

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: P253602

Luminaire Tested: **J3-UL-60L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L93050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5544.1 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

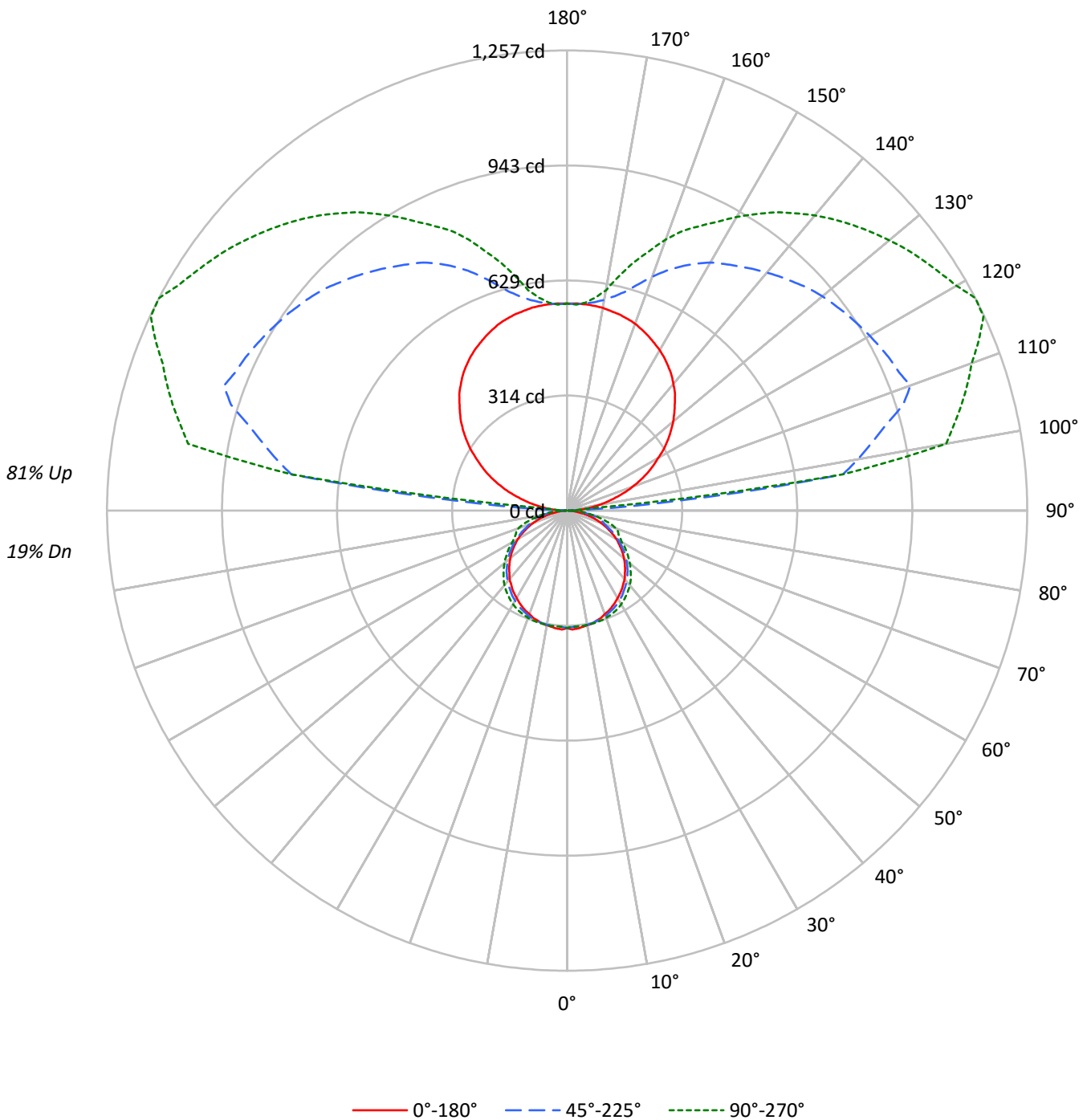
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P253602

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P253602

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (4000K)

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	27	27	27	19
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	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	19	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°	2591	2591	2591
5°	2618	2583	2574
10°	2604	2595	2604
15°	2598	2608	2635
20°	2586	2633	2680
25°	2582	2641	2720
30°	2568	2651	2754
35°	2573	2650	2781
40°	2577	2659	2811
45°	2552	2666	2804
50°	2543	2654	2807
55°	2522	2647	2804
60°	2501	2608	2787
65°	2409	2579	2959
70°	2325	2585	3342
75°	2140	2969	3381
80°	1850	3036	3292
85°	1436	3381	3788



