

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: P275013

Luminaire Tested: **J3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4008.6 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

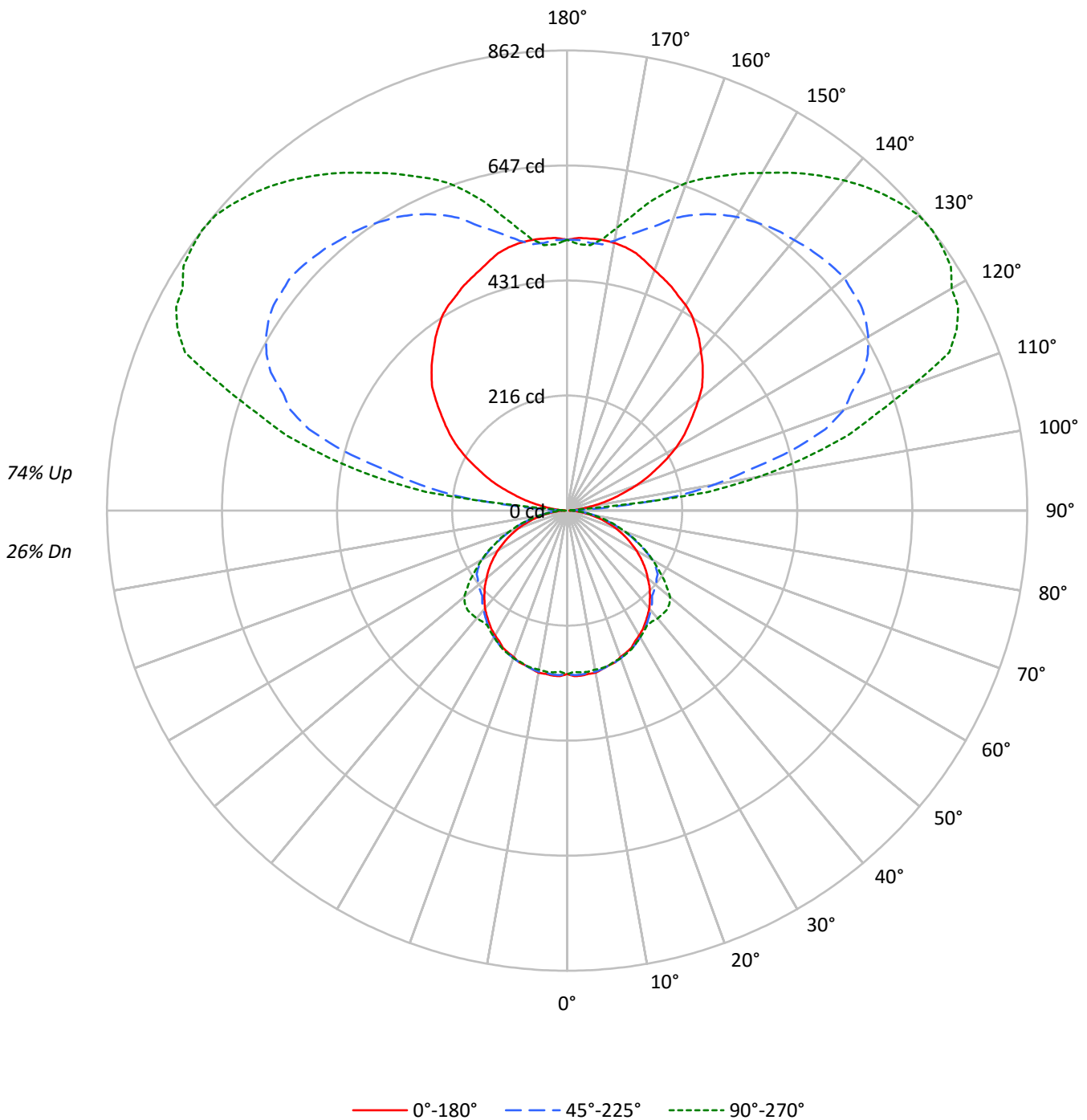
Input Watts (W): 28.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2473	2473	2473
5°	2515	2499	2466
10°	2528	2511	2478
15°	2510	2510	2510
20°	2509	2527	2527
25°	2530	2548	2548
30°	2515	2553	2553
35°	2519	2559	2579
40°	2523	2566	2779
45°	2501	2571	3011
50°	2472	2727	3160
55°	2456	2912	3084
60°	2423	2981	2981
65°	2365	2829	2867
70°	2299	2681	2729
75°	2152	2533	2595
80°	1980	2450	2357
85°	1880	2631	2251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	0.7
10°-20°	84.8	2.1
20°-30°	131.0	3.3
30°-40°	162.5	4.1
40°-50°	181.9	4.5
50°-60°	177.7	4.4
60°-70°	140.2	3.5
70°-80°	84.8	2.1
80°-90°	30.2	0.8
90°-100°	104.1	2.6
100°-110°	402.7	10.0
110°-120°	553.4	13.8
120°-130°	559.8	14.0
130°-140°	496.2	12.4
140°-150°	392.4	9.8
150°-160°	274.0	6.8
160°-170°	155.1	3.9
170°-180°	48.6	1.2
0°-30°	245.0	6.1
0°-40°	407.6	10.2
0°-60°	767.1	19.1
0°-90°	1022.4	25.5
90°-120°	1060.2	26.4
90°-150°	2508.5	62.6
90°-180°	2986.0	74.5
0°-180°	4008.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	306	306	306	306	306	
5°	310	306	308	306	304	30
15°	300	298	300	300	300	85
25°	284	280	286	286	286	130
35°	256	256	260	262	262	160
45°	219	221	225	254	264	169
55°	174	176	207	219	219	156
65°	124	130	148	150	150	122
75°	69	81	81	83	83	73
85°	20	32	28	26	24	21
90°	4	12	10	2	2	4
95°	16	81	97	20	20	20
105°	89	288	436	503	544	95
115°	185	390	613	759	805	184
125°	278	450	672	818	858	249
135°	359	495	672	803	838	277
145°	420	507	651	747	771	263
155°	463	495	613	680	692	213
165°	499	497	544	590	598	140
175°	511	505	503	503	499	49
180°	507	507	507	507	507	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	306.3	306.3	306.3	306.3	306.3
2.5°	310.4	306.3	308.4	306.3	302.3
5°	310.4	306.3	308.4	306.3	304.3
7.5°	308.4	306.3	306.3	304.3	304.3
10°	308.4	304.3	306.3	304.3	302.3
12.5°	304.3	302.3	304.3	302.3	302.3
15°	300.3	298.2	300.3	300.3	300.3
17.5°	298.2	294.2	298.2	298.2	296.2
20°	292.1	290.1	294.2	294.2	294.2
22.5°	288.1	286.1	290.1	290.1	290.1
25°	284.0	280.0	286.1	286.1	286.1
