

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: P253353

Luminaire Tested: **J3-FL-60L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253353  
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-60L840-1D-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**

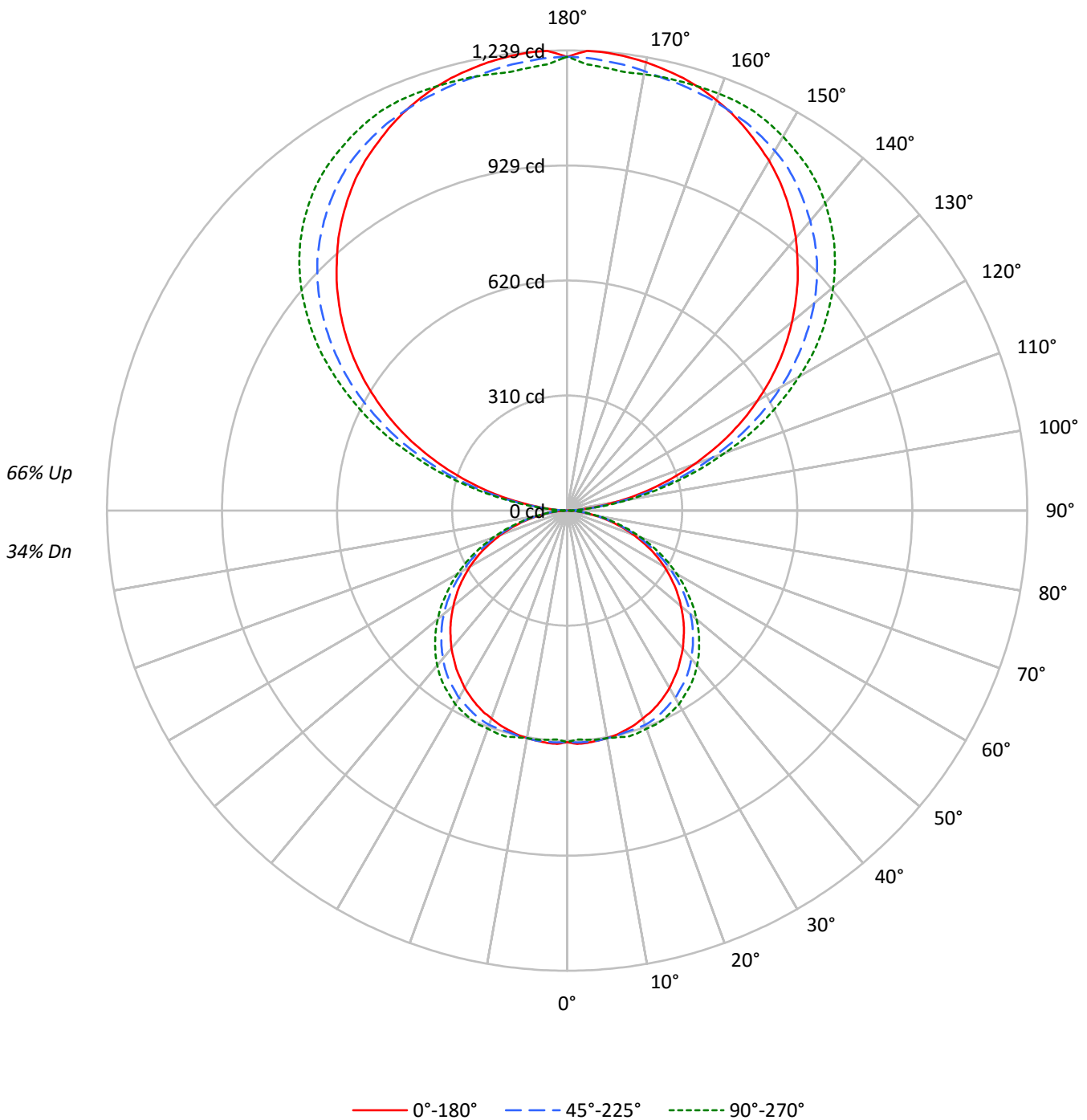
Lumens per Lamp: N/A  
Luminaire Lumens: 5962.6 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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°	5033	5033	5033
5°	5085	5064	5019
10°	5099	5099	5099
15°	5109	5155	5269
20°	5115	5277	5369
25°	5138	5352	5507
30°	5140	5425	5615
35°	5129	5472	5685
40°	5106	5484	5737
45°	5073	5469	5743
50°	5024	5446	5714
55°	4970	5368	5630
60°	4879	5230	5509
65°	4728	5032	5318
70°	4454	4740	4987
75°	4089	4342	4551
80°	3552	3794	3928
85°	2844	2955	3112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.5	1.0
10°-20°	174.9	2.9
20°-30°	275.5	4.6
30°-40°	344.2	5.8
40°-50°	366.9	6.2
50°-60°	338.4	5.7
60°-70°	259.9	4.4
70°-80°	147.2	2.5
80°-90°	38.8	0.7
90°-100°	62.5	1.0
100°-110°	294.2	4.9
110°-120°	533.2	8.9
120°-130°	684.9	11.5
130°-140°	728.6	12.2
140°-150°	670.4	11.2
150°-160°	530.9	8.9
160°-170°	337.0	5.7
170°-180°	115.6	1.9
0°-30°	509.9	8.6
0°-40°	854.2	14.3
0°-60°	1559.5	26.2
0°-90°	2005.4	33.6
90°-120°	889.9	14.9
90°-150°	2973.7	49.9
90°-180°	3957.0	66.4
0°-180°	5962.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	628	622	625	624	619	60
15°	611	609	617	628	630	173
25°	577	578	601	613	618	266
35°	520	530	555	569	577	325
45°	444	456	479	494	503	343
55°	353	364	381	394	400	315
65°	248	253	263	273	278	244
75°	131	134	139	144	146	139
85°	31	32	32	34	34	35
90°	1	1	1	0	0	4
95°	41	43	47	50	52	54
105°	246	257	281	298	306	261
115°	482	502	544	578	594	475
125°	696	717	772	815	838	621
135°	878	891	951	993	1017	677
145°	1028	1024	1076	1109	1129	643
155°	1136	1120	1149	1173	1187	524
165°	1206	1187	1187	1191	1195	341
175°	1238	1223	1215	1206	1196	118
180°	1222	1222	1222	1222	1222	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	623.5	623.5	623.5	623.5	623.5
2.5°	628.9	623.5	624.9	624.9	616.8
5°	627.5	622.0	624.9	623.5	619.4
7.5°	624.9	620.8	624.9	624.9	622.0
10°	622.0	618.2	622.0	623.5	622.0
12.5°	618.2	614.2	620.8	623.5	624.9
15°	611.3	608.7	616.8	627.5	630.4
17.5°	604.9	603.5	615.6	627.5	628.9
20°	595.4	595.4	614.2	623.5	624.9
22.5°	587.5	587.5	608.7	618.2	623.5
