

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: P253430

Luminaire Tested: **J2-WL-40L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253430
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3697.0 lumens
Efficiency: N/A
Efficacy: 96.8 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

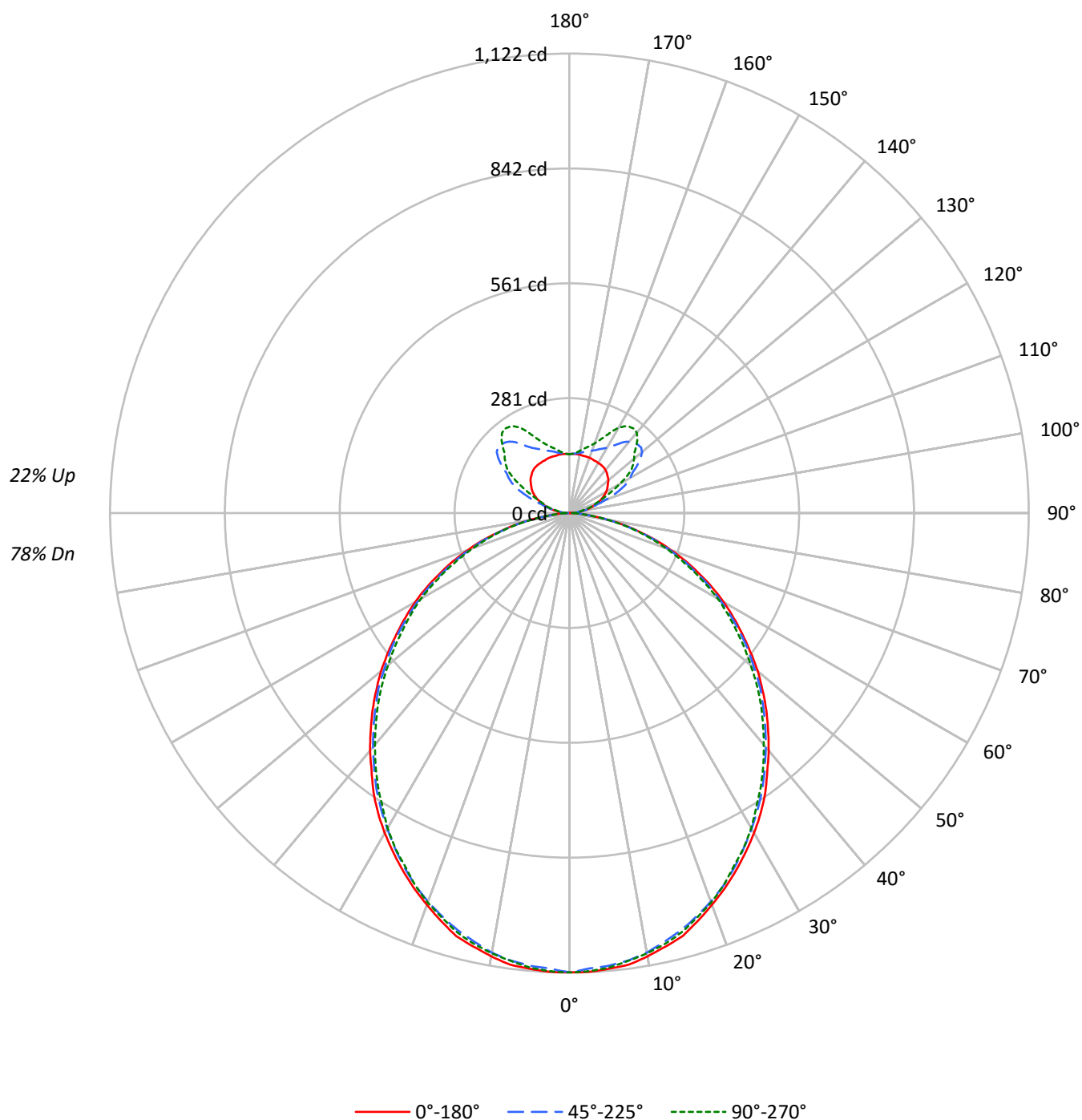
Input Watts (W): 38.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	9054	9054	9054
5°	9050	8990	9028
10°	9010	8934	8948
15°	8936	8812	8858
20°	8745	8673	8697
25°	8576	8501	8467
30°	8409	8295	8279
35°	8218	8099	8034
40°	7981	7863	7785
45°	7761	7644	7548
50°	7541	7400	7259
55°	7256	7163	6992
60°	7027	6860	6770
65°	6670	6493	6350
70°	6215	6061	5929
75°	5533	5446	5390
80°	4426	4472	4342
85°	2853	2936	3029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	2.9
10°-20°	298.8	8.1
20°-30°	440.7	11.9
30°-40°	514.7	13.9
40°-50°	516.9	14.0
50°-60°	455.0	12.3
60°-70°	338.4	9.2
70°-80°	185.4	5.0
80°-90°	42.2	1.1
90°-100°	21.3	0.6
100°-110°	67.4	1.8
110°-120°	127.0	3.4
120°-130°	159.8	4.3
130°-140°	157.4	4.3
140°-150°	126.8	3.4
150°-160°	81.2	2.2
160°-170°	44.4	1.2
170°-180°	14.1	0.4
0°-30°	845.2	22.9
0°-40°	1359.9	36.8
0°-60°	2331.8	63.1
0°-90°	2897.8	78.4
90°-120°	215.7	5.8
90°-150°	659.7	17.8
90°-180°	799.0	21.6
0°-180°	3697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1117	1114	1109	1114	1114	106
15°	1069	1063	1054	1064	1060	300
25°	963	961	954	953	951	444
35°	834	829	822	819	815	521
45°	680	678	670	662	661	524
55°	516	517	509	502	497	462
65°	349	349	340	336	332	346
75°	177	177	175	172	173	189
85°	31	32	32	34	33	39
90°	1	3	4	5	4	3
95°	20	19	19	20	20	20
105°	56	90	58	58	52	59
115°	90	178	140	107	99	88
125°	114	183	202	187	185	102
135°	131	163	236	239	231	101
145°	140	158	205	248	257	88
155°	142	153	172	196	206	66
165°	144	148	156	163	166	41
175°	145	145	146	147	147	14
180°	144	144	144	144	144	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1121.5	1121.5	1121.5	1121.5	1121.5
2.5°	1121.5	1119.6	1113.1	1118.7	1119.6
5°	1116.8	1114.0	1109.4	1114.0	1114.0
7.5°	1112.2	1107.5	1101.9	1104.7	1102.8
10°	1099.1	1097.2	1089.8	1093.5	1091.6
12.5°	1084.2	1081.4	1072.0	1079.5	1077.6
15°	1069.2	1062.7	1054.3	1063.6	1059.9
17.5°	1044.0	1042.1	1032.8	1041.2	1035.6
20°	1017.9	1016.9	1009.5	1013.2	1012.3
