

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: P274939

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274939
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-40L92765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
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: 3586.9 lumens
Efficiency: N/A
Efficacy: 95.9 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

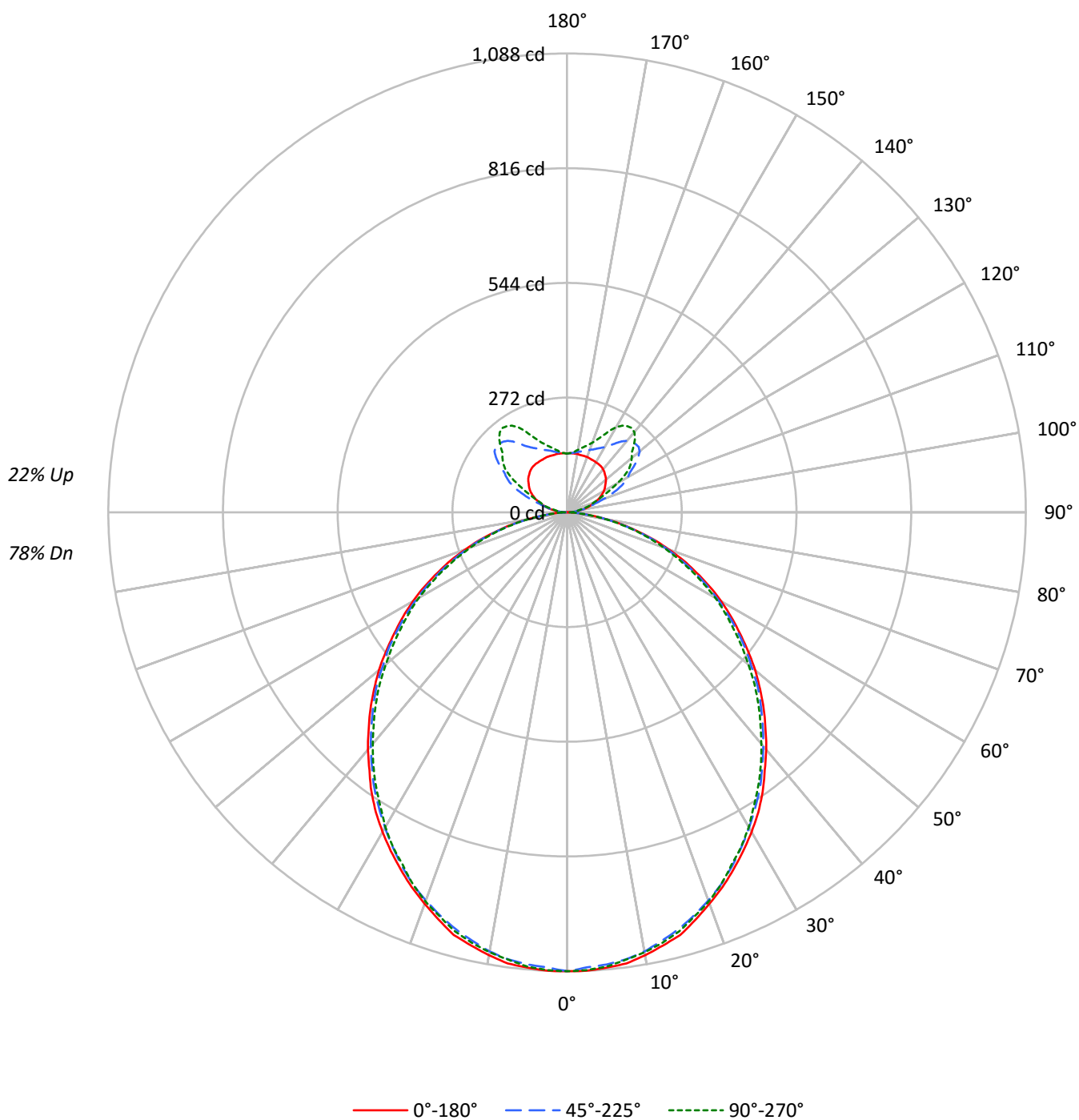
Input Watts (W): 37.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	8784	8784	8784
5°	8781	8722	8759
10°	8742	8667	8682
15°	8670	8549	8594
20°	8484	8414	8437
25°	8321	8247	8215
30°	8158	8048	8032
35°	7974	7858	7795
40°	7744	7629	7552
45°	7531	7416	7323
50°	7317	7180	7043
55°	7039	6950	6784
60°	6817	6655	6568
65°	6472	6300	6160
70°	6031	5882	5752
75°	5368	5284	5228
80°	4296	4338	4212
85°	2770	2853	2936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	2.9
10°-20°	289.9	8.1
20°-30°	427.6	11.9
30°-40°	499.4	13.9
40°-50°	501.5	14.0
50°-60°	441.4	12.3
60°-70°	328.3	9.2
70°-80°	179.9	5.0
80°-90°	40.9	1.1
90°-100°	20.6	0.6
100°-110°	65.4	1.8
110°-120°	123.2	3.4
120°-130°	155.1	4.3
130°-140°	152.7	4.3
140°-150°	123.0	3.4
150°-160°	78.8	2.2
160°-170°	43.1	1.2
170°-180°	13.6	0.4
0°-30°	820.0	22.9
0°-40°	1319.4	36.8
0°-60°	2262.3	63.1
0°-90°	2811.5	78.4
90°-120°	209.3	5.8
90°-150°	640.0	17.8
90°-180°	775.0	21.6
0°-180°	3586.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1084	1081	1076	1081	1081	103
15°	1037	1031	1023	1032	1028	291
25°	934	932	926	925	922	430
35°	809	804	797	795	791	505
45°	660	658	650	642	641	509
55°	500	502	494	486	482	448
65°	339	339	330	326	322	336
75°	172	172	169	167	168	184
85°	30	31	31	33	32	38
90°	1	3	4	4	4	3
95°	19	18	18	20	20	19
105°	54	87	56	56	51	57
115°	87	173	136	104	96	86
125°	110	178	196	181	179	99
135°	127	159	229	232	224	98
145°	136	153	199	240	249	85
155°	138	149	167	190	200	64
165°	140	144	151	159	161	40
175°	140	140	141	142	142	13
180°	140	140	140	140	140	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.1	1088.1	1088.1	1088.1	1088.1
2.5°	1088.1	1086.3	1080.0	1085.4	1086.3
5°	1083.6	1080.9	1076.3	1080.9	1080.9
7.5°	1079.0	1074.5	1069.1	1071.8	1070.0
10°	1066.4	1064.6	1057.3	1060.9	1059.1
12.5°	1051.9	1049.2	1040.1	1047.3	1045.5
15°	1037.4	1031.0	1022.9	1031.9	1028.3
17.5°	1012.9	1011.1	1002.0	1010.2	1004.8
