

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: P274935

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274935
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3104.0 lumens
Efficiency: N/A
Efficacy: 84.8 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

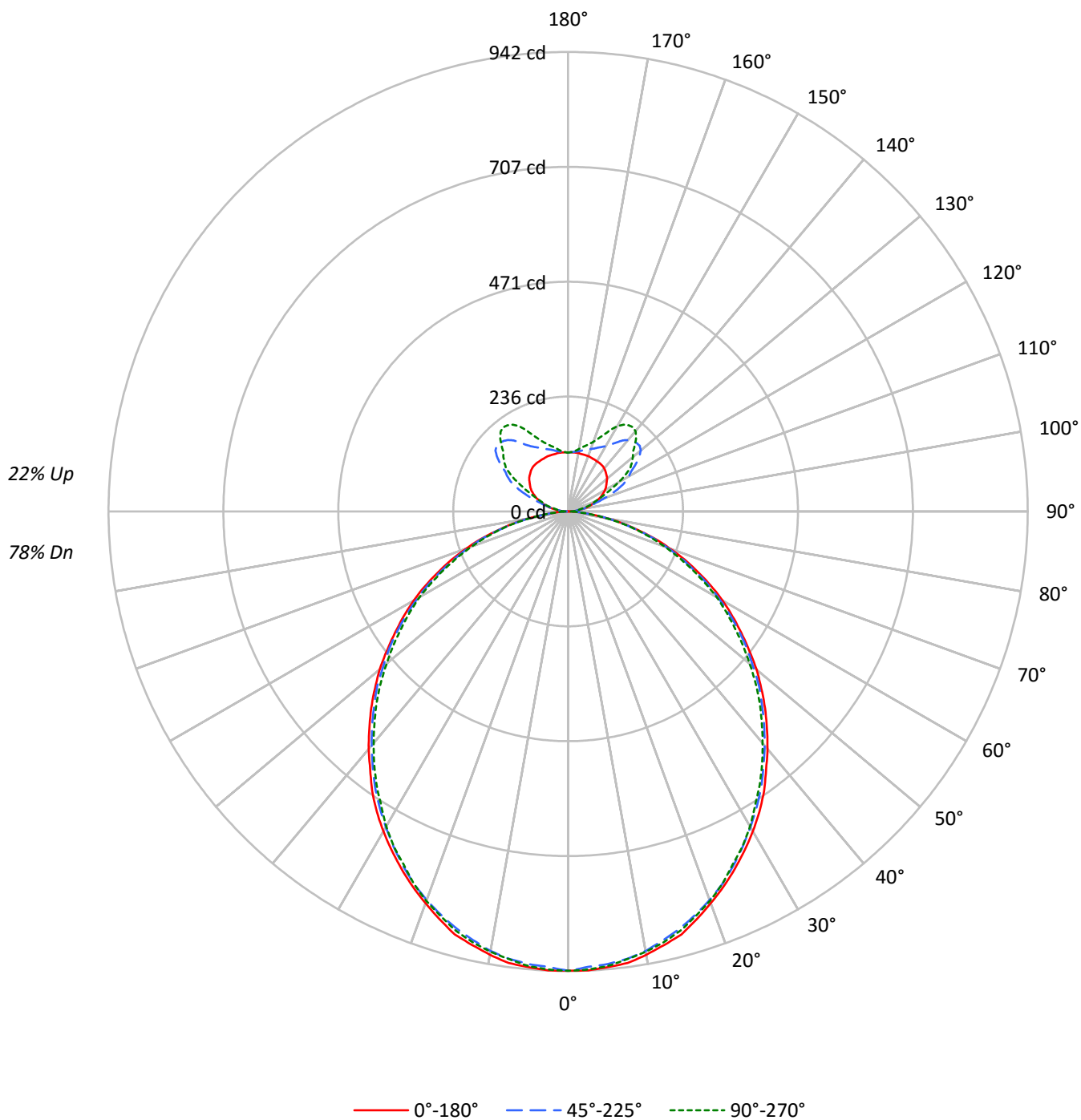
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7601	7601	7601
5°	7599	7548	7579
10°	7565	7500	7513
15°	7503	7397	7437
20°	7342	7281	7302
25°	7200	7137	7109
30°	7059	6965	6950
35°	6900	6799	6745
40°	6700	6601	6535
45°	6517	6417	6338
50°	6331	6213	6095
55°	6092	6014	5871
60°	5898	5759	5683
65°	5601	5452	5331
70°	5219	5089	4978
75°	4648	4573	4523
80°	3719	3756	3645
85°	2399	2473	2538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	2.9
10°-20°	250.9	8.1
20°-30°	370.0	11.9
30°-40°	432.1	13.9
40°-50°	434.0	14.0
50°-60°	382.0	12.3
60°-70°	284.1	9.2
70°-80°	155.7	5.0
80°-90°	35.4	1.1
90°-100°	17.9	0.6
100°-110°	56.6	1.8
110°-120°	106.6	3.4
120°-130°	134.2	4.3
130°-140°	132.1	4.3
140°-150°	106.5	3.4
150°-160°	68.1	2.2
160°-170°	37.3	1.2
170°-180°	11.8	0.4
0°-30°	709.6	22.9
0°-40°	1141.7	36.8
0°-60°	1957.7	63.1
0°-90°	2432.9	78.4
90°-120°	181.1	5.8
90°-150°	553.9	17.8
90°-180°	671.0	21.6
0°-180°	3104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	942	942	942	942	942	
5°	938	935	931	935	935	89
15°	898	892	885	893	890	252
25°	808	807	801	800	798	372
35°	700	696	690	688	684	437
45°	571	569	562	556	555	440
55°	433	434	427	421	417	388
65°	293	293	285	282	279	291
75°	149	149	147	144	145	159
85°	26	27	27	28	27	33
90°	1	2	3	4	3	3
95°	16	16	16	17	17	17
105°	47	75	49	49	44	50
115°	75	150	118	90	83	74
125°	96	154	169	157	155	86
135°	110	137	198	201	194	85
145°	118	132	172	208	216	74
155°	119	129	144	165	173	55
165°	121	125	131	137	140	34
175°	122	122	122	123	123	12
180°	121	121	121	121	121	



