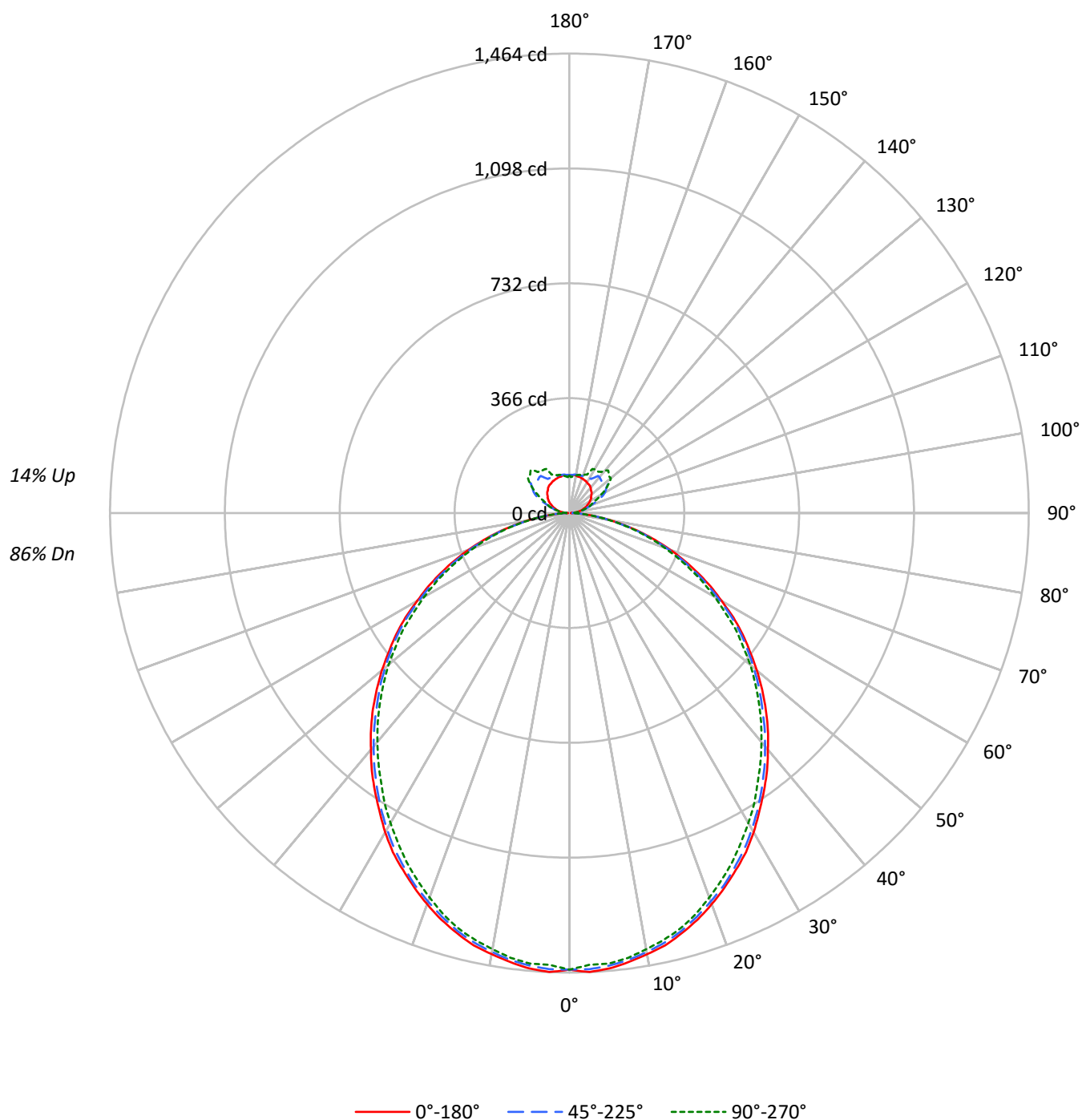
Input Watts (W): 52.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11742	11742	11742
5°	11806	11731	11675
10°	11698	11641	11566
15°	11581	11524	11447
20°	11392	11313	11195
25°	11178	11096	10933
30°	10949	10842	10629
35°	10649	10536	10310
40°	10372	10227	10034
45°	10110	9901	9743
50°	9796	9623	9451
55°	9493	9364	9105
60°	9038	8890	8630
65°	8632	8415	8151
70°	8068	7853	7582
75°	7299	7155	6940
80°	6188	6081	5974
85°	4678	4891	4678



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	3.2
10°-20°	387.1	8.9
20°-30°	570.9	13.1
30°-40°	665.4	15.3
40°-50°	669.1	15.4
50°-60°	589.2	13.5
60°-70°	434.9	10.0
70°-80°	241.0	5.5
80°-90°	62.7	1.4
90°-100°	22.3	0.5
100°-110°	57.5	1.3
110°-120°	93.3	2.1
120°-130°	116.6	2.7
130°-140°	109.5	2.5
140°-150°	86.4	2.0
150°-160°	59.5	1.4
160°-170°	35.1	0.8
170°-180°	11.6	0.3
0°-30°	1095.1	25.2
0°-40°	1760.5	40.5
0°-60°	3018.8	69.4
0°-90°	3757.4	86.4
90°-120°	173.1	4.0
90°-150°	485.7	11.2
90°-180°	592.0	13.6
0°-180°	4349.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1454	1454	1454	1454	1454	
5°	1457	1441	1448	1443	1441	138
15°	1386	1372	1379	1372	1370	390
25°	1255	1243	1246	1230	1227	578
35°	1080	1071	1069	1051	1046	676
45°	886	876	867	856	853	683
55°	674	668	665	652	647	601
65°	452	447	440	431	427	447
75°	234	232	229	222	222	248
85°	50	53	53	50	50	59
90°	5	9	9	9	9	5
95°	16	18	21	21	21	17
105°	44	60	53	57	53	46
115°	64	103	106	92	90	64
125°	85	117	144	149	147	75
135°	99	110	144	179	177	76
145°	110	115	138	158	161	69
155°	115	119	126	135	135	53
165°	119	119	126	128	126	34
175°	122	122	122	122	117	12
180°	119	119	119	119	119	



