

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: P274931

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274931
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-40L92765-1D-UNV-W2A-DLED-W-4 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3302.6 lumens
Efficiency: N/A
Efficacy: 88.3 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

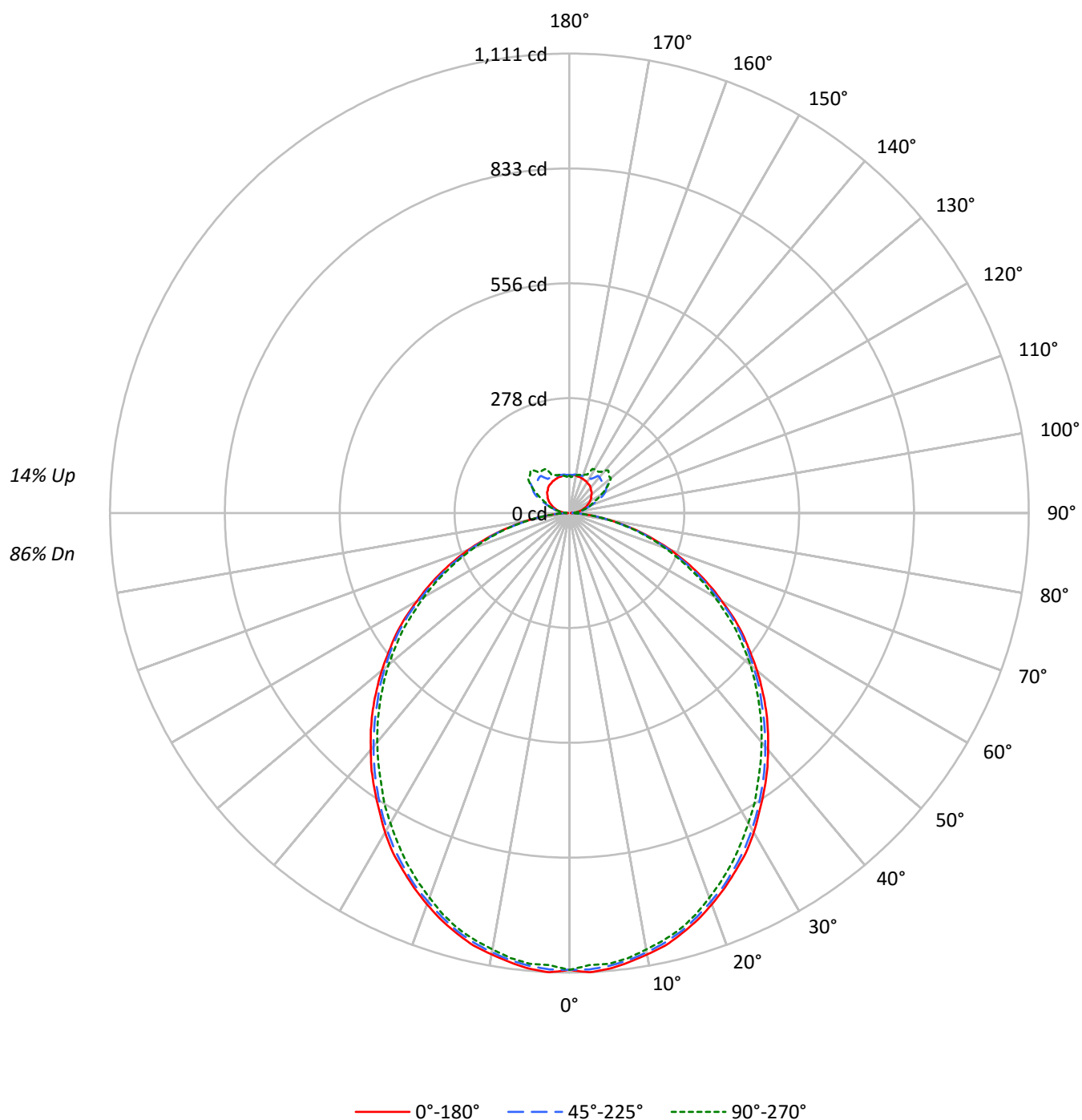
Input Watts (W): 37.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8916	8916	8916
5°	8964	8908	8866
10°	8882	8839	8782
15°	8794	8750	8692
20°	8650	8590	8501
25°	8488	8426	8302
30°	8314	8233	8071
35°	8086	8000	7829
40°	7875	7766	7618
45°	7677	7518	7398
50°	7439	7307	7176
55°	7209	7111	6914
60°	6864	6751	6554
65°	6556	6390	6189
70°	6128	5962	5757
75°	5543	5434	5271
80°	4696	4616	4537
85°	3548	3714	3548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	3.2
10°-20°	293.9	8.9
20°-30°	433.5	13.1
30°-40°	505.3	15.3
40°-50°	508.0	15.4
50°-60°	447.4	13.5
60°-70°	330.3	10.0
70°-80°	183.0	5.5
80°-90°	47.6	1.4
90°-100°	16.9	0.5
100°-110°	43.7	1.3
110°-120°	70.9	2.1
120°-130°	88.5	2.7
130°-140°	83.2	2.5
140°-150°	65.6	2.0
150°-160°	45.2	1.4
160°-170°	26.6	0.8
170°-180°	8.8	0.3
0°-30°	831.5	25.2
0°-40°	1336.8	40.5
0°-60°	2292.3	69.4
0°-90°	2853.1	86.4
90°-120°	131.5	4.0
90°-150°	368.8	11.2
90°-180°	449.0	13.6
0°-180°	3302.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1106	1094	1099	1096	1094	105
15°	1052	1042	1047	1042	1040	297
25°	953	944	946	934	932	439
35°	820	814	812	798	794	514
45°	672	665	658	650	648	518
55°	512	507	505	495	491	457
65°	343	340	334	328	324	339
75°	178	176	174	169	169	188
85°	38	40	40	38	38	45
90°	4	7	7	7	7	4
95°	12	14	16	16	16	13
105°	33	45	40	44	40	35
115°	49	78	80	70	68	49
125°	64	89	110	113	112	57
135°	75	84	110	136	134	58
145°	84	87	104	120	122	52
155°	87	91	96	103	103	40
165°	91	91	96	98	96	26
175°	92	92	92	92	89	9
180°	91	91	91	91	91	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1104.4	1104.4	1104.4	1104.4	1104.4
2.5°	1111.4	1099.2	1104.4	1101.0	1094.0
5°	1106.2	1094.0	1099.2	1095.7	1094.0
7.5°	1095.7	1085.3	1090.5	1087.0	1085.3
10°	1083.5	1073.1	1078.3	1073.1	1071.3
12.5°	1071.3	1059.1	1064.4	1057.4	1057.4
15°	1052.2	1041.7	1046.9	1041.7	1040.0
