

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: P253339

Luminaire Tested: **J3-FL-40L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253339
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-40L830-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
Light Source: (224) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

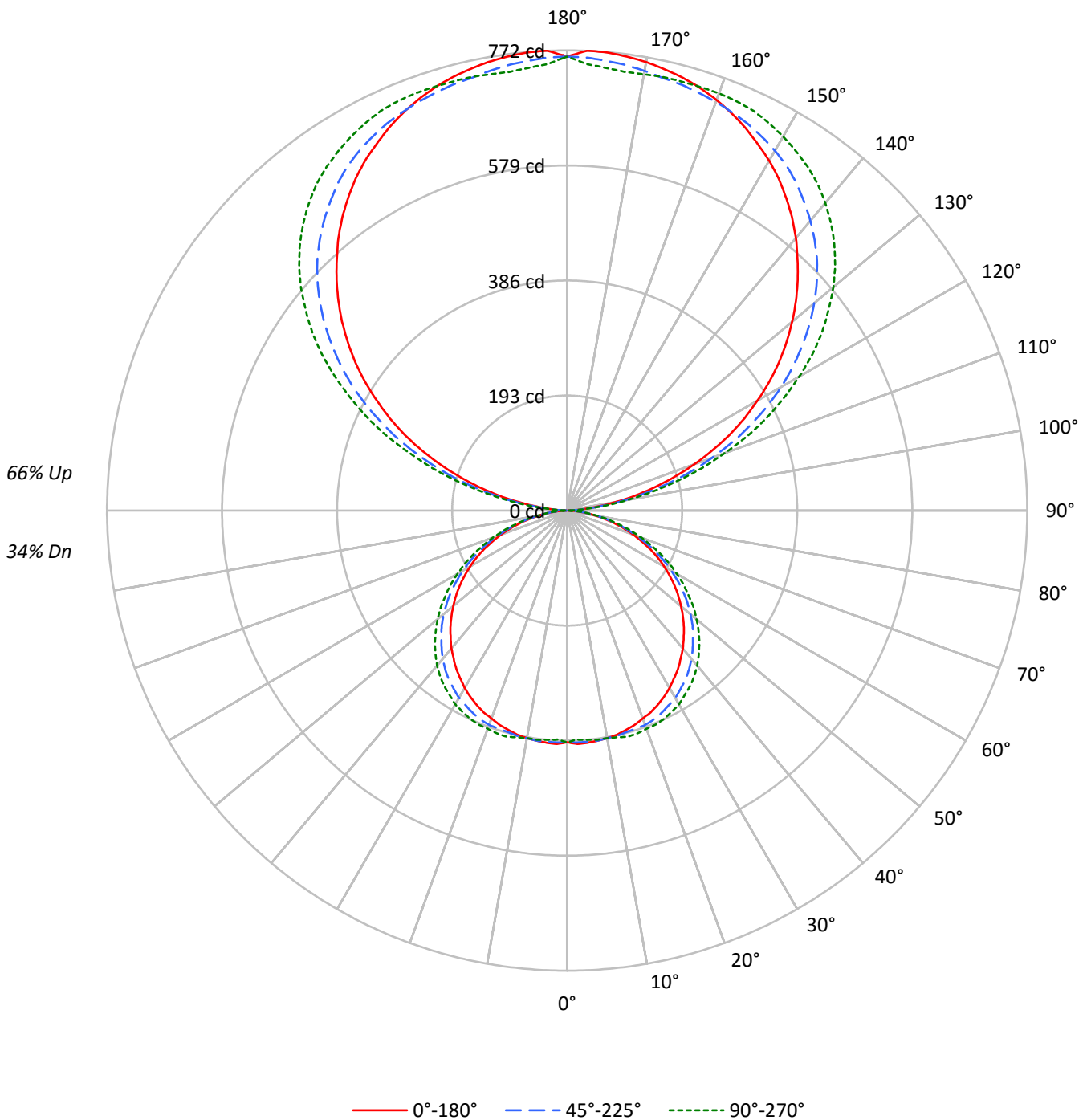
Lumens per Lamp: N/A
Luminaire Lumens: 3716.6 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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°	3137	3137	3137
5°	3169	3156	3129
10°	3178	3178	3178
15°	3184	3214	3284
20°	3188	3289	3346
25°	3202	3336	3432
30°	3204	3382	3499
35°	3197	3410	3543
40°	3183	3419	3577
45°	3161	3409	3580
50°	3131	3394	3562
55°	3098	3347	3509
60°	3042	3260	3434
65°	2947	3137	3314
70°	2776	2955	3109
75°	2548	2707	2835
80°	2213	2366	2450
85°	1769	1843	1936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.0
10°-20°	109.0	2.9
20°-30°	171.7	4.6
30°-40°	214.6	5.8
40°-50°	228.7	6.2
50°-60°	210.9	5.7
60°-70°	162.0	4.4
70°-80°	91.8	2.5
80°-90°	24.2	0.7
90°-100°	39.0	1.0
100°-110°	183.4	4.9
110°-120°	332.3	8.9
120°-130°	426.9	11.5
130°-140°	454.1	12.2
140°-150°	417.9	11.2
150°-160°	330.9	8.9
160°-170°	210.1	5.7
170°-180°	72.1	1.9
0°-30°	317.8	8.6
0°-40°	532.4	14.3
0°-60°	972.0	26.2
0°-90°	1250.0	33.6
90°-120°	554.7	14.9
90°-150°	1853.6	49.9
90°-180°	2467.0	66.4
0°-180°	3716.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	389	389	389	389	389	
5°	391	388	390	389	386	37
15°	381	379	384	391	393	108
25°	360	360	374	382	385	166
35°	324	330	346	354	360	203
45°	277	284	299	308	314	213
55°	220	227	238	245	249	196
65°	154	158	164	170	174	152
75°	82	83	87	90	91	87
85°	19	20	20	21	21	22
90°	1	1	1	0	0	3
95°	26	27	29	31	32	33
105°	154	160	175	186	191	162
115°	300	313	339	360	370	296
125°	434	447	481	508	522	387
135°	547	556	593	619	634	422
145°	641	638	671	691	704	401
155°	708	698	716	731	740	326
165°	752	740	740	742	745	212
175°	771	762	757	752	746	73
180°	762	762	762	762	762	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	388.6	388.6	388.6	388.6	388.6
2.5°	392.0	388.6	389.5	389.5	384.5
5°	391.1	387.7	389.5	388.6	386.1
7.5°	389.5	387.0	389.5	389.5	387.7
10°	387.7	385.3	387.7	388.6	387.7
12.5°	385.3	382.8	387.0	388.6	389.5
15°	381.0	379.4	384.5	391.1	392.9
17.5°	377.0	376.1	383.7	391.1	392.0
