

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: P253535

Luminaire Tested: **J3-FL-80L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253535
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-80L93050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5955.6 lumens
Efficiency: N/A
Efficacy: 93.3 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

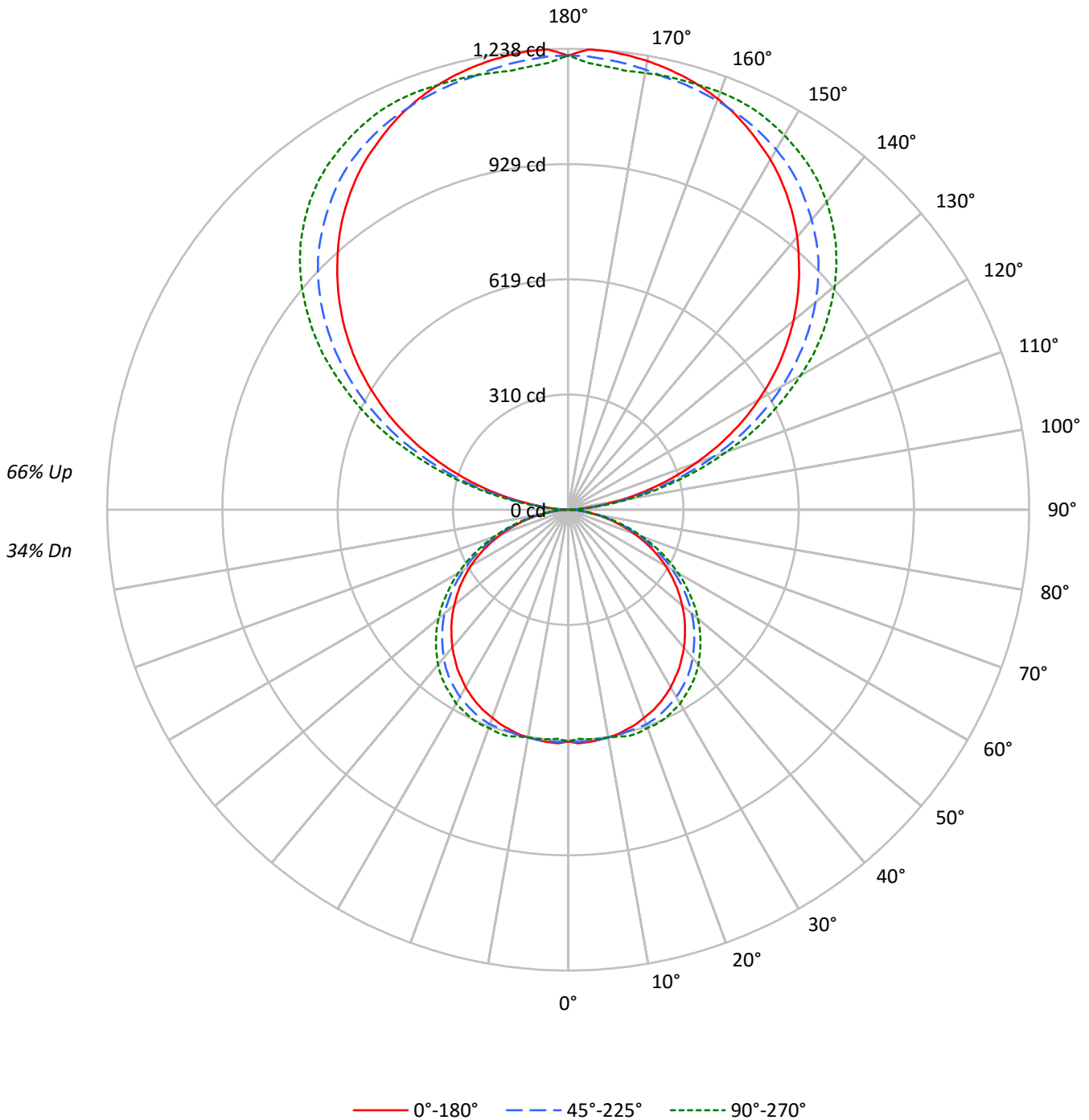
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5027	5027	5027
5°	5079	5058	5014
10°	5093	5093	5093
15°	5103	5149	5262
20°	5109	5271	5362
25°	5132	5345	5500
30°	5134	5420	5608
35°	5123	5465	5678
40°	5100	5478	5731
45°	5066	5462	5737
50°	5017	5439	5707
55°	4964	5362	5623
60°	4874	5223	5503
65°	4722	5026	5312
70°	4449	4735	4983
75°	4086	4336	4545
80°	3547	3789	3924
85°	2844	2946	3103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	1.0
10°-20°	174.7	2.9
20°-30°	275.2	4.6
30°-40°	343.9	5.8
40°-50°	366.5	6.2
50°-60°	338.0	5.7
60°-70°	259.6	4.4
70°-80°	147.1	2.5
80°-90°	38.7	0.7
90°-100°	62.4	1.0
100°-110°	293.8	4.9
110°-120°	532.6	8.9
120°-130°	684.1	11.5
130°-140°	727.7	12.2
140°-150°	669.6	11.2
150°-160°	530.2	8.9
160°-170°	336.6	5.7
170°-180°	115.5	1.9
0°-30°	509.3	8.6
0°-40°	853.2	14.3
0°-60°	1557.6	26.2
0°-90°	2003.0	33.6
90°-120°	888.8	14.9
90°-150°	2970.2	49.9
90°-180°	3953.0	66.4
0°-180°	5955.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	627	621	624	623	619	60
15°	611	608	616	627	630	173
25°	576	577	600	612	618	265
35°	520	529	554	568	576	325
45°	444	456	478	493	502	342
55°	353	363	381	393	400	315
65°	247	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	49	52	54
105°	246	257	281	298	306	260
115°	481	501	544	577	594	474
125°	695	716	771	814	837	620
135°	877	890	950	992	1016	676
145°	1026	1022	1075	1108	1128	642
155°	1135	1119	1148	1172	1186	523
165°	1204	1186	1186	1189	1194	340
175°	1236	1222	1213	1204	1195	118
180°	1220	1220	1220	1220	1220	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	622.7	622.7	622.7	622.7	622.7
2.5°	628.2	622.7	624.1	624.1	616.1
5°	626.8	621.3	624.1	622.7	618.7
7.5°	624.1	620.1	624.1	624.1	621.3
10°	621.3	617.5	621.3	622.7	621.3
12.5°	617.5	613.5	620.1	622.7	624.1
15°	610.6	608.0	616.1	626.8	629.6
17.5°	604.2	602.8	614.9	626.8	628.2
20°	594.7	594.7	613.5	622.7	624.1
22.5°	586.8	586.8	608.0	617.5	622.7
25°	576.1	577.3	600.1	612.3	617.5