20°	987.5	986.6	979.4	983.0	982.1
22.5°	962.2	959.5	954.9	955.8	954.9
25°	934.1	932.3	925.9	925.0	922.3
27.5°	905.1	904.2	895.1	895.1	894.2
30°	875.2	872.5	863.4	863.4	861.6
32.5°	843.5	839.0	830.8	829.0	824.5
35°	809.1	804.5	797.3	794.6	790.9
37.5°	770.1	769.2	760.1	757.4	754.7
40°	734.8	732.0	723.9	721.2	716.6
42.5°	696.7	696.7	686.7	680.4	678.6
45°	659.6	657.8	649.6	642.4	641.4
47.5°	620.6	619.7	613.4	602.5	602.5
50°	582.6	580.7	571.7	564.4	560.8
52.5°	540.9	543.6	534.5	526.4	521.9
55°	500.1	501.9	493.8	486.5	482.0
57.5°	461.2	462.1	453.0	447.6	443.9
60°	422.2	421.3	412.2	407.7	406.8
62.5°	381.4	379.6	372.4	367.8	363.3
65°	338.8	338.8	329.8	326.2	322.5
67.5°	299.0	296.3	289.9	286.3	281.8
70°	255.5	254.6	249.2	246.4	243.7
72.5°	216.5	213.8	211.1	207.5	204.8
75°	172.1	172.1	169.4	166.7	167.6
77.5°	134.1	133.2	130.5	128.7	128.7
80°	92.4	94.2	93.3	92.4	90.6
82.5°	59.8	60.7	58.0	58.0	58.9
85°	29.9	30.8	30.8	32.6	31.7
87.5°	10.0	10.9	12.7	13.6	13.6
90°	0.9	2.7	3.6	4.5	3.6
92.5°	10.0	10.9	13.6	13.6	13.6
95°	19.0	18.1	18.1	19.9	19.9
97.5°	28.1	29.0	22.7	23.6	23.6
100°	37.1	45.3	34.4	28.1	28.1
102.5°	46.2	66.1	45.3	39.9	36.2
105°	54.4	87.0	56.2	56.2	50.7
107.5°	62.5	106.0	70.7	58.9	58.9
110°	70.7	131.4	91.5	70.7	67.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	79.7	155.8	114.2	85.2	79.7
115°	87.0	173.0	135.9	104.2	96.0
117.5°	94.2	180.3	153.1	125.9	115.1
120°	100.6	183.0	165.8	148.6	137.7
122.5°	106.0	182.1	176.7	169.4	160.4
125°	110.5	177.6	195.7	181.2	179.4
127.5°	115.1	171.2	212.0	191.2	190.3
130°	120.5	164.9	224.7	198.4	200.2
132.5°	124.1	160.4	230.1	215.6	207.5
135°	126.8	158.6	229.2	231.9	223.8
137.5°	130.5	156.7	226.5	241.9	238.3
140°	133.2	156.7	221.1	246.4	248.2
142.5°	135.0	154.9	212.0	245.5	251.9
145°	135.9	153.1	199.3	240.1	249.2
147.5°	136.8	152.2	187.5	231.9	243.7
150°	136.8	150.4	178.5	219.3	233.7
152.5°	137.7	149.5	172.1	203.9	217.4
155°	137.7	148.6	166.7	190.3	200.2
157.5°	138.6	146.8	161.3	179.4	186.6
160°	139.5	145.9	157.6	170.3	175.8
162.5°	139.5	145.0	154.0	164.0	167.6
165°	139.5	144.1	151.3	158.6	161.3
167.5°	139.5	143.1	147.7	154.0	155.8
170°	140.4	142.2	145.0	149.5	150.4
172.5°	140.4	141.3	143.1	145.9	145.9
175°	140.4	140.4	141.3	142.2	142.2
177.5°	140.4	140.4	140.4	140.4	140.4
180°	139.5	139.5	139.5	139.5	139.5

(END OF REPORT)