

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: P274933

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274933
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-40L92765-1D-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: 3437.4 lumens
Efficiency: N/A
Efficacy: 90.9 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

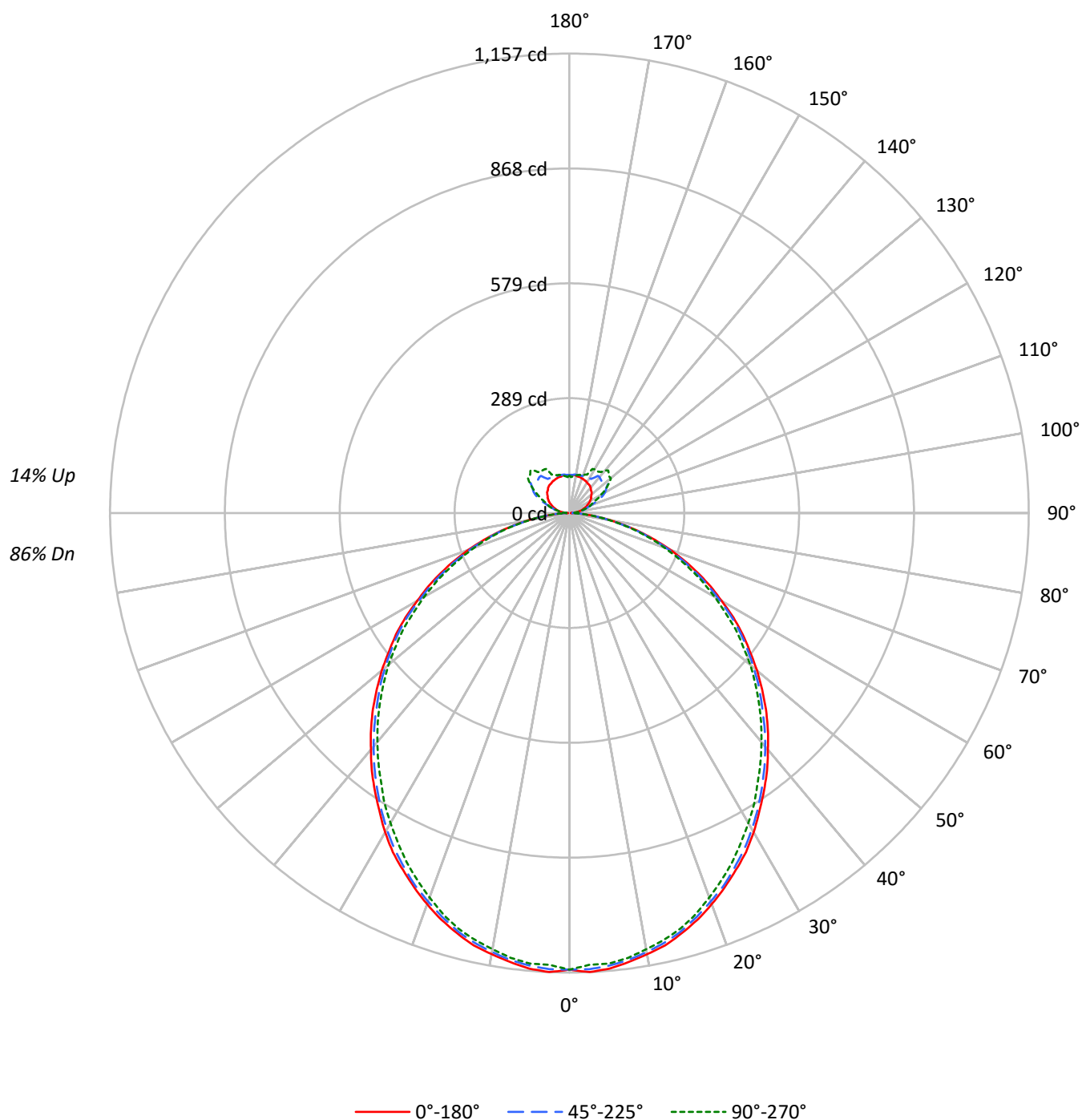
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	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
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9280	9280	9280
5°	9331	9272	9228
10°	9245	9200	9141
15°	9153	9107	9047
20°	9003	8941	8848
25°	8834	8769	8640
30°	8653	8570	8400
35°	8416	8327	8148
40°	8197	8083	7930
45°	7991	7825	7701
50°	7743	7606	7469
55°	7503	7401	7196
60°	7143	7027	6822
65°	6823	6649	6441
70°	6378	6205	5991
75°	5767	5655	5487
80°	4891	4802	4719
85°	3696	3863	3696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	3.2
10°-20°	305.9	8.9
20°-30°	451.2	13.1
30°-40°	525.9	15.3
40°-50°	528.8	15.4
50°-60°	465.7	13.5
60°-70°	343.7	10.0
70°-80°	190.4	5.5
80°-90°	49.6	1.4
90°-100°	17.6	0.5
100°-110°	45.4	1.3
110°-120°	73.8	2.1
120°-130°	92.2	2.7
130°-140°	86.6	2.5
140°-150°	68.3	2.0
150°-160°	47.0	1.4
160°-170°	27.7	0.8
170°-180°	9.2	0.3
0°-30°	865.5	25.2
0°-40°	1391.4	40.5
0°-60°	2385.9	69.4
0°-90°	2969.6	86.4
90°-120°	136.9	4.0
90°-150°	383.9	11.2
90°-180°	468.0	13.6
0°-180°	3437.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1151	1139	1144	1140	1139	109
15°	1095	1084	1090	1084	1082	309
25°	992	983	984	972	970	457
35°	854	847	845	830	827	535
45°	700	693	685	676	674	539
55°	533	528	526	515	511	475
65°	357	354	348	341	337	353
75°	185	183	181	176	176	196
85°	40	42	42	40	40	47
90°	4	7	7	7	7	4
95°	13	14	16	16	16	13
105°	34	47	42	45	42	36
115°	51	82	83	72	71	51
125°	67	92	114	118	116	59
135°	78	87	114	141	140	60
145°	87	91	109	125	127	54
155°	91	94	100	107	107	42
165°	94	94	100	102	100	27
175°	96	96	96	96	92	9
180°	94	94	94	94	94	