27.5°	564.0	568.1	590.6	604.2	609.4
30°	550.7	557.4	581.4	594.7	601.6
32.5°	534.8	543.8	568.1	581.4	588.0
35°	519.8	529.3	554.5	568.1	576.1
37.5°	501.3	513.2	538.6	551.9	561.4
40°	483.9	496.0	519.8	534.8	543.8
42.5°	463.7	477.0	499.8	514.6	523.8
45°	443.7	455.6	478.4	493.2	502.5
47.5°	422.4	434.5	457.3	470.6	479.6
50°	399.5	412.9	433.1	446.4	454.4
52.5°	376.7	388.8	407.6	421.2	429.0
55°	352.7	363.4	381.0	393.1	399.5
57.5°	327.3	338.0	352.7	364.8	371.5
60°	301.9	309.9	323.5	335.4	340.8
62.5°	275.2	282.1	294.0	303.5	309.9
65°	247.2	252.7	263.1	272.6	278.1
67.5°	218.0	223.2	232.5	240.5	244.6
70°	188.5	193.7	200.6	207.0	211.1
72.5°	160.2	163.0	169.7	175.2	177.8
75°	131.0	133.6	139.0	144.3	145.7
77.5°	104.3	105.5	109.8	112.4	113.6
80°	76.3	78.9	81.5	82.7	84.4
82.5°	52.1	53.5	54.7	56.1	57.3
85°	30.7	31.8	31.8	33.5	33.5
87.5°	13.3	14.7	14.7	14.7	14.7
90°	1.4	1.4	1.4	0.0	0.0
92.5°	13.3	13.3	14.7	15.9	17.4
95°	41.4	42.8	46.8	49.4	52.1
97.5°	82.7	85.6	93.4	100.3	102.9
100°	133.6	139.0	151.2	160.2	164.5
102.5°	188.5	196.3	213.9	227.2	233.9
105°	246.0	256.7	280.7	298.1	306.1
107.5°	304.7	318.3	348.9	368.9	379.6
110°	363.4	381.0	414.3	440.9	449.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	422.4	440.9	481.1	510.5	525.3
115°	481.1	501.3	543.8	577.3	593.5
117.5°	537.4	558.5	605.4	642.9	657.4
120°	590.6	613.5	664.3	703.1	720.4
122.5°	644.1	665.7	719.0	760.3	782.0
125°	695.0	716.4	771.3	813.8	836.6
127.5°	743.2	763.0	820.7	864.7	886.1
130°	789.8	808.6	867.3	910.3	934.3
132.5°	834.0	851.4	910.3	951.7	977.1
135°	876.8	890.1	950.2	991.6	1015.8
137.5°	916.7	926.2	985.2	1026.5	1049.4
140°	956.9	959.8	1017.0	1055.8	1079.8
142.5°	993.0	991.6	1046.5	1083.8	1106.6
145°	1026.5	1022.5	1074.6	1107.8	1128.0
147.5°	1058.4	1049.4	1098.6	1126.8	1145.4
150°	1086.4	1074.6	1117.3	1145.4	1161.3
152.5°	1110.4	1097.1	1133.3	1158.7	1174.6
155°	1134.7	1118.8	1148.0	1172.0	1185.5
157.5°	1156.1	1135.9	1158.7	1180.1	1191.0
160°	1174.6	1154.9	1169.4	1185.5	1193.6
162.5°	1191.0	1170.8	1177.5	1186.7	1193.6
165°	1204.3	1185.5	1185.5	1189.4	1193.6
167.5°	1214.8	1198.9	1191.0	1192.2	1193.6
170°	1224.3	1208.1	1200.0	1192.2	1191.0
172.5°	1230.9	1214.8	1208.1	1197.4	1189.4
175°	1236.2	1221.7	1213.4	1204.3	1194.8
177.5°	1237.6	1225.5	1218.8	1209.6	1201.5
180°	1220.2	1220.2	1220.2	1220.2	1220.2

(END OF REPORT)