22.5°	991.7	988.9	984.2	985.2	984.2
25°	962.8	960.9	954.4	953.4	950.6
27.5°	932.9	932.0	922.6	922.6	921.7
30°	902.1	899.3	889.9	889.9	888.1
32.5°	869.4	864.7	856.3	854.4	849.8
35°	833.9	829.2	821.8	819.0	815.2
37.5°	793.7	792.8	783.5	780.7	777.9
40°	757.3	754.5	746.1	743.3	738.7
42.5°	718.1	718.1	707.8	701.3	699.4
45°	679.8	678.0	669.5	662.1	661.1
47.5°	639.7	638.7	632.2	621.0	621.0
50°	600.4	598.6	589.2	581.8	578.0
52.5°	557.5	560.3	551.0	542.5	537.9
55°	515.5	517.3	508.9	501.5	496.8
57.5°	475.3	476.2	466.9	461.3	457.6
60°	435.2	434.2	424.9	420.2	419.3
62.5°	393.1	391.3	383.8	379.1	374.5
65°	349.2	349.2	339.9	336.2	332.4
67.5°	308.2	305.4	298.8	295.1	290.4
70°	263.3	262.4	256.8	254.0	251.2
72.5°	223.2	220.4	217.6	213.8	211.0
75°	177.4	177.4	174.6	171.8	172.8
77.5°	138.2	137.3	134.5	132.6	132.6
80°	95.2	97.1	96.2	95.2	93.4
82.5°	61.6	62.6	59.8	59.8	60.7
85°	30.8	31.7	31.7	33.6	32.7
87.5°	10.3	11.2	13.1	14.0	14.0
90°	0.9	2.8	3.7	4.7	3.7
92.5°	10.3	11.2	14.0	14.0	14.0
95°	19.6	18.7	18.7	20.5	20.5
97.5°	28.9	29.9	23.3	24.3	24.3
100°	38.3	46.7	35.5	28.9	28.9
102.5°	47.6	68.2	46.7	41.1	37.4
105°	56.0	89.6	57.9	57.9	52.3
107.5°	64.4	109.3	72.8	60.7	60.7
110°	72.8	135.4	94.3	72.8	69.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	82.2	160.6	117.7	87.8	82.2
115°	89.6	178.4	140.1	107.4	99.0
117.5°	97.1	185.8	157.8	129.8	118.6
120°	103.7	188.6	170.9	153.1	141.9
122.5°	109.3	187.7	182.1	174.6	165.3
125°	113.9	183.0	201.7	186.8	184.9
127.5°	118.6	176.5	218.5	197.0	196.1
130°	124.2	170.0	231.6	204.5	206.4
132.5°	127.9	165.3	237.2	222.2	213.8
135°	130.7	163.4	236.3	239.1	230.7
137.5°	134.5	161.6	233.5	249.3	245.6
140°	137.3	161.6	227.9	254.0	255.9
142.5°	139.1	159.7	218.5	253.1	259.6
145°	140.1	157.8	205.4	247.5	256.8
147.5°	141.0	156.9	193.3	239.1	251.2
150°	141.0	155.0	184.0	226.0	240.9
152.5°	141.9	154.1	177.4	210.1	224.1
155°	141.9	153.1	171.8	196.1	206.4
157.5°	142.9	151.3	166.2	184.9	192.4
160°	143.8	150.3	162.5	175.6	181.2
162.5°	143.8	149.4	158.7	169.0	172.8
165°	143.8	148.5	155.9	163.4	166.2
167.5°	143.8	147.5	152.2	158.7	160.6
170°	144.7	146.6	149.4	154.1	155.0
172.5°	144.7	145.7	147.5	150.3	150.3
175°	144.7	144.7	145.7	146.6	146.6
177.5°	144.7	144.7	144.7	144.7	144.7
180°	143.8	143.8	143.8	143.8	143.8

(END OF REPORT)