

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: P253345

Luminaire Tested: **J3-FL-40L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253345
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-40L835-1D-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

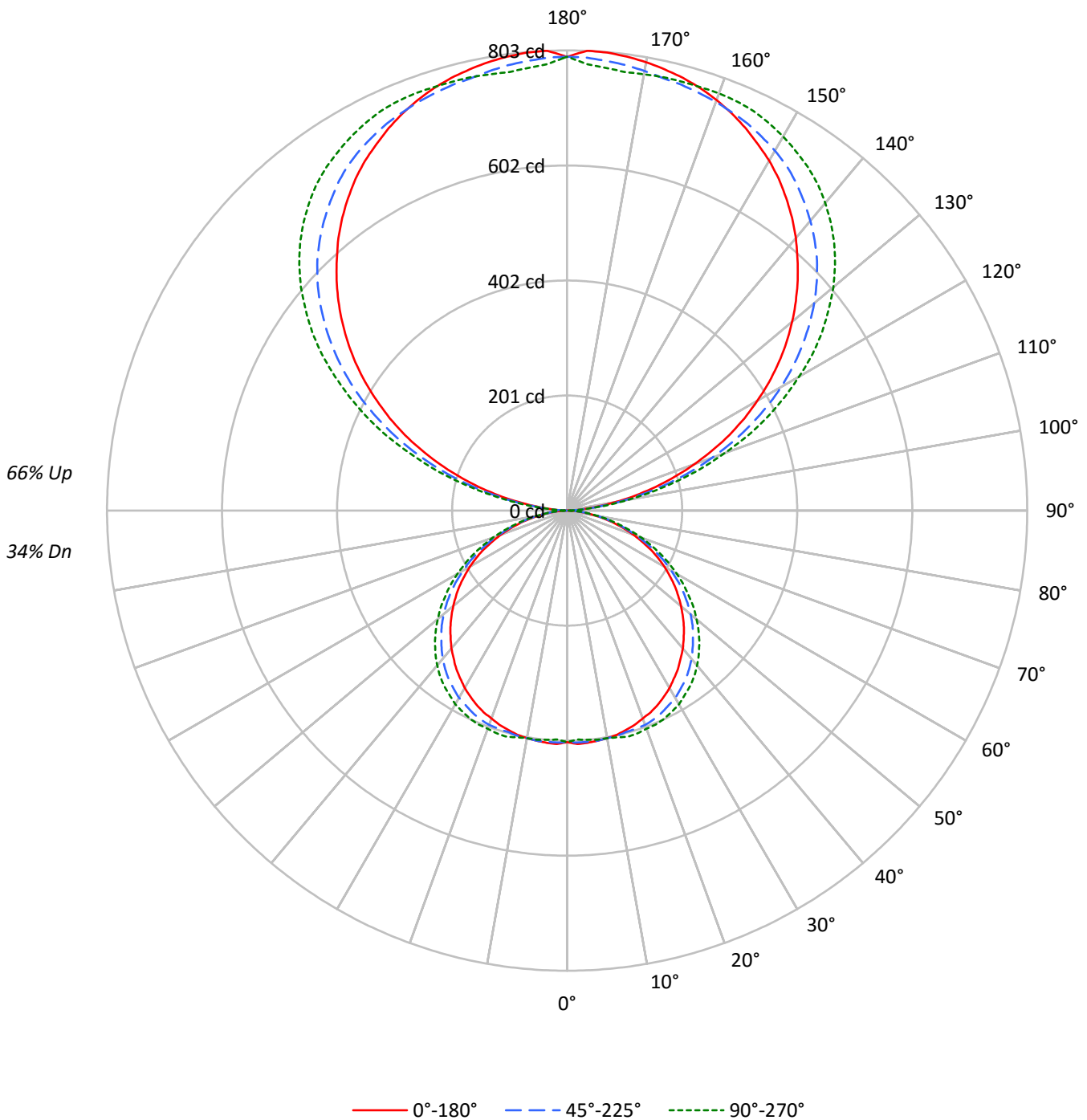
Lumens per Lamp: N/A
Luminaire Lumens: 3865.2 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 25.9
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°	3262	3262	3262
5°	3297	3283	3254
10°	3305	3305	3305
15°	3312	3341	3415
20°	3315	3420	3480
25°	3331	3469	3570
30°	3332	3517	3639
35°	3325	3547	3685
40°	3310	3556	3719
45°	3288	3545	3723
50°	3257	3530	3704
55°	3222	3481	3650
60°	3163	3389	3571
65°	3064	3263	3448
70°	2887	3073	3234
75°	2651	2813	2951
80°	2301	2459	2548
85°	1843	1917	2010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	1.0
10°-20°	113.4	2.9
20°-30°	178.6	4.6
30°-40°	223.2	5.8
40°-50°	237.9	6.2
50°-60°	219.3	5.7
60°-70°	168.5	4.4
70°-80°	95.4	2.5
80°-90°	25.2	0.7
90°-100°	40.5	1.0
100°-110°	190.7	4.9
110°-120°	345.6	8.9
120°-130°	444.0	11.5
130°-140°	472.3	12.2
140°-150°	434.6	11.2
150°-160°	344.1	8.9
160°-170°	218.5	5.7
170°-180°	74.9	1.9
0°-30°	330.6	8.6
0°-40°	553.7	14.3
0°-60°	1010.9	26.2
0°-90°	1300.0	33.6
90°-120°	576.8	14.9
90°-150°	1927.7	49.9
90°-180°	2565.0	66.4
0°-180°	3865.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	404	404	404	404	404	
5°	407	403	405	404	402	39
15°	396	395	400	407	409	112
25°	374	375	390	397	401	172
35°	337	344	360	369	374	211
45°	288	296	310	320	326	222
55°	229	236	247	255	259	204
65°	160	164	171	177	180	158
75°	85	87	90	94	95	90
85°	20	21	21	22	22	22
90°	1	1	1	0	0	3
95°	27	28	30	32	34	35
105°	160	167	182	193	199	169
115°	312	325	353	375	385	308
125°	451	465	501	528	543	402
135°	569	578	617	644	659	439
145°	666	664	697	719	732	417
155°	736	726	745	761	769	340
165°	782	769	769	772	775	221
175°	802	793	788	782	775	76
180°	792	792	792	792	792	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	404.1	404.1	404.1	404.1	404.1
2.5°	407.7	404.1	405.1	405.1	399.8
5°	406.8	403.2	405.1	404.1	401.5
7.5°	405.1	402.5	405.1	405.1	403.2
10°	403.2	400.8	403.2	404.1	403.2
12.5°	400.8	398.1	402.5	404.1	405.1
15°	396.3	394.6	399.8	406.8	408.6
17.5°	392.1	391.2	399.1	406.8	407.7
20°	385.9	385.9	398.1	404.1	405.1
