

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: P253427

Luminaire Tested: **J2-WL-40L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3364.2 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

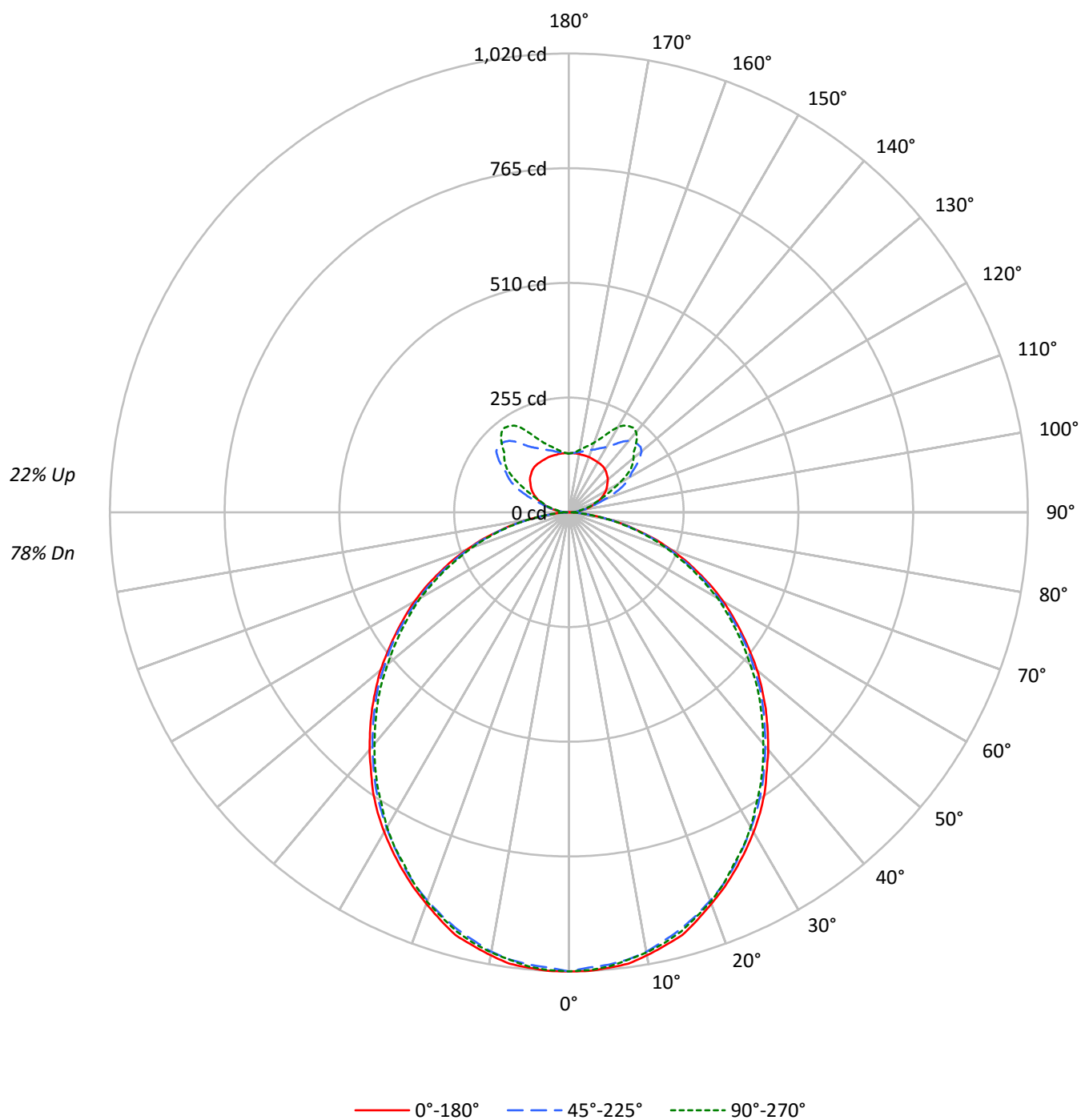
Input Watts (W): 37.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																	
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82
1	104	100	96	92	99	95	92	89	87	84	82	80	78	76	73	71	70
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	47	43
5	73	61	52	46	69	58	51	45	54	47	42	50	44	40	46	41	38
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8238	8238	8238
5°	8236	8181	8215
10°	8198	8129	8143
15°	8132	8018	8061
20°	7957	7892	7913
25°	7804	7735	7705
30°	7652	7549	7533
35°	7478	7370	7311
40°	7262	7155	7083
45°	7062	6956	6868
50°	6862	6734	6606
55°	6602	6518	6363
60°	6394	6242	6160
65°	6071	5908	5778
70°	5655	5516	5396
75°	5037	4956	4903
80°	4031	4068	3952
85°	2594	2677	2751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	2.9
10°-20°	271.9	8.1
20°-30°	401.0	11.9
30°-40°	468.4	13.9
40°-50°	470.4	14.0
50°-60°	414.0	12.3
60°-70°	307.9	9.2
70°-80°	168.8	5.0
80°-90°	38.4	1.1
90°-100°	19.3	0.6
100°-110°	61.3	1.8
110°-120°	115.6	3.4
120°-130°	145.4	4.3
130°-140°	143.2	4.3
140°-150°	115.4	3.4
150°-160°	73.9	2.2
160°-170°	40.4	1.2
170°-180°	12.8	0.4
0°-30°	769.1	22.9
0°-40°	1237.5	36.8
0°-60°	2121.8	63.1
0°-90°	2636.9	78.4
90°-120°	196.3	5.8
90°-150°	600.3	17.8
90°-180°	727.0	21.6
0°-180°	3364.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1016	1014	1010	1014	1014	97
15°	973	967	959	968	964	273
25°	876	874	868	868	865	404
35°	759	755	748	745	742	474
45°	619	617	609	602	602	477
55°	469	471	463	456	452	420
65°	318	318	309	306	302	315
75°	162	162	159	156	157	172
85°	28	29	29	31	30	36
90°	1	2	3	4	3	3
95°	18	17	17	19	19	18
105°	51	82	53	53	48	54
115°	82	162	128	98	90	81
125°	104	166	184	170	168	93
135°	119	149	215	218	210	92
145°	128	144	187	225	234	80
155°	129	139	156	178	188	60
165°	131	135	142	149	151	37
175°	132	132	133	133	133	13
180°	131	131	131	131	131	



