

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: P253341

Luminaire Tested: **J3-FL-60L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253341  
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-60L830-1D-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**

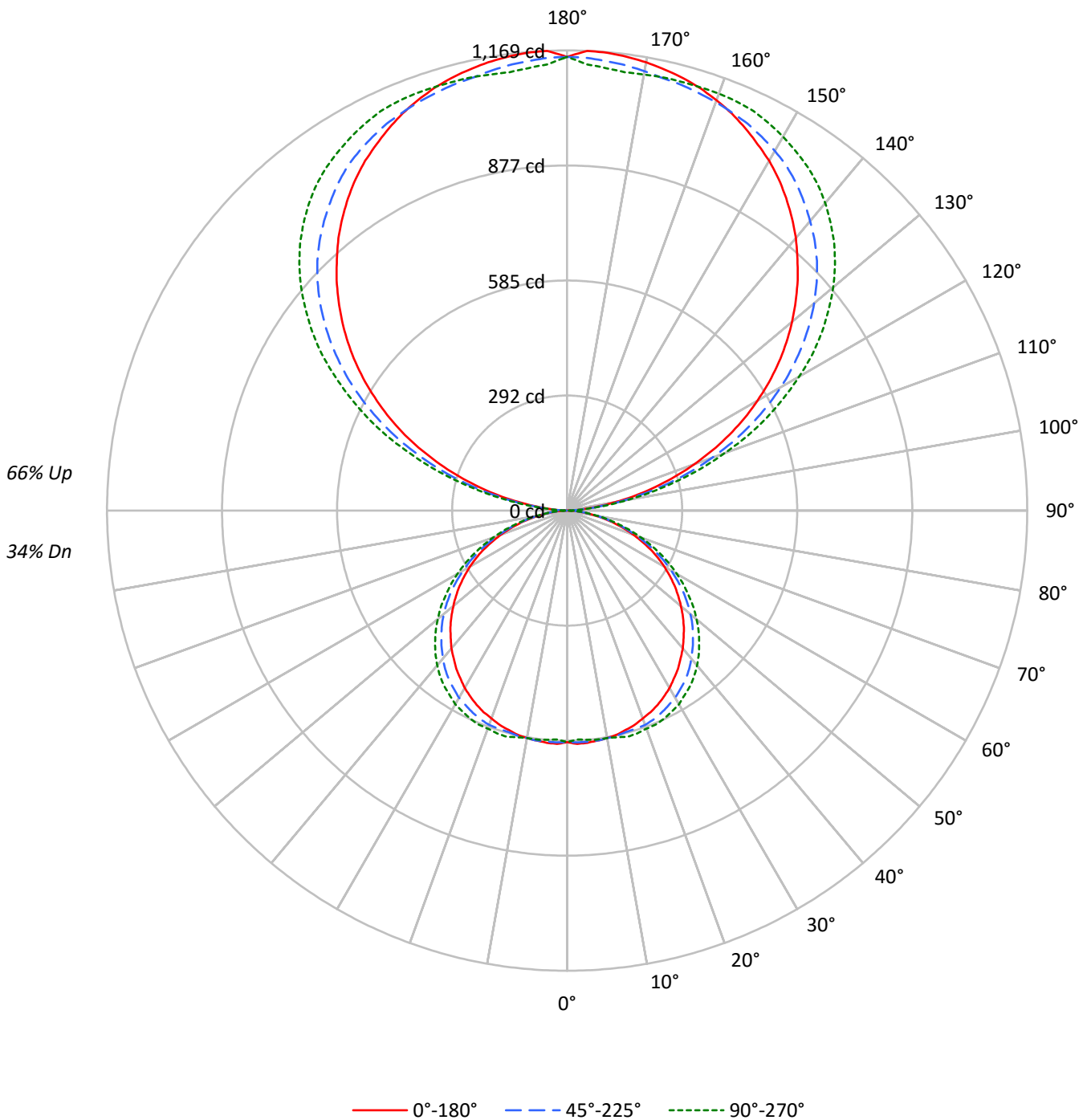
Lumens per Lamp: N/A  
Luminaire Lumens: 5625.1 lumens  
Efficiency: N/A  
Efficacy: 136.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 41.3  
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°	4749	4749	4749
5°	4797	4777	4735
10°	4810	4810	4810
15°	4820	4863	4970
20°	4826	4978	5064
25°	4847	5049	5195
30°	4848	5119	5297
35°	4839	5161	5363
40°	4817	5174	5413
45°	4785	5159	5418
50°	4740	5137	5390
55°	4688	5066	5312
60°	4603	4933	5197
65°	4460	4747	5018
70°	4201	4473	4704
75°	3858	4095	4292
80°	3352	3580	3705
85°	2686	2788	2936