22.5°	380.9	380.9	394.6	400.8	404.1
25°	373.9	374.7	389.5	397.4	400.8
27.5°	366.0	368.7	383.3	392.1	395.5
30°	357.4	361.7	377.3	385.9	390.4
32.5°	347.1	352.9	368.7	377.3	381.6
35°	337.4	343.5	359.9	368.7	373.9
37.5°	325.3	333.0	349.5	358.2	364.4
40°	314.1	321.9	337.4	347.1	352.9
42.5°	301.0	309.6	324.4	334.0	340.0
45°	288.0	295.7	310.5	320.1	326.1
47.5°	274.1	282.0	296.8	305.4	311.3
50°	259.3	267.9	281.1	289.7	294.9
52.5°	244.5	252.4	264.5	273.3	278.4
55°	228.9	235.9	247.3	255.1	259.3
57.5°	212.4	219.4	228.9	236.8	241.1
60°	195.9	201.1	209.9	217.7	221.2
62.5°	178.6	183.1	190.8	197.0	201.1
65°	160.4	164.0	170.8	176.9	180.5
67.5°	141.5	144.8	150.9	156.1	158.7
70°	122.3	125.7	130.2	134.4	137.0
72.5°	104.0	105.8	110.1	113.7	115.4
75°	85.0	86.7	90.2	93.6	94.6
77.5°	67.7	68.5	71.3	73.0	73.7
80°	49.5	51.2	52.9	53.7	54.8
82.5°	33.8	34.7	35.5	36.4	37.2
85°	19.9	20.7	20.7	21.7	21.7
87.5°	8.6	9.6	9.6	9.6	9.6
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.6	8.6	9.6	10.3	11.3
95°	26.8	27.8	30.4	32.1	33.8
97.5°	53.7	55.5	60.6	65.1	66.8
100°	86.7	90.2	98.1	104.0	106.7
102.5°	122.3	127.4	138.8	147.5	151.8
105°	159.7	166.6	182.2	193.4	198.7
107.5°	197.8	206.5	226.4	239.4	246.3
110°	235.9	247.3	268.9	286.1	291.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	274.1	286.1	312.2	331.3	340.9
115°	312.2	325.3	352.9	374.7	385.2
117.5°	348.8	362.5	392.9	417.3	426.7
120°	383.3	398.1	431.1	456.3	467.5
122.5°	418.0	432.1	466.6	493.5	507.5
125°	451.0	464.9	500.6	528.2	543.0
127.5°	482.4	495.2	532.6	561.2	575.1
130°	512.6	524.8	562.9	590.8	606.4
132.5°	541.3	552.5	590.8	617.6	634.1
135°	569.0	577.7	616.7	643.6	659.3
137.5°	595.0	601.1	639.4	666.2	681.0
140°	621.0	622.9	660.1	685.2	700.8
142.5°	644.5	643.6	679.2	703.4	718.2
145°	666.2	663.6	697.4	719.0	732.1
147.5°	686.9	681.0	713.0	731.3	743.4
150°	705.1	697.4	725.2	743.4	753.7
152.5°	720.7	712.0	735.5	752.0	762.3
155°	736.4	726.1	745.1	760.6	769.4
157.5°	750.3	737.2	752.0	765.9	773.0
160°	762.3	749.5	758.9	769.4	774.7
162.5°	773.0	759.9	764.2	770.2	774.7
165°	781.6	769.4	769.4	771.9	774.7
167.5°	788.4	778.1	773.0	773.7	774.7
170°	794.6	784.1	778.8	773.7	773.0
172.5°	798.9	788.4	784.1	777.1	771.9
175°	802.3	792.9	787.5	781.6	775.4
177.5°	803.2	795.3	791.0	785.0	779.8
180°	791.9	791.9	791.9	791.9	791.9

(END OF REPORT)