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CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	941.6	941.6	941.6	941.6	941.6
2.5°	941.6	940.0	934.5	939.2	940.0
5°	937.7	935.3	931.4	935.3	935.3
7.5°	933.7	929.8	925.1	927.5	925.9
10°	922.8	921.2	914.9	918.1	916.5
12.5°	910.2	907.9	900.0	906.3	904.7
15°	897.7	892.2	885.1	893.0	889.8
17.5°	876.5	874.9	867.1	874.2	869.5
20°	854.6	853.8	847.5	850.6	849.9
22.5°	832.6	830.3	826.3	827.1	826.3
25°	808.3	806.7	801.2	800.5	798.1
27.5°	783.2	782.4	774.6	774.6	773.8
30°	757.3	755.0	747.2	747.2	745.6
32.5°	729.9	726.0	718.9	717.4	713.4
35°	700.1	696.2	689.9	687.6	684.4
37.5°	666.4	665.6	657.8	655.4	653.1
40°	635.8	633.5	626.4	624.1	620.1
42.5°	602.9	602.9	594.3	588.8	587.2
45°	570.8	569.2	562.1	555.9	555.1
47.5°	537.0	536.3	530.8	521.4	521.4
50°	504.1	502.5	494.7	488.4	485.3
52.5°	468.0	470.4	462.6	455.5	451.6
55°	432.8	434.3	427.3	421.0	417.1
57.5°	399.1	399.8	392.0	387.3	384.2
60°	365.3	364.6	356.7	352.8	352.0
62.5°	330.1	328.5	322.2	318.3	314.4
65°	293.2	293.2	285.4	282.2	279.1
67.5°	258.7	256.4	250.9	247.7	243.8
70°	221.1	220.3	215.6	213.2	210.9
72.5°	187.4	185.0	182.7	179.5	177.2
75°	149.0	149.0	146.6	144.3	145.0
77.5°	116.0	115.2	112.9	111.3	111.3
80°	80.0	81.5	80.8	80.0	78.4
82.5°	51.7	52.5	50.2	50.2	51.0
85°	25.9	26.7	26.7	28.2	27.4
87.5°	8.6	9.4	11.0	11.8	11.8
90°	0.8	2.4	3.1	3.9	3.1
92.5°	8.6	9.4	11.8	11.8	11.8
95°	16.5	15.7	15.7	17.2	17.2
97.5°	24.3	25.1	19.6	20.4	20.4
100°	32.1	39.2	29.8	24.3	24.3
102.5°	40.0	57.2	39.2	34.5	31.4
105°	47.0	75.3	48.6	48.6	43.9
107.5°	54.1	91.7	61.2	51.0	51.0
110°	61.2	113.7	79.2	61.2	58.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	69.0	134.8	98.8	73.7	69.0
115°	75.3	149.7	117.6	90.2	83.1
117.5°	81.5	156.0	132.5	109.0	99.6
120°	87.0	158.4	143.5	128.6	119.2
122.5°	91.7	157.6	152.9	146.6	138.8
125°	95.6	153.7	169.3	156.8	155.2
127.5°	99.6	148.2	183.5	165.4	164.6
130°	104.3	142.7	194.4	171.7	173.3
132.5°	107.4	138.8	199.1	186.6	179.5
135°	109.8	137.2	198.4	200.7	193.6
137.5°	112.9	135.6	196.0	209.3	206.2
140°	115.2	135.6	191.3	213.2	214.8
142.5°	116.8	134.1	183.5	212.5	218.0
145°	117.6	132.5	172.5	207.8	215.6
147.5°	118.4	131.7	162.3	200.7	210.9
150°	118.4	130.1	154.4	189.7	202.3
152.5°	119.2	129.4	149.0	176.4	188.2
155°	119.2	128.6	144.3	164.6	173.3
157.5°	120.0	127.0	139.6	155.2	161.5
160°	120.7	126.2	136.4	147.4	152.1
162.5°	120.7	125.4	133.3	141.9	145.0
165°	120.7	124.7	130.9	137.2	139.6
167.5°	120.7	123.9	127.8	133.3	134.8
170°	121.5	123.1	125.4	129.4	130.1
172.5°	121.5	122.3	123.9	126.2	126.2
175°	121.5	121.5	122.3	123.1	123.1
177.5°	121.5	121.5	121.5	121.5	121.5
180°	120.7	120.7	120.7	120.7	120.7

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