

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: P253344

Luminaire Tested: **J3-FL-30L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-30L835-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

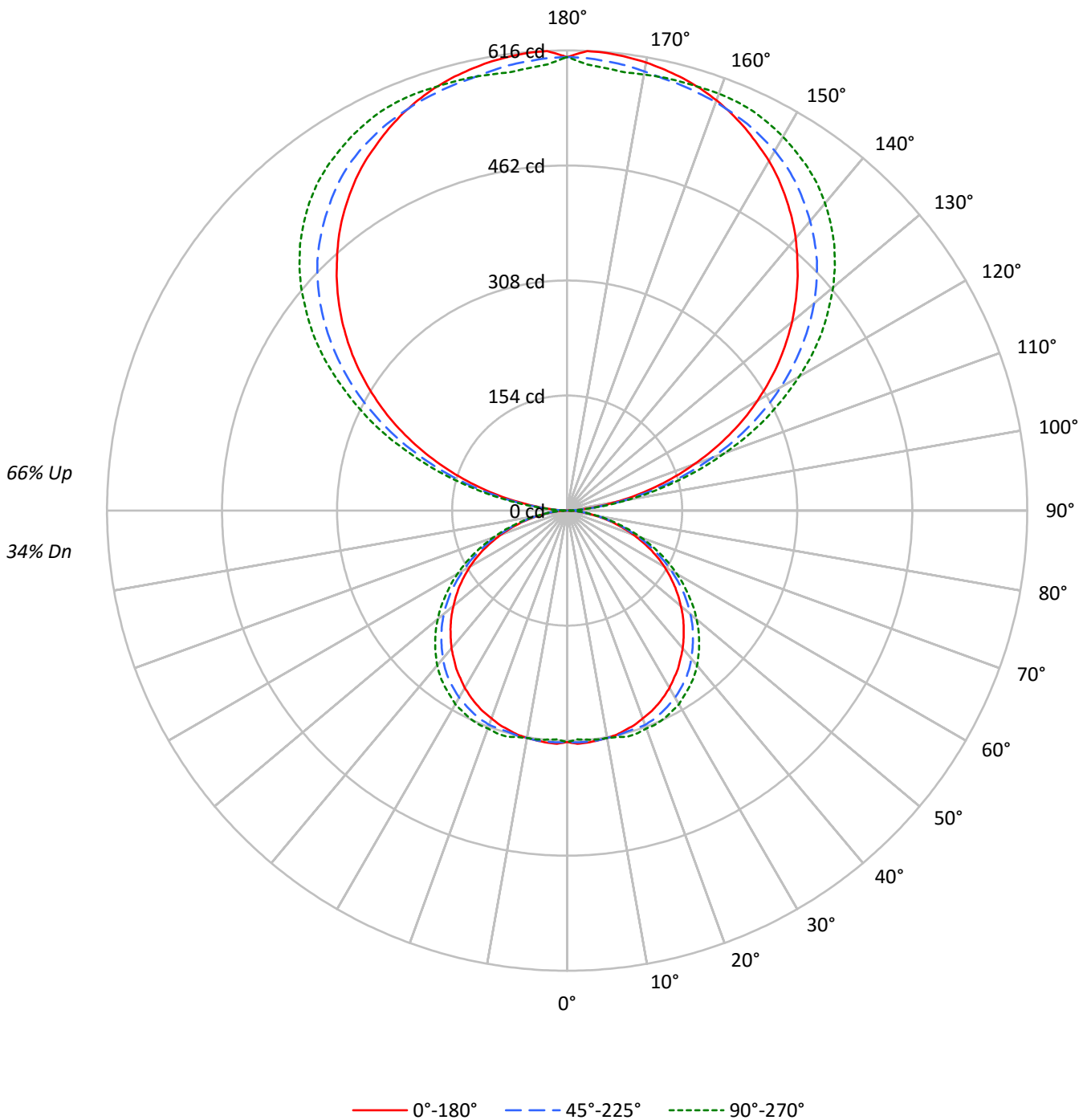
Lumens per Lamp: N/A
Luminaire Lumens: 2963.0 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
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				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2501	2501	2501
5°	2527	2516	2494
10°	2534	2534	2534
15°	2539	2562	2618
20°	2542	2622	2668
25°	2553	2660	2736
30°	2554	2696	2790
35°	2549	2719	2825
40°	2538	2725	2852
45°	2521	2717	2854
50°	2497	2707	2840
55°	2470	2669	2798
60°	2425	2598	2738
65°	2350	2500	2644
70°	2214	2356	2478
75°	2034	2158	2261
80°	1767	1888	1953
85°	1417	1464	1547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	1.0
10°-20°	86.9	2.9
20°-30°	136.9	4.6
30°-40°	171.1	5.8
40°-50°	182.3	6.2
50°-60°	168.2	5.7
60°-70°	129.1	4.4
70°-80°	73.2	2.5
80°-90°	19.3	0.7
90°-100°	31.1	1.0
100°-110°	146.2	4.9
110°-120°	265.0	8.9
120°-130°	340.3	11.5
130°-140°	362.1	12.2
140°-150°	333.1	11.2
150°-160°	263.8	8.9
160°-170°	167.5	5.7
170°-180°	57.4	1.9
0°-30°	253.4	8.6
0°-40°	424.5	14.3
0°-60°	775.0	26.2
0°-90°	996.6	33.6
90°-120°	442.2	14.9
90°-150°	1477.8	49.9
90°-180°	1966.0	66.4
0°-180°	2963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	310	310	310	310	310	
5°	312	309	310	310	308	30
15°	304	302	306	312	313	86
25°	287	287	299	305	307	132
35°	259	263	276	283	287	162
45°	221	227	238	245	250	170
55°	176	181	190	196	199	157
65°	123	126	131	136	138	121
75°	65	66	69	72	72	69
85°	15	16	16	17	17	17
90°	1	1	1	0	0	2
95°	21	21	23	25	26	27
105°	122	128	140	148	152	130
115°	239	249	271	287	295	236
125°	346	356	384	405	416	309
135°	436	443	473	493	505	336
145°	511	509	535	551	561	320
155°	564	557	571	583	590	260
165°	599	590	590	592	594	169
175°	615	608	604	599	594	58
180°	607	607	607	607	607	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	309.8	309.8	309.8	309.8	309.8
2.5°	312.5	309.8	310.5	310.5	306.5
5°	311.8	309.1	310.5	309.8	307.8
7.5°	310.5	308.5	310.5	310.5	309.1
10°	309.1	307.2	309.1	309.8	309.1
12.5°	307.2	305.2	308.5	309.8	310.5
15°	303.8	302.5	306.5	311.8	313.2
17.5°	300.6	299.9	305.9	311.8	312.5
20°	295.9	295.9	305.2	309.8	310.5