TEST NUMBER: P274965

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1454.5	1454.5	1454.5	1454.5	1454.5
2.5°	1463.7	1447.6	1454.5	1449.9	1440.7
5°	1456.8	1440.7	1447.6	1443.0	1440.7
7.5°	1443.0	1429.3	1436.1	1431.5	1429.3
10°	1427.0	1413.2	1420.1	1413.2	1410.9
12.5°	1410.9	1394.8	1401.7	1392.5	1392.5
15°	1385.7	1371.9	1378.8	1371.9	1369.6
17.5°	1358.1	1344.4	1349.0	1342.1	1339.8
20°	1326.0	1312.3	1316.8	1307.7	1303.1
22.5°	1291.6	1280.1	1284.7	1268.7	1266.4
25°	1254.9	1243.4	1245.7	1229.7	1227.4
27.5°	1218.2	1202.1	1206.7	1188.4	1183.8
30°	1174.6	1160.8	1163.1	1144.8	1140.2
32.5°	1126.4	1117.2	1117.2	1098.9	1096.6
35°	1080.5	1071.4	1069.1	1050.7	1046.1
37.5°	1034.7	1023.2	1020.9	1000.2	1000.2
40°	984.2	975.0	970.4	954.4	952.1
42.5°	936.0	924.5	920.0	903.9	903.9
45°	885.5	876.4	867.2	855.7	853.4
47.5°	832.8	823.6	819.0	805.2	803.0
50°	780.0	773.1	766.2	754.8	752.5
52.5°	725.0	720.4	715.8	704.3	697.4
55°	674.5	667.6	665.3	651.5	646.9
57.5°	619.4	612.5	610.2	594.2	587.3
60°	559.8	552.9	550.6	536.8	534.5
62.5°	507.0	500.1	495.5	486.4	481.8
65°	451.9	447.4	440.5	431.3	426.7
67.5°	396.9	392.3	385.4	378.5	373.9
70°	341.8	337.2	332.7	323.5	321.2
72.5°	286.8	282.2	277.6	273.0	273.0
75°	234.0	231.7	229.4	222.5	222.5
77.5°	181.2	178.9	176.6	174.4	174.4
80°	133.1	133.1	130.8	128.5	128.5
82.5°	89.5	89.5	89.5	87.2	87.2
85°	50.5	52.8	52.8	50.5	50.5
87.5°	20.6	20.6	20.6	20.6	20.6
90°	4.6	9.2	9.2	9.2	9.2
92.5°	9.2	11.5	13.8	16.1	13.8
95°	16.1	18.4	20.6	20.6	20.6
97.5°	25.2	27.5	27.5	27.5	27.5
100°	32.1	36.7	34.4	36.7	34.4
102.5°	39.0	48.2	48.2	43.6	43.6
105°	43.6	59.6	52.8	57.4	52.8
107.5°	48.2	73.4	61.9	64.2	66.5
110°	55.1	82.6	75.7	68.8	71.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	59.6	100.9	89.5	80.3	78.0
115°	64.2	103.2	105.5	91.8	89.5
117.5°	71.1	103.2	119.3	107.8	103.2
120°	75.7	110.1	130.8	121.6	117.0
122.5°	80.3	114.7	137.6	137.6	133.1
125°	84.9	117.0	144.5	149.1	146.8
127.5°	87.2	110.1	156.0	162.9	160.6
130°	91.8	105.5	153.7	165.2	172.1
132.5°	96.4	107.8	149.1	167.5	172.1
135°	98.6	110.1	144.5	178.9	176.6
137.5°	100.9	112.4	146.8	172.1	183.5
140°	105.5	112.4	149.1	162.9	176.6
142.5°	107.8	114.7	149.1	156.0	165.2
145°	110.1	114.7	137.6	158.3	160.6
147.5°	110.1	117.0	128.5	160.6	160.6
150°	112.4	117.0	128.5	160.6	160.6
152.5°	114.7	119.3	126.2	139.9	158.3
155°	114.7	119.3	126.2	135.4	135.4
157.5°	117.0	119.3	126.2	133.1	133.1
160°	117.0	119.3	126.2	130.8	128.5
162.5°	119.3	119.3	123.9	128.5	126.2
165°	119.3	119.3	126.2	128.5	126.2
167.5°	119.3	121.6	123.9	126.2	123.9
170°	121.6	121.6	123.9	123.9	121.6
172.5°	121.6	121.6	123.9	121.6	119.3
175°	121.6	121.6	121.6	121.6	117.0
177.5°	121.6	119.3	121.6	119.3	114.7
180°	119.3	119.3	119.3	119.3	119.3

(END OF REPORT)