

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: P275256

Luminaire Tested: **J3-UL-80L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-80L92765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6506.7 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

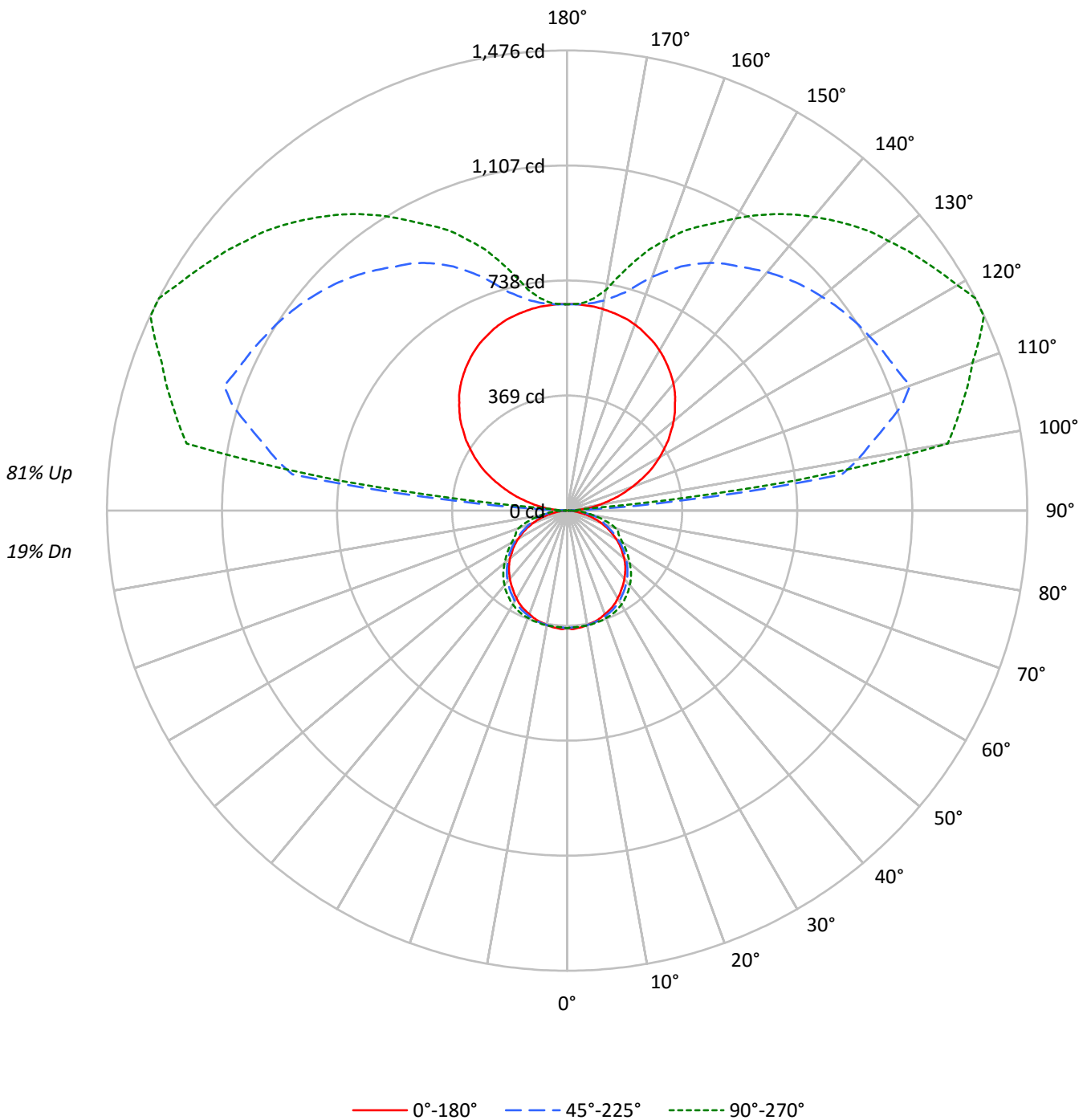
Input Watts (W): 61.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3046	3046	3046
5°	3066	3040	3040
10°	3058	3058	3067
15°	3054	3072	3099
20°	3038	3093	3149
25°	3044	3111	3207
30°	3025	3126	3246
35°	3007	3123	3272
40°	3011	3124	3294
45°	3015	3126	3311
50°	3005	3113	3291
55°	2974	3095	3292
60°	2924	3063	3307
65°	2862	3028	3480
70°	2722	3054	3918
75°	2520	3497	3933
80°	2157	3557	3910
85°	1695	3992	4492