TEST NUMBER: P253602

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	0.5
10°-20°	88.6	1.6
20°-30°	137.3	2.5
30°-40°	169.4	3.1
40°-50°	180.5	3.3
50°-60°	168.4	3.0
60°-70°	137.3	2.5
70°-80°	94.9	1.7
80°-90°	37.0	0.7
90°-100°	331.3	6.0
100°-110°	836.8	15.1
110°-120°	865.9	15.6
120°-130°	771.1	13.9
130°-140°	642.5	11.6
140°-150°	489.6	8.8
150°-160°	329.5	5.9
160°-170°	178.6	3.2
170°-180°	54.8	1.0
0°-30°	256.3	4.6
0°-40°	425.8	7.7
0°-60°	774.7	14.0
0°-90°	1043.9	18.8
90°-120°	2034.0	36.7
90°-150°	3937.2	71.0
90°-180°	4500.0	81.2
0°-180°	5544.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	321	321	321	321	321	
5°	323	321	319	320	318	31
15°	311	312	312	315	315	88
25°	290	293	296	303	305	134
35°	261	263	269	279	282	163
45°	224	227	234	241	246	173
55°	179	183	188	194	199	160
65°	126	130	135	147	155	126
75°	69	73	95	107	108	73
85°	16	29	36	41	41	18
90°	2	3	3	2	2	5
95°	46	363	284	45	44	46
105°	137	578	901	1064	1115	146
115°	241	596	975	1212	1255	238
125°	335	611	934	1132	1190	300
135°	416	628	881	1050	1103	321
145°	481	617	814	946	995	301
155°	526	586	736	829	858	243
165°	554	570	620	680	702	157
175°	565	566	568	573	570	54
180°	565	565	565	565	565	



TEST NUMBER: P253602

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	320.9	320.9	320.9	320.9	320.9
2.5°	325.3	320.9	318.7	319.8	317.6
5°	323.1	320.9	318.7	319.8	317.6
7.5°	320.9	319.8	317.6	319.8	317.6
10°	317.6	317.6	316.5	318.7	317.6
12.5°	316.5	315.3	315.3	317.6	316.5
15°	310.9	312.0	312.0	315.3	315.3
17.5°	307.6	308.7	309.8	314.2	314.2
20°	301.0	304.3	306.5	312.0	312.0
22.5°	296.5	298.7	301.0	307.6	308.7
25°	289.9	293.2	296.5	303.2	305.4
27.5°	283.3	286.6	291.0	298.7	301.0
30°	275.5	279.9	284.4	292.1	295.4
32.5°	268.9	272.2	277.7	286.6	288.8
35°	261.1	263.3	268.9	278.8	282.2
37.5°	252.3	254.5	261.1	270.0	274.4
40°	244.5	246.7	252.3	261.1	266.7
42.5°	233.5	236.8	243.4	251.2	256.7
45°	223.5	226.8	233.5	241.2	245.6
47.5°	213.5	216.9	222.4	230.1	234.6
50°	202.5	205.8	211.3	219.1	223.5
52.5°	191.4	194.7	200.3	206.9	211.3
55°	179.2	182.6	188.1	193.6	199.2
57.5°	167.1	170.4	174.8	181.5	187.0
60°	154.9	157.1	161.5	169.3	172.6
62.5°	141.6	143.8	148.3	156.0	163.8
65°	126.1	129.5	135.0	147.2	154.9
67.5°	112.9	115.1	120.6	138.3	150.5
70°	98.5	101.8	109.5	135.0	141.6
72.5°	84.1	87.4	101.8	123.9	127.2
75°	68.6	73.0	95.2	107.3	108.4
77.5°	54.2	59.7	81.9	88.5	89.6
80°	39.8	49.8	65.3	69.7	70.8
82.5°	26.6	42.0	48.7	54.2	54.2
85°	15.5	28.8	36.5	40.9	40.9
87.5°	8.9	18.8	27.7	32.1	31.0
90°	2.2	3.3	3.3	2.2	2.2
92.5°	25.4	80.8	22.1	21.0	21.0
95°	46.5	362.9	284.4	45.4	44.3
97.5°	66.4	440.4	760.1	919.5	759.0
100°	88.5	532.2	806.6	996.9	1051.2
102.5°	112.9	564.3	850.9	1024.6	1082.1
105°	137.2	577.6	900.7	1064.4	1115.3
107.5°	163.8	586.4	962.6	1096.5	1146.3
110°	190.3	590.9	998.0	1136.3	1176.2



TEST NUMBER: P253602

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	215.8	594.2	982.5	1181.7	1217.1
115°	241.2	596.4	974.8	1211.6	1254.7
117.5°	264.4	599.7	964.8	1183.9	1257.0
120°	287.7	603.0	954.9	1165.1	1228.2
122.5°	313.1	607.5	943.8	1149.6	1208.3
125°	335.3	610.8	933.9	1131.9	1189.5
127.5°	357.4	614.1	921.7	1113.1	1170.6
130°	378.4	621.8	910.6	1094.3	1148.5
132.5°	397.2	626.3	897.4	1073.3	1126.4
135°	416.0	628.5	880.8	1050.0	1103.2
137.5°	436.0	627.4	865.3	1027.9	1078.8
140°	451.4	626.3	848.7	1001.4	1052.3
142.5°	468.0	622.9	832.1	974.8	1023.5
145°	481.3	617.4	814.4	946.0	994.7
147.5°	494.6	610.8	798.9	916.2	960.4
150°	505.7	600.8	782.3	884.1	926.1
152.5°	515.6	593.1	760.1	855.3	889.6
155°	525.6	586.4	735.8	828.7	857.5
157.5°	534.4	582.0	709.3	796.7	827.6
160°	543.3	576.5	679.4	762.4	787.8
162.5°	548.8	573.2	648.4	721.4	742.4
165°	554.3	569.8	619.6	680.5	701.5
167.5°	557.7	567.6	599.7	637.3	656.1
170°	562.1	566.5	584.2	606.3	610.8
172.5°	564.3	566.5	574.3	585.3	586.4
175°	565.4	566.5	567.6	573.2	569.8
177.5°	566.5	567.6	564.3	567.6	563.2
180°	565.4	565.4	565.4	565.4	565.4

(END OF REPORT)