27.5°	275.9	275.9	280.0	282.0	280.0
30°	269.8	267.8	273.9	275.9	273.9
32.5°	263.7	261.7	267.8	269.8	267.8
35°	255.6	255.6	259.7	261.7	261.7
37.5°	247.5	247.5	251.6	253.6	261.7
40°	239.4	239.4	243.5	255.6	263.7
42.5°	229.3	229.3	235.3	253.6	263.7
45°	219.1	221.1	225.2	253.6	263.7
47.5°	209.0	211.0	221.1	251.6	259.7
50°	196.8	200.8	217.1	245.5	251.6
52.5°	186.6	188.7	211.0	235.3	235.3
55°	174.5	176.5	206.9	219.1	219.1
57.5°	162.3	164.3	196.8	200.8	200.8
60°	150.1	152.2	184.6	184.6	184.6
62.5°	135.9	140.0	166.4	168.4	168.4
65°	123.8	129.8	148.1	150.1	150.1
67.5°	109.6	119.7	131.9	133.9	133.9
70°	97.4	109.6	113.6	115.6	115.6
72.5°	83.2	95.4	97.4	99.4	99.4
75°	69.0	81.2	81.2	83.2	83.2
77.5°	54.8	64.9	66.9	66.9	66.9
80°	42.6	48.7	52.7	50.7	50.7
82.5°	30.4	38.5	38.5	38.5	36.5
85°	20.3	32.5	28.4	26.4	24.3
87.5°	12.2	28.4	16.2	14.2	14.2
90°	4.1	12.2	10.1	2.0	2.0
92.5°	8.1	20.3	10.1	8.1	6.1
95°	16.2	81.2	97.4	20.3	20.3
97.5°	30.4	135.9	209.0	247.5	265.8
100°	46.7	202.9	280.0	342.9	365.2
102.5°	66.9	245.5	344.9	424.0	456.5
105°	89.3	288.1	436.2	503.1	543.7
107.5°	111.6	320.5	507.2	582.3	610.7
110°	138.0	346.9	551.8	681.7	689.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	162.3	367.2	576.2	730.4	775.0
115°	184.6	389.5	612.7	758.8	805.4
117.5°	211.0	405.8	635.0	775.0	825.7
120°	235.3	420.0	651.2	795.3	831.8
122.5°	257.7	436.2	663.4	811.5	852.1
125°	277.9	450.4	671.5	817.6	858.2
127.5°	298.2	462.6	673.6	819.6	862.2
130°	320.5	474.7	677.6	817.6	860.2
132.5°	342.9	486.9	675.6	811.5	850.1
135°	359.1	495.0	671.5	803.4	837.9
137.5°	375.3	501.1	667.5	791.2	823.7
140°	389.5	505.2	661.4	777.0	807.5
142.5°	405.8	507.2	657.3	762.8	789.2
145°	420.0	507.2	651.2	746.6	770.9
147.5°	434.2	505.2	643.1	730.4	750.6
150°	444.3	501.1	635.0	714.1	730.4
152.5°	452.4	497.1	624.9	695.9	712.1
155°	462.6	495.0	612.7	679.6	691.8
157.5°	470.7	495.0	598.5	661.4	673.6
160°	478.8	495.0	582.3	643.1	653.3
162.5°	488.9	495.0	559.9	616.7	626.9
165°	499.1	497.1	543.7	590.4	598.5
167.5°	505.2	497.1	527.5	557.9	566.0
170°	509.2	501.1	513.3	535.6	537.6
172.5°	511.3	505.2	503.1	513.3	513.3
175°	511.3	505.2	503.1	503.1	499.1
177.5°	511.3	507.2	507.2	505.2	499.1
180°	507.2	507.2	507.2	507.2	507.2

(END OF REPORT)