25°	576.8	578.0	600.8	613.0	618.2
27.5°	564.7	568.7	591.3	604.9	610.1
30°	551.4	558.0	582.0	595.4	602.3
32.5°	535.4	544.4	568.7	582.0	588.7
35°	520.4	529.9	555.2	568.7	576.8
37.5°	501.9	513.8	539.2	552.5	562.1
40°	484.5	496.6	520.4	535.4	544.4
42.5°	464.3	477.6	500.4	515.2	524.5
45°	444.3	456.2	479.0	493.8	503.0
47.5°	422.9	435.0	457.8	471.2	480.2
50°	400.0	413.3	433.6	446.9	455.0
52.5°	377.2	389.3	408.1	421.7	429.5
55°	353.1	363.8	381.4	393.6	400.0
57.5°	327.7	338.4	353.1	365.3	371.9
60°	302.2	310.3	323.9	335.8	341.2
62.5°	275.6	282.5	294.4	303.9	310.3
65°	247.5	253.0	263.4	272.9	278.4
67.5°	218.2	223.4	232.7	240.8	244.9
70°	188.7	193.9	200.8	207.3	211.3
72.5°	160.4	163.2	169.9	175.4	178.0
75°	131.1	133.7	139.2	144.4	145.9
77.5°	104.5	105.7	109.9	112.6	113.7
80°	76.4	79.0	81.6	82.8	84.5
82.5°	52.1	53.5	54.7	56.2	57.3
85°	30.7	31.9	31.9	33.6	33.6
87.5°	13.3	14.8	14.8	14.8	14.8
90°	1.4	1.4	1.4	0.0	0.0
92.5°	13.3	13.3	14.8	15.9	17.4
95°	41.4	42.8	46.9	49.5	52.1
97.5°	82.8	85.7	93.5	100.4	103.0
100°	133.7	139.2	151.3	160.4	164.7
102.5°	188.7	196.6	214.2	227.5	234.2
105°	246.3	257.0	281.0	298.4	306.5
107.5°	305.1	318.6	349.3	369.3	380.0
110°	363.8	381.4	414.8	441.4	449.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	422.9	441.4	481.6	511.1	525.9
115°	481.6	501.9	544.4	578.0	594.2
117.5°	538.0	559.2	606.1	643.7	658.2
120°	591.3	614.2	665.1	703.9	721.3
122.5°	644.9	666.5	719.8	761.2	782.9
125°	695.8	717.2	772.2	814.8	837.6
127.5°	744.1	763.8	821.7	865.7	887.1
130°	790.7	809.5	868.3	911.4	935.4
132.5°	835.0	852.4	911.4	952.8	978.2
135°	877.8	891.2	951.4	992.8	1017.0
137.5°	917.8	927.3	986.3	1027.7	1050.6
140°	958.0	960.9	1018.2	1057.0	1081.0
142.5°	994.2	992.8	1047.7	1085.1	1107.9
145°	1027.7	1023.7	1075.8	1109.1	1129.4
147.5°	1059.6	1050.6	1099.8	1128.2	1146.7
150°	1087.7	1075.8	1118.6	1146.7	1162.7
152.5°	1111.7	1098.4	1134.6	1160.0	1176.0
155°	1136.0	1120.1	1149.3	1173.4	1186.9
157.5°	1157.4	1137.2	1160.0	1181.5	1192.4
160°	1176.0	1156.2	1170.8	1186.9	1195.0
162.5°	1192.4	1172.2	1178.8	1188.1	1195.0
165°	1205.7	1186.9	1186.9	1190.7	1195.0
167.5°	1216.2	1200.3	1192.4	1193.6	1195.0
170°	1225.7	1209.5	1201.5	1193.6	1192.4
172.5°	1232.4	1216.2	1209.5	1198.8	1190.7
175°	1237.6	1223.1	1214.8	1205.7	1196.2
177.5°	1239.1	1226.9	1220.3	1211.0	1202.9
180°	1221.7	1221.7	1221.7	1221.7	1221.7

(END OF REPORT)