

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: P253327

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-40L835-1D-UNV-STD-W-4  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
Light Source: (224) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

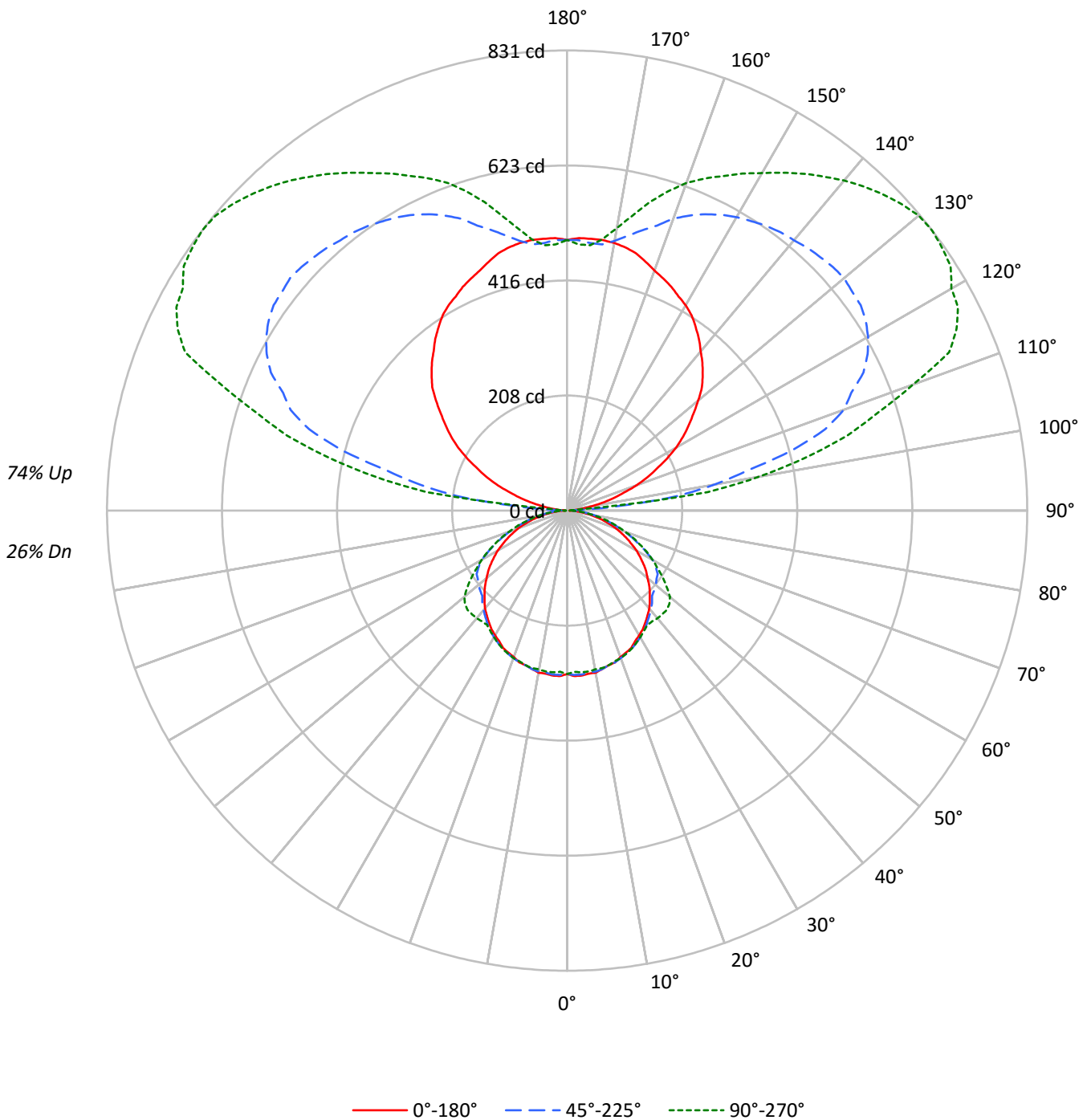
Lumens per Lamp: N/A  
Luminaire Lumens: 3862.4 lumens  
Efficiency: N/A  
Efficacy: 149.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 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	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°	2383	2383	2383
5°	2424	2408	2376
10°	2435	2420	2388
15°	2418	2418	2418
20°	2418	2435	2435
25°	2438	2455	2455
30°	2424	2460	2460
35°	2427	2466	2485
40°	2431	2472	2678
45°	2410	2477	2901
50°	2381	2627	3044
55°	2366	2807	2971
60°	2336	2872	2872
65°	2277	2726	2764
70°	2214	2585	2629
75°	2074	2439	2498
80°	1911	2362	2273
85°	1806	2538	2177