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.1	1.0
10°-20°	165.0	2.9
20°-30°	259.9	4.6
30°-40°	324.8	5.8
40°-50°	346.2	6.2
50°-60°	319.2	5.7
60°-70°	245.2	4.4
70°-80°	138.9	2.5
80°-90°	36.6	0.7
90°-100°	59.0	1.0
100°-110°	277.5	4.9
110°-120°	503.0	8.9
120°-130°	646.1	11.5
130°-140°	687.3	12.2
140°-150°	632.4	11.2
150°-160°	500.8	8.9
160°-170°	317.9	5.7
170°-180°	109.1	1.9
0°-30°	481.1	8.6
0°-40°	805.8	14.3
0°-60°	1471.2	26.2
0°-90°	1891.9	33.6
90°-120°	839.5	14.9
90°-150°	2805.4	49.9
90°-180°	3733.0	66.4
0°-180°	5625.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	588	588	588	588	588	
5°	592	587	590	588	584	56
15°	577	574	582	592	595	163
25°	544	545	567	578	583	251
35°	491	500	524	536	544	307
45°	419	430	452	466	475	323
55°	333	343	360	371	377	297
65°	234	239	248	258	263	230
75°	124	126	131	136	138	131
85°	29	30	30	32	32	33
90°	1	1	1	0	0	4
95°	39	40	44	47	49	51
105°	232	242	265	282	289	246
115°	454	473	514	545	560	448
125°	656	677	728	769	790	586
135°	828	841	898	937	960	639
145°	970	966	1015	1046	1065	607
155°	1072	1057	1084	1107	1120	494
165°	1138	1120	1120	1123	1127	321
175°	1168	1154	1146	1138	1128	111
180°	1152	1152	1152	1152	1152	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	588.2	588.2	588.2	588.2	588.2
2.5°	593.3	588.2	589.5	589.5	581.9
5°	592.0	586.8	589.5	588.2	584.3
7.5°	589.5	585.7	589.5	589.5	586.8
10°	586.8	583.2	586.8	588.2	586.8
12.5°	583.2	579.4	585.7	588.2	589.5
15°	576.7	574.2	581.9	592.0	594.7
17.5°	570.7	569.3	580.8	592.0	593.3
20°	561.7	561.7	579.4	588.2	589.5
22.5°	554.3	554.3	574.2	583.2	588.2
25°	544.2	545.3	566.8	578.3	583.2
27.5°	532.7	536.5	557.9	570.7	575.6
30°	520.1	526.4	549.1	561.7	568.2
32.5°	505.1	513.6	536.5	549.1	555.4
35°	491.0	499.9	523.7	536.5	544.2
37.5°	473.4	484.7	508.7	521.3	530.2
40°	457.1	468.5	491.0	505.1	513.6
42.5°	438.0	450.6	472.1	486.0	494.8
45°	419.1	430.3	451.9	465.8	474.6
47.5°	398.9	410.4	431.9	444.5	453.0
50°	377.4	389.9	409.0	421.6	429.2
52.5°	355.8	367.3	385.0	397.8	405.2
55°	333.1	343.2	359.9	371.3	377.4
57.5°	309.1	319.2	333.1	344.6	350.9
60°	285.1	292.7	305.5	316.8	321.9
62.5°	260.0	266.5	277.7	286.7	292.7
65°	233.5	238.6	248.5	257.5	262.7
67.5°	205.9	210.8	219.6	227.2	231.0
70°	178.0	183.0	189.5	195.5	199.3
72.5°	151.3	154.0	160.3	165.4	167.9
75°	123.7	126.2	131.3	136.3	137.6
77.5°	98.6	99.7	103.7	106.2	107.3
80°	72.1	74.5	77.0	78.1	79.7
82.5°	49.2	50.5	51.6	53.0	54.1
85°	29.0	30.1	30.1	31.7	31.7
87.5°	12.6	13.9	13.9	13.9	13.9
90°	1.3	1.3	1.3	0.0	0.0
92.5°	12.6	12.6	13.9	15.0	16.4
95°	39.1	40.4	44.2	46.7	49.2
97.5°	78.1	80.8	88.2	94.7	97.2
100°	126.2	131.3	142.8	151.3	155.3
102.5°	178.0	185.4	202.0	214.6	220.9
105°	232.3	242.4	265.1	281.5	289.1
107.5°	287.8	300.6	329.6	348.4	358.5
110°	343.2	359.9	391.3	416.4	424.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	398.9	416.4	454.4	482.2	496.1
115°	454.4	473.4	513.6	545.3	560.5
117.5°	507.6	527.5	571.8	607.2	620.9
120°	557.9	579.4	627.4	664.0	680.4
122.5°	608.4	628.8	679.1	718.1	738.6
125°	656.4	676.6	728.5	768.7	790.2
127.5°	702.0	720.6	775.2	816.7	836.9
130°	746.0	763.7	819.2	859.8	882.5
132.5°	787.7	804.1	859.8	898.9	922.9
135°	828.1	840.7	897.5	936.6	959.5
137.5°	865.9	874.8	930.5	969.6	991.1
140°	903.8	906.5	960.6	997.2	1019.9
142.5°	937.9	936.6	988.4	1023.7	1045.2
145°	969.6	965.8	1014.9	1046.3	1065.4
147.5°	999.7	991.1	1037.6	1064.3	1081.8
150°	1026.1	1014.9	1055.3	1081.8	1096.9
152.5°	1048.8	1036.2	1070.4	1094.4	1109.4
155°	1071.7	1056.7	1084.3	1107.0	1119.8
157.5°	1091.9	1072.8	1094.4	1114.6	1124.9
160°	1109.4	1090.8	1104.5	1119.8	1127.4
162.5°	1124.9	1105.8	1112.1	1120.9	1127.4
165°	1137.5	1119.8	1119.8	1123.3	1127.4
167.5°	1147.4	1132.3	1124.9	1126.0	1127.4
170°	1156.3	1141.1	1133.4	1126.0	1124.9
172.5°	1162.6	1147.4	1141.1	1131.0	1123.3
175°	1167.6	1153.9	1146.0	1137.5	1128.5
177.5°	1168.9	1157.5	1151.2	1142.4	1134.8
180°	1152.5	1152.5	1152.5	1152.5	1152.5

(END OF REPORT)