

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: P253350

Luminaire Tested: **J3-FL-30L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253350
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-30L840-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
Light Source: (224) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

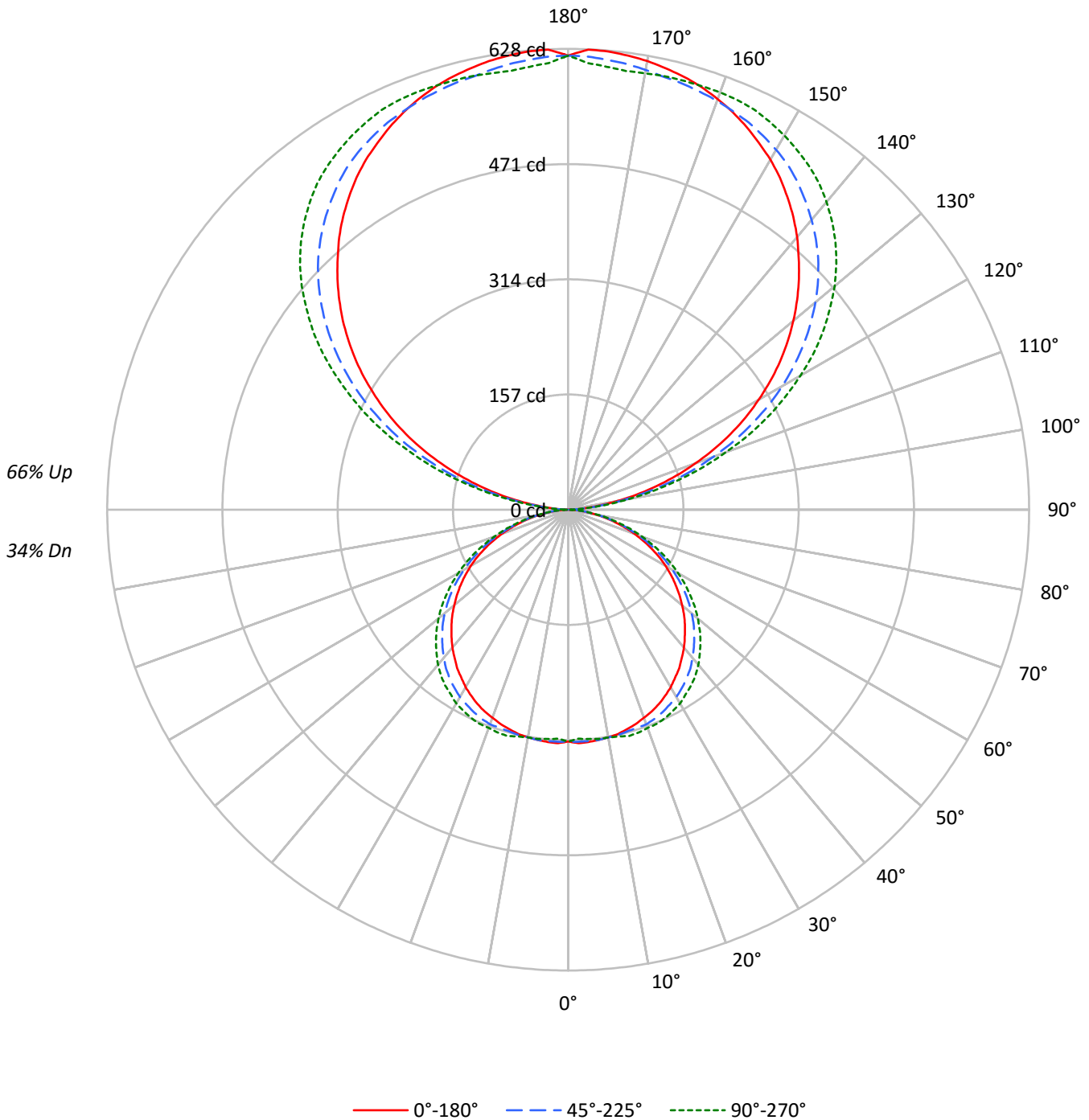
Lumens per Lamp: N/A
Luminaire Lumens: 3020.1 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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°	2549	2549	2549
5°	2575	2565	2542
10°	2583	2583	2583
15°	2588	2611	2669
20°	2591	2673	2719
25°	2603	2711	2789
30°	2604	2748	2843
35°	2598	2771	2880
40°	2586	2778	2907
45°	2569	2770	2909
50°	2545	2758	2894
55°	2518	2719	2852
60°	2472	2648	2790
65°	2394	2548	2693
70°	2257	2400	2526
75°	2071	2199	2305
80°	1799	1920	1990
85°	1436	1501	1575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	1.0
10°-20°	88.6	2.9
20°-30°	139.6	4.6
30°-40°	174.4	5.8
40°-50°	185.8	6.2
50°-60°	171.4	5.7
60°-70°	131.6	4.4
70°-80°	74.6	2.5
80°-90°	19.7	0.7
90°-100°	31.7	1.0
100°-110°	149.0	4.9
110°-120°	270.1	8.9
120°-130°	346.9	11.5
130°-140°	369.0	12.2
140°-150°	339.6	11.2
150°-160°	268.9	8.9
160°-170°	170.7	5.7
170°-180°	58.6	1.9
0°-30°	258.3	8.6
0°-40°	432.6	14.3
0°-60°	789.9	26.2
0°-90°	1015.7	33.6
90°-120°	450.7	14.9
90°-150°	1506.2	49.9
90°-180°	2004.0	66.4
0°-180°	3020.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	316	316	316	316	316	
5°	318	315	316	316	314	30
15°	310	308	312	318	319	87
25°	292	293	304	310	313	135
35°	264	268	281	288	292	165
45°	225	231	243	250	255	173
55°	179	184	193	199	203	160
65°	125	128	133	138	141	124
75°	66	68	70	73	74	71
85°	16	16	16	17	17	18
90°	1	1	1	0	0	2
95°	21	22	24	25	26	27
105°	125	130	142	151	155	132
115°	244	254	276	293	301	241
125°	352	363	391	413	424	314
135°	445	451	482	503	515	343
145°	520	518	545	562	572	326
155°	575	567	582	594	601	265
165°	611	601	601	603	605	172
175°	627	620	615	611	606	60
180°	619	619	619	619	619	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	315.8	315.8	315.8	315.8	315.8
2.5°	318.5	315.8	316.5	316.5	312.4
5°	317.8	315.1	316.5	315.8	313.7
7.5°	316.5	314.4	316.5	316.5	315.1
10°	315.1	313.1	315.1	315.8	315.1
12.5°	313.1	311.1	314.4	315.8	316.5
15°	309.6	308.3	312.4	317.8	319.3
17.5°	306.4	305.7	311.8	317.8	318.5