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.2	0.7
10°-20°	81.7	2.1
20°-30°	126.3	3.3
30°-40°	156.6	4.1
40°-50°	175.2	4.5
50°-60°	171.2	4.4
60°-70°	135.1	3.5
70°-80°	81.7	2.1
80°-90°	29.1	0.8
90°-100°	100.3	2.6
100°-110°	388.0	10.0
110°-120°	533.2	13.8
120°-130°	539.4	14.0
130°-140°	478.1	12.4
140°-150°	378.1	9.8
150°-160°	264.0	6.8
160°-170°	149.4	3.9
170°-180°	46.8	1.2
0°-30°	236.1	6.1
0°-40°	392.7	10.2
0°-60°	739.2	19.1
0°-90°	985.1	25.5
90°-120°	1021.5	26.4
90°-150°	2417.1	62.6
90°-180°	2877.0	74.5
0°-180°	3862.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	295	295	295	295	295	
5°	299	295	297	295	293	28
15°	289	287	289	289	289	82
25°	274	270	276	276	276	126
35°	246	246	250	252	252	154
45°	211	213	217	244	254	163
55°	168	170	199	211	211	150
65°	119	125	143	145	145	118
75°	66	78	78	80	80	70
85°	20	31	27	25	24	20
90°	4	12	10	2	2	4
95°	16	78	94	20	20	19
105°	86	278	420	485	524	91
115°	178	375	590	731	776	177
125°	268	434	647	788	827	240
135°	346	477	647	774	807	267
145°	405	489	628	719	743	253
155°	446	477	590	655	667	205
165°	481	479	524	569	577	135
175°	493	487	485	485	481	47
180°	489	489	489	489	489	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	295.2	295.2	295.2	295.2	295.2
2.5°	299.1	295.2	297.1	295.2	291.3
5°	299.1	295.2	297.1	295.2	293.2
7.5°	297.1	295.2	295.2	293.2	293.2
10°	297.1	293.2	295.2	293.2	291.3
12.5°	293.2	291.3	293.2	291.3	291.3
15°	289.3	287.4	289.3	289.3	289.3
17.5°	287.4	283.4	287.4	287.4	285.4
20°	281.5	279.5	283.4	283.4	283.4
22.5°	277.6	275.6	279.5	279.5	279.5
25°	273.7	269.8	275.6	275.6	275.6
27.5°	265.9	265.9	269.8	271.7	269.8
30°	260.0	258.0	263.9	265.9	263.9
32.5°	254.1	252.2	258.0	260.0	258.0
35°	246.3	246.3	250.2	252.2	252.2
37.5°	238.5	238.5	242.4	244.4	252.2
40°	230.7	230.7	234.6	246.3	254.1
42.5°	220.9	220.9	226.8	244.4	254.1
45°	211.1	213.1	217.0	244.4	254.1
47.5°	201.3	203.3	213.1	242.4	250.2
50°	189.6	193.5	209.2	236.5	242.4
52.5°	179.8	181.8	203.3	226.8	226.8
55°	168.1	170.1	199.4	211.1	211.1
57.5°	156.4	158.3	189.6	193.5	193.5
60°	144.7	146.6	177.9	177.9	177.9
62.5°	131.0	134.9	160.3	162.2	162.2
65°	119.2	125.1	142.7	144.7	144.7
67.5°	105.6	115.3	127.1	129.0	129.0
70°	93.8	105.6	109.5	111.4	111.4
72.5°	80.1	91.9	93.8	95.8	95.8
75°	66.5	78.2	78.2	80.1	80.1
77.5°	52.8	62.6	64.5	64.5	64.5
80°	41.1	46.9	50.8	48.9	48.9
82.5°	29.3	37.1	37.1	37.1	35.2
85°	19.5	31.3	27.4	25.4	23.5
87.5°	11.7	27.4	15.6	13.7	13.7
90°	3.9	11.7	9.8	2.0	2.0
92.5°	7.8	19.5	9.8	7.8	5.9
95°	15.6	78.2	93.8	19.5	19.5
97.5°	29.3	131.0	201.3	238.5	256.1
100°	45.0	195.5	269.8	330.4	351.9
102.5°	64.5	236.5	332.3	408.6	439.8
105°	86.0	277.6	420.3	484.8	523.9
107.5°	107.5	308.9	488.7	561.0	588.4
110°	132.9	334.3	531.7	656.8	664.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	156.4	353.8	555.2	703.7	746.7
115°	177.9	375.3	590.4	731.1	776.1
117.5°	203.3	391.0	611.9	746.7	795.6
120°	226.8	404.6	627.5	766.3	801.5
122.5°	248.3	420.3	639.2	781.9	821.0
125°	267.8	434.0	647.0	787.8	826.9
127.5°	287.4	445.7	649.0	789.7	830.8
130°	308.9	457.4	652.9	787.8	828.8
132.5°	330.4	469.2	651.0	781.9	819.1
135°	346.0	477.0	647.0	774.1	807.3
137.5°	361.6	482.8	643.1	762.4	793.7
140°	375.3	486.7	637.3	748.7	778.0
142.5°	391.0	488.7	633.4	735.0	760.4
145°	404.6	488.7	627.5	719.4	742.8
147.5°	418.3	486.7	619.7	703.7	723.3
150°	428.1	482.8	611.9	688.1	703.7
152.5°	435.9	478.9	602.1	670.5	686.1
155°	445.7	477.0	590.4	654.9	666.6
157.5°	453.5	477.0	576.7	637.3	649.0
160°	461.3	477.0	561.0	619.7	629.5
162.5°	471.1	477.0	539.5	594.3	604.0
165°	480.9	478.9	523.9	568.9	576.7
167.5°	486.7	478.9	508.3	537.6	545.4
170°	490.7	482.8	494.6	516.1	518.0
172.5°	492.6	486.7	484.8	494.6	494.6
175°	492.6	486.7	484.8	484.8	480.9
177.5°	492.6	488.7	488.7	486.7	480.9
180°	488.7	488.7	488.7	488.7	488.7

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