

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: P253428

Luminaire Tested: **J2-WL-40L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253428
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3636.4 lumens
Efficiency: N/A
Efficacy: 96.7 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

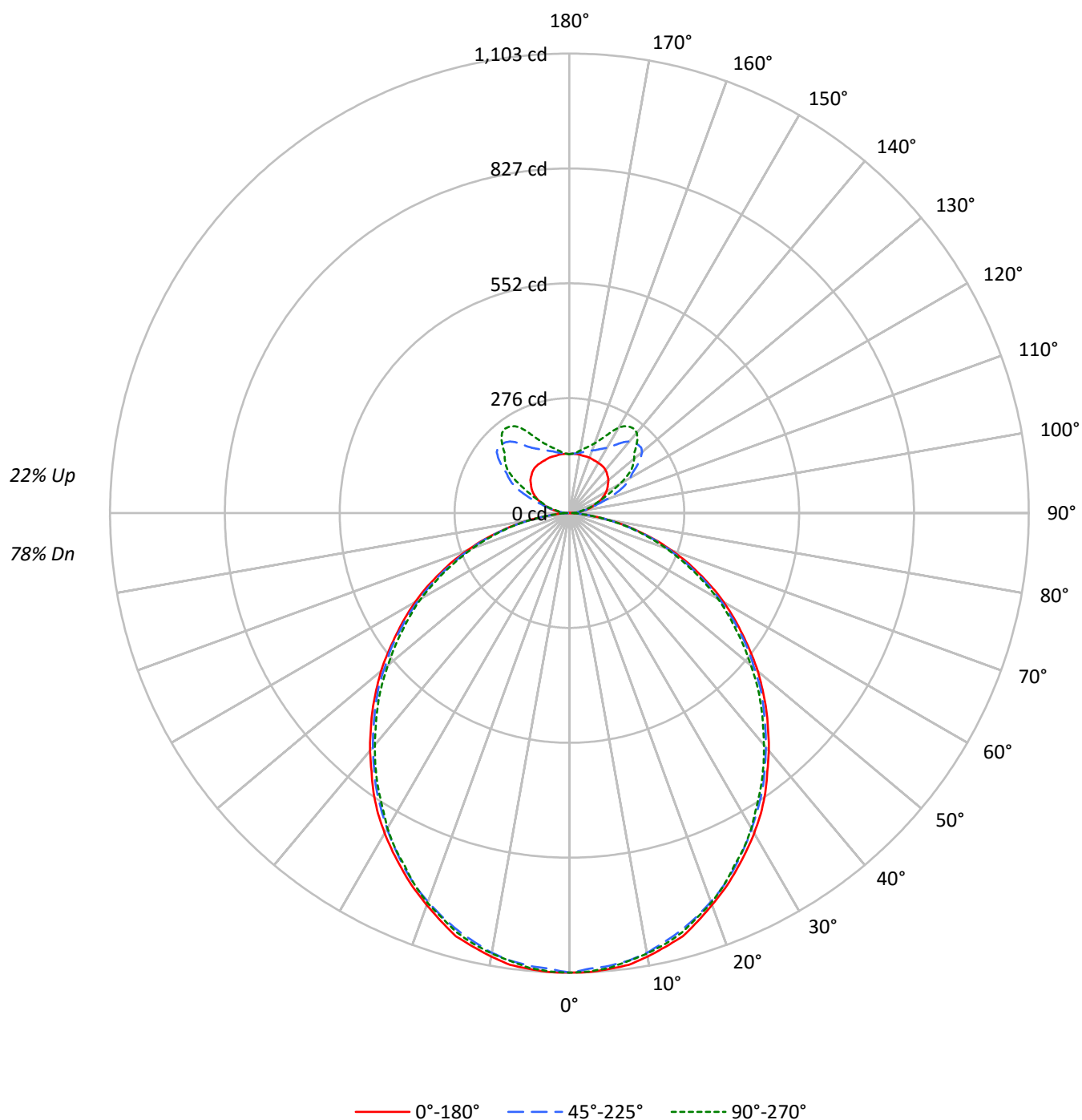
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	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	78		
1	104	100	96	92	99	95	92	89	87	84	82	80	78	76	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	47	43	40		
5	73	61	52	46	69	58	51	45	54	47	42	50	44	40	46	41	38	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31		
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24	22		
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8905	8905	8905
5°	8902	8843	8880
10°	8862	8787	8802
15°	8790	8667	8713
20°	8601	8530	8554
25°	8435	8361	8329
30°	8271	8159	8143
35°	8083	7966	7903
40°	7850	7734	7656
45°	7634	7519	7424
50°	7418	7279	7141
55°	7136	7046	6877
60°	6910	6747	6659
65°	6562	6386	6246
70°	6113	5962	5832
75°	5443	5359	5299
80°	4356	4398	4272
85°	2807	2890	2973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	2.9
10°-20°	293.9	8.1
20°-30°	433.5	11.9
30°-40°	506.3	13.9
40°-50°	508.4	14.0
50°-60°	447.5	12.3
60°-70°	332.8	9.2
70°-80°	182.4	5.0
80°-90°	41.5	1.1
90°-100°	20.9	0.6
100°-110°	66.3	1.8
110°-120°	124.9	3.4
120°-130°	157.2	4.3
130°-140°	154.8	4.3
140°-150°	124.7	3.4
150°-160°	79.8	2.2
160°-170°	43.6	1.2
170°-180°	13.8	0.4
0°-30°	831.3	22.9
0°-40°	1337.6	36.8
0°-60°	2293.5	63.1
0°-90°	2850.3	78.4
90°-120°	212.2	5.8
90°-150°	648.9	17.8
90°-180°	786.0	21.6
0°-180°	3636.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1103	1103	1103	1103	1103	
5°	1098	1096	1091	1096	1096	104
15°	1052	1045	1037	1046	1042	296
25°	947	945	939	938	935	436
35°	820	816	808	806	802	512
45°	669	667	659	651	650	516
55°	507	509	501	493	489	454
65°	344	344	334	331	327	341
75°	174	174	172	169	170	186
85°	30	31	31	33	32	39
90°	1	3	4	5	4	3
95°	19	18	18	20	20	20
105°	55	88	57	57	51	58
115°	88	175	138	106	97	87
125°	112	180	198	184	182	100
135°	129	161	232	235	227	100
145°	138	155	202	243	253	86
155°	140	151	169	193	203	65
165°	142	146	153	161	164	40
175°	142	142	143	144	144	14
180°	142	142	142	142	142	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1103.1	1103.1	1103.1	1103.1	1103.1
2.5°	1103.1	1101.3	1094.9	1100.4	1101.3
5°	1098.5	1095.8	1091.2	1095.8	1095.8
7.5°	1093.9	1089.4	1083.8	1086.6	1084.8