17.5°	1031.3	1020.8	1024.3	1019.1	1017.3
20°	1006.9	996.4	999.9	992.9	989.5
22.5°	980.8	972.0	975.5	963.3	961.6
25°	952.9	944.2	945.9	933.7	932.0
27.5°	925.0	912.8	916.3	902.4	898.9
30°	891.9	881.5	883.2	869.3	865.8
32.5°	855.3	848.4	848.4	834.4	832.7
35°	820.5	813.5	811.8	797.8	794.4
37.5°	785.6	776.9	775.2	759.5	759.5
40°	747.3	740.4	736.9	724.7	722.9
42.5°	710.7	702.0	698.5	686.4	686.4
45°	672.4	665.4	658.5	649.8	648.0
47.5°	632.3	625.4	621.9	611.4	609.7
50°	592.3	587.1	581.8	573.1	571.4
52.5°	550.5	547.0	543.5	534.8	529.6
55°	512.2	506.9	505.2	494.7	491.2
57.5°	470.3	465.1	463.4	451.2	446.0
60°	425.1	419.8	418.1	407.6	405.9
62.5°	385.0	379.8	376.3	369.3	365.8
65°	343.2	339.7	334.5	327.5	324.0
67.5°	301.4	297.9	292.7	287.4	283.9
70°	259.6	256.1	252.6	245.6	243.9
72.5°	217.8	214.3	210.8	207.3	207.3
75°	177.7	175.9	174.2	169.0	169.0
77.5°	137.6	135.9	134.1	132.4	132.4
80°	101.0	101.0	99.3	97.6	97.6
82.5°	67.9	67.9	67.9	66.2	66.2
85°	38.3	40.1	40.1	38.3	38.3
87.5°	15.7	15.7	15.7	15.7	15.7
90°	3.5	7.0	7.0	7.0	7.0
92.5°	7.0	8.7	10.5	12.2	10.5
95°	12.2	13.9	15.7	15.7	15.7
97.5°	19.2	20.9	20.9	20.9	20.9
100°	24.4	27.9	26.1	27.9	26.1
102.5°	29.6	36.6	36.6	33.1	33.1
105°	33.1	45.3	40.1	43.6	40.1
107.5°	36.6	55.7	47.0	48.8	50.5
110°	41.8	62.7	57.5	52.3	54.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	45.3	76.6	67.9	61.0	59.2
115°	48.8	78.4	80.1	69.7	67.9
117.5°	54.0	78.4	90.6	81.9	78.4
120°	57.5	83.6	99.3	92.3	88.8
122.5°	61.0	87.1	104.5	104.5	101.0
125°	64.5	88.8	109.7	113.2	111.5
127.5°	66.2	83.6	118.5	123.7	121.9
130°	69.7	80.1	116.7	125.4	130.7
132.5°	73.2	81.9	113.2	127.2	130.7
135°	74.9	83.6	109.7	135.9	134.1
137.5°	76.6	85.4	111.5	130.7	139.4
140°	80.1	85.4	113.2	123.7	134.1
142.5°	81.9	87.1	113.2	118.5	125.4
145°	83.6	87.1	104.5	120.2	121.9
147.5°	83.6	88.8	97.6	121.9	121.9
150°	85.4	88.8	97.6	121.9	121.9
152.5°	87.1	90.6	95.8	106.3	120.2
155°	87.1	90.6	95.8	102.8	102.8
157.5°	88.8	90.6	95.8	101.0	101.0
160°	88.8	90.6	95.8	99.3	97.6
162.5°	90.6	90.6	94.1	97.6	95.8
165°	90.6	90.6	95.8	97.6	95.8
167.5°	90.6	92.3	94.1	95.8	94.1
170°	92.3	92.3	94.1	94.1	92.3
172.5°	92.3	92.3	94.1	92.3	90.6
175°	92.3	92.3	92.3	92.3	88.8
177.5°	92.3	90.6	92.3	90.6	87.1
180°	90.6	90.6	90.6	90.6	90.6

(END OF REPORT)