

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: P274936

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274936
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3226.7 lumens
Efficiency: N/A
Efficacy: 88.6 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

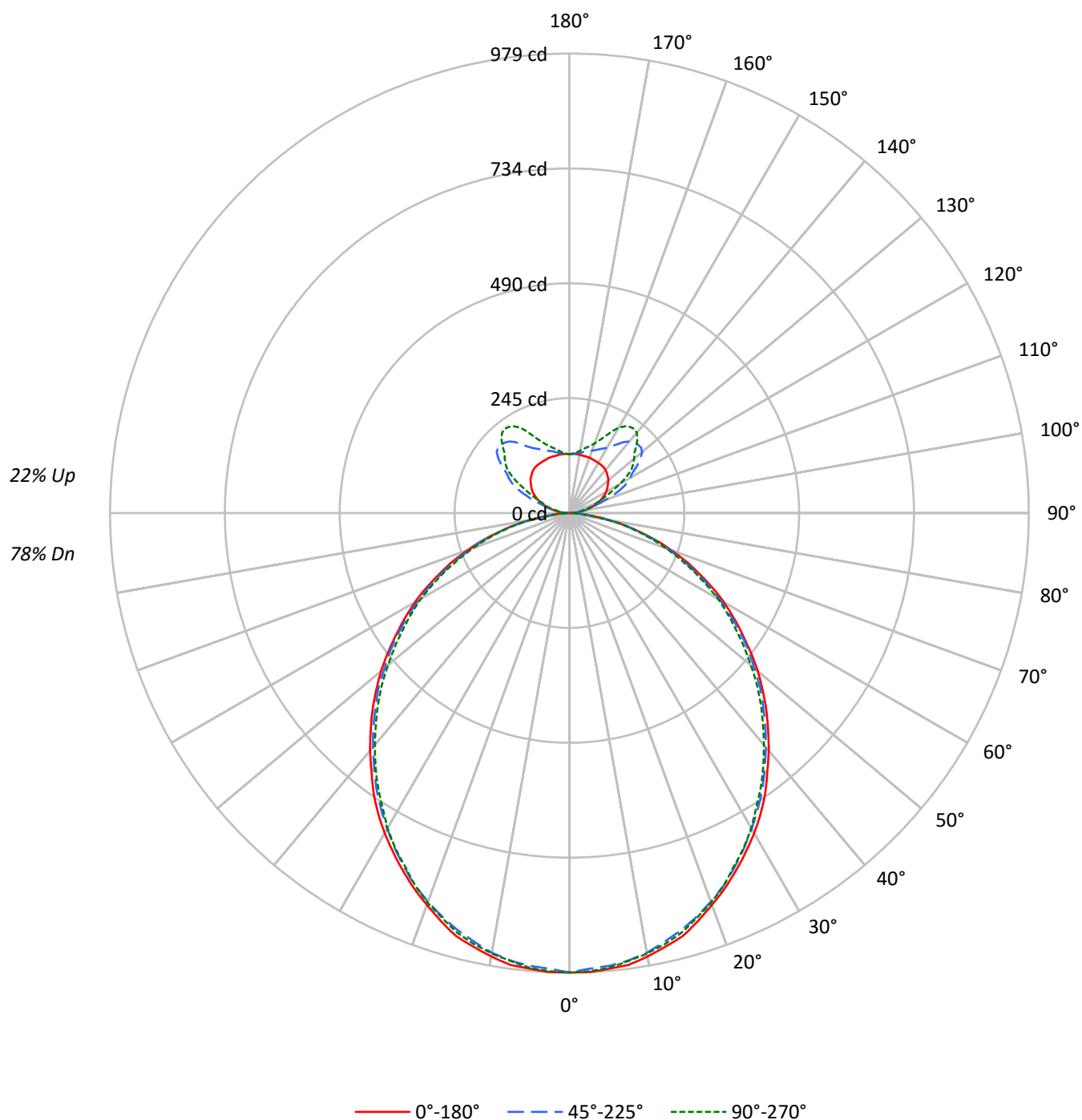
Input Watts (W): 36.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7902	7902	7902
5°	7899	7846	7879
10°	7864	7797	7810
15°	7799	7690	7731
20°	7632	7569	7590
25°	7485	7419	7391
30°	7339	7240	7225
35°	7173	7068	7012
40°	6966	6863	6794
45°	6774	6672	6588
50°	6581	6459	6336
55°	6332	6252	6103
60°	6132	5987	5908
65°	5822	5668	5542
70°	5424	5290	5174
75°	4832	4754	4704
80°	3863	3901	3789
85°	2492	2566	2640