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CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1149.5	1149.5	1149.5	1149.5	1149.5
2.5°	1156.8	1144.1	1149.5	1145.9	1138.7
5°	1151.4	1138.7	1144.1	1140.5	1138.7
7.5°	1140.5	1129.6	1135.0	1131.4	1129.6
10°	1127.8	1116.9	1122.3	1116.9	1115.1
12.5°	1115.1	1102.4	1107.8	1100.6	1100.6
15°	1095.1	1084.3	1089.7	1084.3	1082.5
17.5°	1073.4	1062.5	1066.1	1060.7	1058.9
20°	1048.0	1037.1	1040.7	1033.5	1029.9
22.5°	1020.8	1011.7	1015.4	1002.7	1000.9
25°	991.8	982.7	984.5	971.8	970.0
27.5°	962.8	950.1	953.7	939.2	935.6
30°	928.3	917.5	919.3	904.8	901.1
32.5°	890.3	883.0	883.0	868.5	866.7
35°	854.0	846.7	844.9	830.4	826.8
37.5°	817.7	808.7	806.9	790.5	790.5
40°	777.8	770.6	767.0	754.3	752.5
42.5°	739.8	730.7	727.1	714.4	714.4
45°	699.9	692.6	685.4	676.3	674.5
47.5°	658.2	650.9	647.3	636.4	634.6
50°	616.5	611.0	605.6	596.5	594.7
52.5°	573.0	569.3	565.7	556.6	551.2
55°	533.1	527.6	525.8	514.9	511.3
57.5°	489.6	484.1	482.3	469.6	464.2
60°	442.4	437.0	435.2	424.3	422.5
62.5°	400.7	395.3	391.6	384.4	380.8
65°	357.2	353.6	348.1	340.9	337.2
67.5°	313.7	310.0	304.6	299.2	295.5
70°	270.2	266.5	262.9	255.7	253.8
72.5°	226.6	223.0	219.4	215.8	215.8
75°	184.9	183.1	181.3	175.9	175.9
77.5°	143.2	141.4	139.6	137.8	137.8
80°	105.2	105.2	103.3	101.5	101.5
82.5°	70.7	70.7	70.7	68.9	68.9
85°	39.9	41.7	41.7	39.9	39.9
87.5°	16.3	16.3	16.3	16.3	16.3
90°	3.6	7.3	7.3	7.3	7.3
92.5°	7.3	9.1	10.9	12.7	10.9
95°	12.7	14.5	16.3	16.3	16.3
97.5°	19.9	21.8	21.8	21.8	21.8
100°	25.4	29.0	27.2	29.0	27.2
102.5°	30.8	38.1	38.1	34.4	34.4
105°	34.4	47.1	41.7	45.3	41.7
107.5°	38.1	58.0	49.0	50.8	52.6
110°	43.5	65.3	59.8	54.4	56.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	47.1	79.8	70.7	63.5	61.6
115°	50.8	81.6	83.4	72.5	70.7
117.5°	56.2	81.6	94.3	85.2	81.6
120°	59.8	87.0	103.3	96.1	92.5
122.5°	63.5	90.7	108.8	108.8	105.2
125°	67.1	92.5	114.2	117.9	116.0
127.5°	68.9	87.0	123.3	128.7	126.9
130°	72.5	83.4	121.5	130.5	136.0
132.5°	76.2	85.2	117.9	132.4	136.0
135°	78.0	87.0	114.2	141.4	139.6
137.5°	79.8	88.8	116.0	136.0	145.1
140°	83.4	88.8	117.9	128.7	139.6
142.5°	85.2	90.7	117.9	123.3	130.5
145°	87.0	90.7	108.8	125.1	126.9
147.5°	87.0	92.5	101.5	126.9	126.9
150°	88.8	92.5	101.5	126.9	126.9
152.5°	90.7	94.3	99.7	110.6	125.1
155°	90.7	94.3	99.7	107.0	107.0
157.5°	92.5	94.3	99.7	105.2	105.2
160°	92.5	94.3	99.7	103.3	101.5
162.5°	94.3	94.3	97.9	101.5	99.7
165°	94.3	94.3	99.7	101.5	99.7
167.5°	94.3	96.1	97.9	99.7	97.9
170°	96.1	96.1	97.9	97.9	96.1
172.5°	96.1	96.1	97.9	96.1	94.3
175°	96.1	96.1	96.1	96.1	92.5
177.5°	96.1	94.3	96.1	94.3	90.7
180°	94.3	94.3	94.3	94.3	94.3

(END OF REPORT)