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	0.6
10°-20°	104.2	1.6
20°-30°	161.5	2.5
30°-40°	199.1	3.1
40°-50°	212.3	3.3
50°-60°	197.9	3.0
60°-70°	161.7	2.5
70°-80°	111.4	1.7
80°-90°	44.1	0.7
90°-100°	383.4	5.9
100°-110°	982.8	15.1
110°-120°	1017.6	15.6
120°-130°	906.0	13.9
130°-140°	754.4	11.6
140°-150°	574.4	8.8
150°-160°	386.5	5.9
160°-170°	209.5	3.2
170°-180°	64.3	1.0
0°-30°	301.5	4.6
0°-40°	500.6	7.7
0°-60°	910.8	14.0
0°-90°	1227.9	18.9
90°-120°	2383.8	36.6
90°-150°	4618.6	71.0
90°-180°	5279.0	81.1
0°-180°	6506.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	377	377	377	377	377	
5°	378	377	375	375	375	36
15°	365	366	368	372	371	103
25°	342	344	349	357	360	157
35°	305	309	317	327	332	192
45°	264	266	274	284	290	204
55°	211	214	220	228	234	189
65°	150	153	158	174	182	147
75°	81	86	112	125	126	85
85°	18	34	43	50	48	22
90°	2	3	4	3	3	6
95°	54	427	358	53	52	54
105°	162	678	1060	1252	1311	171
115°	286	703	1142	1422	1475	281
125°	397	719	1095	1330	1396	354
135°	489	738	1036	1233	1294	378
145°	564	722	956	1114	1161	353
155°	616	688	864	974	1006	284
165°	648	669	726	798	825	183
175°	661	664	665	669	670	63
180°	662	662	662	662	662	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	377.3	377.3	377.3	377.3	377.3
2.5°	380.5	378.4	375.1	375.1	374.1
5°	378.4	377.3	375.1	375.1	375.1
7.5°	376.2	376.2	374.1	375.1	374.1
10°	373.0	374.1	373.0	375.1	374.1
12.5°	368.7	370.8	370.8	374.1	373.0
15°	365.4	366.5	367.6	371.9	370.8
17.5°	360.0	362.2	364.4	369.8	369.8
20°	353.6	356.8	360.0	366.5	366.5
22.5°	348.2	351.4	354.7	362.2	364.4
25°	341.7	343.9	349.3	356.8	360.0
27.5°	334.2	336.3	342.8	350.3	354.7
30°	324.5	328.8	335.3	343.9	348.2
32.5°	315.9	320.2	325.6	336.3	340.6
35°	305.1	309.4	316.9	326.6	332.0
37.5°	296.4	300.8	307.2	316.9	323.4
40°	285.7	288.9	296.4	306.1	312.6
42.5°	274.9	279.2	285.7	296.4	301.8
45°	264.1	266.3	273.8	283.5	290.0
47.5°	252.2	254.4	260.9	271.7	276.0
50°	239.3	242.5	247.9	257.6	262.0
52.5°	224.2	228.5	235.0	242.5	247.9
55°	211.3	214.5	219.9	227.5	233.9
57.5°	197.3	200.5	205.9	213.4	219.9
60°	181.1	184.3	189.7	199.4	204.8
62.5°	164.9	169.2	173.6	183.3	193.0
65°	149.8	153.1	158.5	173.6	182.2
67.5°	132.6	136.9	142.3	163.9	176.8
70°	115.3	119.7	129.4	158.5	166.0
72.5°	99.2	102.4	118.6	146.6	148.8
75°	80.8	86.2	112.1	125.0	126.1
77.5°	62.5	70.1	95.9	104.6	105.6
80°	46.4	58.2	76.5	83.0	84.1
82.5°	32.3	49.6	59.3	64.7	64.7
85°	18.3	34.5	43.1	49.6	48.5
87.5°	10.8	22.6	32.3	37.7	36.7
90°	2.2	3.2	4.3	3.2	3.2
92.5°	28.0	90.6	24.8	24.8	23.7
95°	53.9	426.9	357.9	52.8	51.7
97.5°	77.6	518.5	889.3	1061.8	738.4
100°	104.6	616.6	947.6	1169.6	1239.7
102.5°	130.4	658.7	999.3	1205.2	1275.3
105°	161.7	678.1	1059.7	1251.5	1310.8
107.5°	191.9	687.8	1126.5	1291.4	1348.6
110°	222.1	694.2	1170.7	1336.7	1383.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	253.3	698.5	1153.4	1390.6	1430.5
115°	285.7	702.8	1141.6	1421.9	1474.7
117.5°	314.8	706.1	1131.9	1391.7	1475.8
120°	342.8	710.4	1119.0	1370.1	1445.6
122.5°	368.7	715.8	1108.2	1350.7	1420.8
125°	396.7	719.0	1095.2	1330.2	1396.0
127.5°	420.4	723.3	1082.3	1305.4	1372.3
130°	446.3	730.9	1067.2	1283.9	1345.3
132.5°	468.9	736.3	1052.1	1260.2	1322.7
135°	489.4	738.4	1035.9	1233.2	1293.6
137.5°	512.0	737.3	1017.6	1206.3	1262.3
140°	530.4	733.0	998.2	1177.2	1230.0
142.5°	547.6	729.8	976.7	1147.0	1196.6
145°	563.8	722.3	956.2	1113.6	1161.0
147.5°	578.9	714.7	938.9	1079.1	1122.2
150°	592.9	703.9	917.4	1039.2	1082.3
152.5°	605.8	695.3	891.5	1004.7	1041.3
155°	615.5	687.8	863.5	974.5	1005.8
157.5°	626.3	682.4	830.1	935.7	969.1
160°	634.9	677.0	797.7	891.5	922.8
162.5°	642.5	672.7	760.0	848.4	878.6
165°	647.9	669.4	725.5	797.7	824.7
167.5°	652.2	666.2	702.8	744.9	770.8
170°	656.5	665.1	684.5	709.3	719.0
172.5°	659.7	665.1	672.7	684.5	688.8
175°	660.8	664.0	665.1	669.4	670.5
177.5°	663.0	665.1	661.9	663.0	663.0
180°	661.9	661.9	661.9	661.9	661.9

(END OF REPORT)