10°	1081.1	1079.3	1071.9	1075.6	1073.7
12.5°	1066.4	1063.6	1054.5	1061.8	1060.0
15°	1051.7	1045.3	1037.0	1046.2	1042.5
17.5°	1026.9	1025.1	1015.9	1024.1	1018.6
20°	1001.2	1000.3	992.9	996.6	995.7
22.5°	975.5	972.7	968.1	969.0	968.1
25°	947.0	945.1	938.7	937.8	935.0
27.5°	917.6	916.7	907.5	907.5	906.6
30°	887.3	884.5	875.3	875.3	873.5
32.5°	855.1	850.5	842.3	840.4	835.8
35°	820.2	815.6	808.3	805.5	801.9
37.5°	780.7	779.8	770.6	767.9	765.1
40°	744.9	742.2	733.9	731.1	726.5
42.5°	706.3	706.3	696.2	689.8	688.0
45°	668.7	666.8	658.6	651.2	650.3
47.5°	629.2	628.3	621.8	610.8	610.8
50°	590.6	588.8	579.6	572.2	568.6
52.5°	548.4	551.1	541.9	533.7	529.1
55°	507.0	508.9	500.6	493.2	488.6
57.5°	467.5	468.4	459.3	453.7	450.1
60°	428.0	427.1	417.9	413.3	412.4
62.5°	386.7	384.9	377.5	372.9	368.3
65°	343.5	343.5	334.3	330.7	327.0
67.5°	303.1	300.4	293.9	290.2	285.7
70°	259.0	258.1	252.6	249.8	247.1
72.5°	219.5	216.8	214.0	210.3	207.6
75°	174.5	174.5	171.8	169.0	169.9
77.5°	135.9	135.0	132.3	130.4	130.4
80°	93.7	95.5	94.6	93.7	91.9
82.5°	60.6	61.5	58.8	58.8	59.7
85°	30.3	31.2	31.2	33.1	32.1
87.5°	10.1	11.0	12.9	13.8	13.8
90°	0.9	2.8	3.7	4.6	3.7
92.5°	10.1	11.0	13.8	13.8	13.8
95°	19.3	18.4	18.4	20.2	20.2
97.5°	28.5	29.4	23.0	23.9	23.9
100°	37.7	45.9	34.9	28.5	28.5
102.5°	46.8	67.1	45.9	40.4	36.7
105°	55.1	88.2	56.9	56.9	51.4
107.5°	63.4	107.5	71.6	59.7	59.7
110°	71.6	133.2	92.8	71.6	68.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	80.8	158.0	115.7	86.3	80.8
115°	88.2	175.4	137.8	105.6	97.4
117.5°	95.5	182.8	155.2	127.7	116.7
120°	102.0	185.5	168.1	150.6	139.6
122.5°	107.5	184.6	179.1	171.8	162.6
125°	112.1	180.0	198.4	183.7	181.9
127.5°	116.7	173.6	214.9	193.8	192.9
130°	122.2	167.2	227.8	201.2	203.0
132.5°	125.8	162.6	233.3	218.6	210.3
135°	128.6	160.7	232.4	235.1	226.9
137.5°	132.3	158.9	229.6	245.2	241.6
140°	135.0	158.9	224.1	249.8	251.7
142.5°	136.9	157.1	214.9	248.9	255.3
145°	137.8	155.2	202.1	243.4	252.6
147.5°	138.7	154.3	190.1	235.1	247.1
150°	138.7	152.5	180.9	222.3	237.0
152.5°	139.6	151.6	174.5	206.7	220.4
155°	139.6	150.6	169.0	192.9	203.0
157.5°	140.5	148.8	163.5	181.9	189.2
160°	141.5	147.9	159.8	172.7	178.2
162.5°	141.5	147.0	156.1	166.3	169.9
165°	141.5	146.0	153.4	160.7	163.5
167.5°	141.5	145.1	149.7	156.1	158.0
170°	142.4	144.2	147.0	151.6	152.5
172.5°	142.4	143.3	145.1	147.9	147.9
175°	142.4	142.4	143.3	144.2	144.2
177.5°	142.4	142.4	142.4	142.4	142.4
180°	141.5	141.5	141.5	141.5	141.5

(END OF REPORT)