20°	301.6	301.6	311.1	315.8	316.5
22.5°	297.6	297.6	308.3	313.1	315.8
25°	292.2	292.8	304.3	310.5	313.1
27.5°	286.0	288.1	299.5	306.4	309.0
30°	279.3	282.6	294.8	301.6	305.0
32.5°	271.2	275.8	288.1	294.8	298.2
35°	263.6	268.4	281.2	288.1	292.2
37.5°	254.2	260.2	273.1	279.9	284.7
40°	245.4	251.5	263.6	271.2	275.8
42.5°	235.1	241.9	253.5	260.9	265.6
45°	225.0	231.0	242.6	250.1	254.8
47.5°	214.2	220.3	231.9	238.6	243.2
50°	202.6	209.4	219.6	226.3	230.4
52.5°	191.0	197.2	206.7	213.6	217.5
55°	178.9	184.3	193.2	199.3	202.6
57.5°	166.0	171.4	178.9	185.0	188.4
60°	153.1	157.2	164.0	170.1	172.8
62.5°	139.6	143.1	149.1	153.9	157.2
65°	125.3	128.1	133.4	138.2	141.0
67.5°	110.5	113.2	117.9	122.0	124.0
70°	95.6	98.2	101.7	105.0	107.0
72.5°	81.2	82.7	86.1	88.8	90.2
75°	66.4	67.7	70.5	73.2	73.9
77.5°	52.9	53.5	55.7	57.0	57.6
80°	38.7	40.0	41.3	41.9	42.8
82.5°	26.4	27.1	27.7	28.4	29.0
85°	15.5	16.2	16.2	17.0	17.0
87.5°	6.7	7.5	7.5	7.5	7.5
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.7	6.7	7.5	8.1	8.8
95°	21.0	21.7	23.7	25.1	26.4
97.5°	41.9	43.4	47.4	50.9	52.2
100°	67.7	70.5	76.7	81.2	83.4
102.5°	95.6	99.6	108.5	115.2	118.6
105°	124.7	130.2	142.3	151.1	155.2
107.5°	154.5	161.4	176.9	187.1	192.5
110°	184.3	193.2	210.1	223.6	227.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	214.2	223.6	243.9	258.9	266.4
115°	243.9	254.2	275.8	292.8	300.9
117.5°	272.5	283.2	307.0	326.0	333.4
120°	299.5	311.1	336.9	356.5	365.3
122.5°	326.6	337.6	364.6	385.6	396.5
125°	352.4	363.3	391.1	412.7	424.2
127.5°	376.9	386.9	416.2	438.5	449.3
130°	400.5	410.0	439.8	461.6	473.8
132.5°	422.9	431.7	461.6	482.6	495.5
135°	444.6	451.4	481.9	502.8	515.1
137.5°	464.9	469.7	499.6	520.5	532.1
140°	485.2	486.7	515.7	535.4	547.5
142.5°	503.6	502.8	530.7	549.6	561.2
145°	520.5	518.5	544.9	561.8	572.0
147.5°	536.7	532.1	557.1	571.4	580.8
150°	550.9	544.9	566.6	580.8	588.9
152.5°	563.1	556.3	574.7	587.6	595.6
155°	575.4	567.3	582.1	594.3	601.2
157.5°	586.2	576.0	587.6	598.4	603.9
160°	595.6	585.6	593.0	601.2	605.3
162.5°	603.9	593.7	597.1	601.8	605.3
165°	610.7	601.2	601.2	603.1	605.3
167.5°	616.0	607.9	603.9	604.6	605.3
170°	620.8	612.6	608.5	604.6	603.9
172.5°	624.2	616.0	612.6	607.2	603.1
175°	626.8	619.5	615.3	610.7	605.9
177.5°	627.6	621.4	618.0	613.3	609.3
180°	618.8	618.8	618.8	618.8	618.8

(END OF REPORT)