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CATALOG NUMBER: J2-WL-40L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1020.5	1020.5	1020.5	1020.5	1020.5
2.5°	1020.5	1018.8	1012.9	1018.0	1018.8
5°	1016.3	1013.7	1009.5	1013.7	1013.7
7.5°	1012.0	1007.8	1002.7	1005.2	1003.5
10°	1000.1	998.4	991.7	995.0	993.4
12.5°	986.6	984.0	975.5	982.3	980.6
15°	973.0	967.0	959.4	967.9	964.5
17.5°	950.0	948.3	939.8	947.5	942.4
20°	926.2	925.4	918.6	922.0	921.1
22.5°	902.4	899.9	895.6	896.5	895.6
25°	876.1	874.4	868.4	867.6	865.0
27.5°	848.9	848.0	839.5	839.5	838.7
30°	820.9	818.3	809.8	809.8	808.1
32.5°	791.1	786.9	779.2	777.5	773.3
35°	758.8	754.6	747.8	745.2	741.8
37.5°	722.3	721.4	712.9	710.4	707.8
40°	689.1	686.6	678.9	676.4	672.1
42.5°	653.5	653.5	644.1	638.2	636.5
45°	618.6	616.9	609.3	602.5	601.6
47.5°	582.1	581.2	575.3	565.1	565.1
50°	546.4	544.7	536.2	529.4	526.0
52.5°	507.3	509.8	501.3	493.7	489.5
55°	469.1	470.8	463.1	456.3	452.1
57.5°	432.5	433.4	424.9	419.8	416.4
60°	396.0	395.1	386.6	382.4	381.5
62.5°	357.7	356.0	349.2	345.0	340.7
65°	317.8	317.8	309.3	305.9	302.5
67.5°	280.4	277.9	271.9	268.5	264.3
70°	239.6	238.8	233.7	231.1	228.6
72.5°	203.1	200.5	198.0	194.6	192.0
75°	161.5	161.5	158.9	156.4	157.2
77.5°	125.8	124.9	122.4	120.7	120.7
80°	86.7	88.4	87.5	86.7	85.0
82.5°	56.1	56.9	54.4	54.4	55.2
85°	28.0	28.9	28.9	30.6	29.7
87.5°	9.3	10.2	11.9	12.7	12.7
90°	0.8	2.5	3.4	4.2	3.4
92.5°	9.3	10.2	12.7	12.7	12.7
95°	17.8	17.0	17.0	18.7	18.7
97.5°	26.3	27.2	21.2	22.1	22.1
100°	34.8	42.5	32.3	26.3	26.3
102.5°	43.3	62.0	42.5	37.4	34.0
105°	51.0	81.6	52.7	52.7	47.6
107.5°	58.6	99.4	66.3	55.2	55.2
110°	66.3	123.2	85.8	66.3	62.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	74.8	146.2	107.1	79.9	74.8
115°	81.6	162.3	127.5	97.7	90.1
117.5°	88.4	169.1	143.6	118.1	107.9
120°	94.3	171.6	155.5	139.4	129.2
122.5°	99.4	170.8	165.7	158.9	150.4
125°	103.7	166.5	183.5	169.9	168.2
127.5°	107.9	160.6	198.8	179.3	178.4
130°	113.0	154.7	210.7	186.1	187.8
132.5°	116.4	150.4	215.8	202.2	194.6
135°	119.0	148.7	215.0	217.5	209.9
137.5°	122.4	147.0	212.4	226.9	223.5
140°	124.9	147.0	207.3	231.1	232.8
142.5°	126.6	145.3	198.8	230.3	236.2
145°	127.5	143.6	186.9	225.2	233.7
147.5°	128.3	142.8	175.9	217.5	228.6
150°	128.3	141.1	167.4	205.6	219.2
152.5°	129.2	140.2	161.5	191.2	203.9
155°	129.2	139.4	156.4	178.4	187.8
157.5°	130.0	137.7	151.3	168.2	175.0
160°	130.9	136.8	147.9	159.8	164.9
162.5°	130.9	136.0	144.5	153.8	157.2
165°	130.9	135.1	141.9	148.7	151.3
167.5°	130.9	134.3	138.5	144.5	146.2
170°	131.7	133.4	136.0	140.2	141.1
172.5°	131.7	132.6	134.3	136.8	136.8
175°	131.7	131.7	132.6	133.4	133.4
177.5°	131.7	131.7	131.7	131.7	131.7
180°	130.9	130.9	130.9	130.9	130.9

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