20°	371.1	371.1	382.8	388.6	389.5
22.5°	366.2	366.2	379.4	385.3	388.6
25°	359.5	360.3	374.5	382.1	385.3
27.5°	352.0	354.5	368.6	377.0	380.3
30°	343.7	347.8	362.8	371.1	375.4
32.5°	333.7	339.4	354.5	362.8	366.9
35°	324.4	330.3	346.0	354.5	359.5
37.5°	312.8	320.2	336.1	344.4	350.3
40°	302.0	309.5	324.4	333.7	339.4
42.5°	289.4	297.7	311.9	321.1	326.9
45°	276.9	284.3	298.6	307.8	313.6
47.5°	263.6	271.1	285.4	293.7	299.3
50°	249.3	257.6	270.2	278.5	283.6
52.5°	235.1	242.7	254.4	262.8	267.7
55°	220.1	226.8	237.8	245.3	249.3
57.5°	204.2	210.9	220.1	227.7	231.8
60°	188.4	193.4	201.9	209.3	212.7
62.5°	171.8	176.1	183.5	189.4	193.4
65°	154.3	157.7	164.2	170.1	173.5
67.5°	136.0	139.3	145.1	150.1	152.6
70°	117.6	120.9	125.2	129.2	131.7
72.5°	100.0	101.7	105.9	109.3	110.9
75°	81.7	83.4	86.8	90.0	90.9
77.5°	65.1	65.9	68.5	70.2	70.9
80°	47.6	49.2	50.9	51.6	52.7
82.5°	32.5	33.4	34.1	35.0	35.7
85°	19.1	19.9	19.9	20.9	20.9
87.5°	8.3	9.2	9.2	9.2	9.2
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.3	8.3	9.2	9.9	10.8
95°	25.8	26.7	29.2	30.9	32.5
97.5°	51.6	53.4	58.3	62.6	64.2
100°	83.4	86.8	94.3	100.0	102.6
102.5°	117.6	122.5	133.5	141.8	145.9
105°	153.5	160.2	175.2	186.0	191.0
107.5°	190.1	198.6	217.7	230.2	236.9
110°	226.8	237.8	258.5	275.1	280.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	263.6	275.1	300.2	318.6	327.8
115°	300.2	312.8	339.4	360.3	370.4
117.5°	335.4	348.6	377.8	401.2	410.3
120°	368.6	382.8	414.6	438.7	449.6
122.5°	402.0	415.5	448.7	474.5	488.0
125°	433.7	447.0	481.3	507.9	522.1
127.5°	463.8	476.1	512.2	539.6	552.9
130°	492.9	504.6	541.2	568.1	583.1
132.5°	520.5	531.3	568.1	593.9	609.8
135°	547.2	555.5	593.0	618.8	633.9
137.5°	572.1	578.0	614.8	640.6	654.8
140°	597.1	598.9	634.7	658.8	673.8
142.5°	619.7	618.8	653.1	676.3	690.6
145°	640.6	638.1	670.6	691.3	703.9
147.5°	660.5	654.8	685.5	703.2	714.8
150°	678.0	670.6	697.3	714.8	724.7
152.5°	693.0	684.7	707.2	723.1	733.0
155°	708.1	698.2	716.4	731.4	739.8
157.5°	721.4	708.8	723.1	736.4	743.2
160°	733.0	720.7	729.7	739.8	744.9
162.5°	743.2	730.6	734.8	740.6	744.9
165°	751.5	739.8	739.8	742.2	744.9
167.5°	758.1	748.1	743.2	744.0	744.9
170°	764.0	753.9	748.9	744.0	743.2
172.5°	768.2	758.1	753.9	747.2	742.2
175°	771.4	762.4	757.2	751.5	745.6
177.5°	772.3	764.7	760.6	754.8	749.8
180°	761.5	761.5	761.5	761.5	761.5

(END OF REPORT)