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	2.9
10°-20°	260.8	8.1
20°-30°	384.6	11.9
30°-40°	449.2	13.9
40°-50°	451.1	14.0
50°-60°	397.1	12.3
60°-70°	295.3	9.2
70°-80°	161.9	5.0
80°-90°	36.8	1.1
90°-100°	18.6	0.6
100°-110°	58.8	1.8
110°-120°	110.9	3.4
120°-130°	139.5	4.3
130°-140°	137.3	4.3
140°-150°	110.7	3.4
150°-160°	70.8	2.2
160°-170°	38.7	1.2
170°-180°	12.3	0.4
0°-30°	737.6	22.9
0°-40°	1186.9	36.8
0°-60°	2035.1	63.1
0°-90°	2529.1	78.4
90°-120°	188.3	5.8
90°-150°	575.8	17.8
90°-180°	698.0	21.6
0°-180°	3226.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	975	972	968	972	972	93
15°	933	928	920	928	925	262
25°	840	839	833	832	830	387
35°	728	724	717	715	712	454
45°	593	592	584	578	577	458
55°	450	452	444	438	434	403
65°	305	305	297	293	290	302
75°	155	155	152	150	151	165
85°	27	28	28	29	28	34
90°	1	2	3	4	3	3
95°	17	16	16	18	18	17
105°	49	78	50	50	46	52
115°	78	156	122	94	86	77
125°	99	160	176	163	161	89
135°	114	143	206	209	201	88
145°	122	138	179	216	224	77
155°	124	134	150	171	180	57
165°	126	130	136	143	145	36
175°	126	126	127	128	128	12
180°	126	126	126	126	126	



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CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.8	978.8	978.8	978.8	978.8
2.5°	978.8	977.2	971.5	976.4	977.2
5°	974.7	972.3	968.2	972.3	972.3
7.5°	970.7	966.6	961.7	964.1	962.5
10°	959.3	957.6	951.1	954.4	952.7
12.5°	946.2	943.8	935.6	942.1	940.5
15°	933.2	927.5	920.1	928.3	925.0
17.5°	911.2	909.5	901.4	908.7	903.8
20°	888.4	887.5	881.0	884.3	883.5
22.5°	865.5	863.1	859.0	859.8	859.0
25°	840.3	838.6	832.9	832.1	829.7
27.5°	814.2	813.4	805.2	805.2	804.4
30°	787.3	784.8	776.7	776.7	775.1
32.5°	758.8	754.7	747.4	745.7	741.7
35°	727.8	723.7	717.2	714.8	711.5
37.5°	692.8	691.9	683.8	681.3	678.9
40°	661.0	658.5	651.2	648.7	644.7
42.5°	626.7	626.7	617.8	612.1	610.4
45°	593.3	591.7	584.4	577.8	577.0
47.5°	558.3	557.5	551.8	542.0	542.0
50°	524.0	522.4	514.3	507.7	504.5
52.5°	486.6	489.0	480.9	473.5	469.4
55°	449.9	451.5	444.2	437.7	433.6
57.5°	414.8	415.7	407.5	402.6	399.4
60°	379.8	379.0	370.8	366.8	365.9
62.5°	343.1	341.5	335.0	330.9	326.8
65°	304.8	304.8	296.7	293.4	290.1
67.5°	269.0	266.5	260.8	257.5	253.5
70°	229.8	229.0	224.1	221.7	219.2
72.5°	194.8	192.3	189.9	186.6	184.2
75°	154.9	154.9	152.4	150.0	150.8
77.5°	120.6	119.8	117.4	115.7	115.7
80°	83.1	84.8	83.9	83.1	81.5
82.5°	53.8	54.6	52.2	52.2	53.0
85°	26.9	27.7	27.7	29.3	28.5
87.5°	9.0	9.8	11.4	12.2	12.2
90°	0.8	2.4	3.3	4.1	3.3
92.5°	9.0	9.8	12.2	12.2	12.2
95°	17.1	16.3	16.3	17.9	17.9
97.5°	25.3	26.1	20.4	21.2	21.2
100°	33.4	40.8	31.0	25.3	25.3
102.5°	41.6	59.5	40.8	35.9	32.6
105°	48.9	78.2	50.5	50.5	45.6
107.5°	56.2	95.4	63.6	53.0	53.0
110°	63.6	118.2	82.3	63.6	60.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	71.7	140.2	102.7	76.6	71.7
115°	78.2	155.7	122.3	93.7	86.4
117.5°	84.8	162.2	137.7	113.3	103.5
120°	90.5	164.6	149.1	133.7	123.9
122.5°	95.4	163.8	158.9	152.4	144.3
125°	99.4	159.7	176.0	163.0	161.4
127.5°	103.5	154.0	190.7	172.0	171.2
130°	108.4	148.3	202.1	178.5	180.1
132.5°	111.7	144.3	207.0	194.0	186.6
135°	114.1	142.6	206.2	208.6	201.3
137.5°	117.4	141.0	203.8	217.6	214.3
140°	119.8	141.0	198.9	221.7	223.3
142.5°	121.4	139.4	190.7	220.9	226.6
145°	122.3	137.7	179.3	216.0	224.1
147.5°	123.1	136.9	168.7	208.6	219.2
150°	123.1	135.3	160.6	197.2	210.3
152.5°	123.9	134.5	154.9	183.4	195.6
155°	123.9	133.7	150.0	171.2	180.1
157.5°	124.7	132.0	145.1	161.4	167.9
160°	125.5	131.2	141.8	153.2	158.1
162.5°	125.5	130.4	138.6	147.5	150.8
165°	125.5	129.6	136.1	142.6	145.1
167.5°	125.5	128.8	132.8	138.6	140.2
170°	126.3	128.0	130.4	134.5	135.3
172.5°	126.3	127.1	128.8	131.2	131.2
175°	126.3	126.3	127.1	128.0	128.0
177.5°	126.3	126.3	126.3	126.3	126.3
180°	125.5	125.5	125.5	125.5	125.5

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