22.5°	292.0	292.0	302.5	307.2	309.8
25°	286.6	287.2	298.6	304.6	307.2
27.5°	280.6	282.6	293.9	300.6	303.2
30°	274.0	277.3	289.2	295.9	299.3
32.5°	266.1	270.6	282.6	289.2	292.6
35°	258.6	263.3	275.9	282.6	286.6
37.5°	249.4	255.3	268.0	274.6	279.3
40°	240.8	246.8	258.6	266.1	270.6
42.5°	230.7	237.3	248.7	256.0	260.6
45°	220.8	226.7	238.0	245.4	250.0
47.5°	210.1	216.2	227.5	234.1	238.6
50°	198.8	205.4	215.5	222.1	226.1
52.5°	187.4	193.5	202.8	209.5	213.4
55°	175.5	180.8	189.6	195.6	198.8
57.5°	162.8	168.2	175.5	181.5	184.8
60°	150.2	154.2	160.9	166.9	169.6
62.5°	136.9	140.4	146.3	151.0	154.2
65°	123.0	125.7	130.9	135.6	138.4
67.5°	108.4	111.0	115.6	119.7	121.7
70°	93.8	96.4	99.8	103.0	105.0
72.5°	79.7	81.1	84.4	87.2	88.5
75°	65.2	66.5	69.2	71.8	72.5
77.5°	51.9	52.5	54.6	55.9	56.5
80°	38.0	39.3	40.6	41.2	42.0
82.5°	25.9	26.6	27.2	27.9	28.5
85°	15.3	15.8	15.8	16.7	16.7
87.5°	6.6	7.3	7.3	7.3	7.3
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.6	6.6	7.3	7.9	8.6
95°	20.6	21.3	23.3	24.6	25.9
97.5°	41.2	42.6	46.5	49.9	51.2
100°	66.5	69.2	75.2	79.7	81.8
102.5°	93.8	97.7	106.4	113.0	116.4
105°	122.4	127.7	139.7	148.3	152.3
107.5°	151.6	158.3	173.6	183.5	188.8
110°	180.8	189.6	206.1	219.4	223.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	210.1	219.4	239.3	254.0	261.3
115°	239.3	249.4	270.6	287.2	295.3
117.5°	267.4	277.9	301.2	319.9	327.1
120°	293.9	305.2	330.5	349.8	358.4
122.5°	320.5	331.2	357.7	378.3	389.0
125°	345.8	356.4	383.7	404.9	416.2
127.5°	369.8	379.6	408.3	430.2	440.8
130°	392.9	402.3	431.5	452.9	464.8
132.5°	414.9	423.6	452.9	473.5	486.1
135°	436.2	442.8	472.8	493.3	505.4
137.5°	456.1	460.8	490.1	510.7	522.1
140°	476.1	477.5	506.0	525.3	537.2
142.5°	494.1	493.3	520.7	539.2	550.6
145°	510.7	508.7	534.6	551.2	561.2
147.5°	526.6	522.1	546.6	560.6	569.8
150°	540.5	534.6	555.9	569.8	577.8
152.5°	552.5	545.8	563.8	576.5	584.4
155°	564.5	556.6	571.1	583.1	589.8
157.5°	575.2	565.1	576.5	587.1	592.6
160°	584.4	574.6	581.8	589.8	593.9
162.5°	592.6	582.5	585.8	590.4	593.9
165°	599.2	589.8	589.8	591.7	593.9
167.5°	604.4	596.5	592.6	593.1	593.9
170°	609.1	601.1	597.0	593.1	592.6
172.5°	612.4	604.4	601.1	595.7	591.7
175°	615.0	607.8	603.7	599.2	594.4
177.5°	615.7	609.7	606.4	601.8	597.8
180°	607.1	607.1	607.1	607.1	607.1

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