

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: P253604

Luminaire Tested: **J3-UL-60L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253604  
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 (5000K)  
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 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5636.5 lumens  
Efficiency: N/A  
Efficacy: 122.5 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

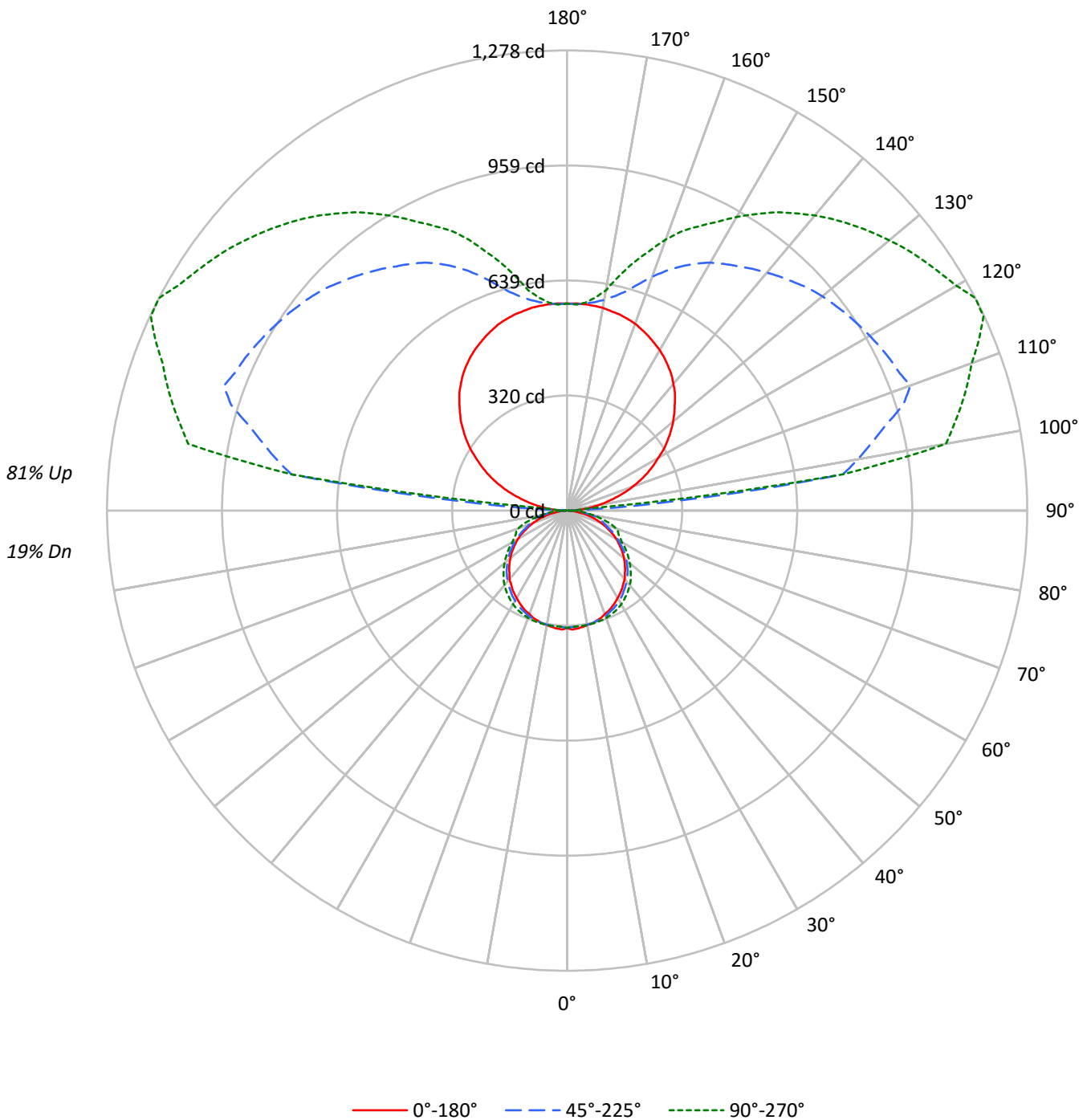
Input Watts (W): 46  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P253604

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (5000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P253604

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (5000K)

**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	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	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°	2633	2633	2633
5°	2662	2626	2616
10°	2646	2637	2646
15°	2642	2651	2679
20°	2629	2677	2725
25°	2625	2686	2766
30°	2611	2695	2800
35°	2617	2694	2827
40°	2620	2703	2857
45°	2594	2710	2851
50°	2586	2699	2853
55°	2564	2691	2850
60°	2543	2651	2834
65°	2449	2621	3009
70°	2363	2629	3399
75°	2174	3016	3437
80°	1883	3087	3347
85°	1454	3436	3853



TEST NUMBER: P253604

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (5000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.0	0.5
10°-20°	90.1	1.6
20°-30°	139.5	2.5
30°-40°	172.3	3.1
40°-50°	183.5	3.3
50°-60°	171.2	3.0
60°-70°	139.6	2.5
70°-80°	96.4	1.7
80°-90°	37.6	0.7
90°-100°	336.8	6.0
100°-110°	850.8	15.1
110°-120°	880.4	15.6
120°-130°	784.0	13.9
130°-140°	653.2	11.6
140°-150°	497.7	8.8
150°-160°	335.0	5.9
160°-170°	181.6	3.2
170°-180°	55.8	1.0
0°-30°	260.6	4.6
0°-40°	432.9	7.7
0°-60°	787.6	14.0
0°-90°	1061.2	18.8
90°-120°	2068.0	36.7
90°-150°	4002.9	71.0
90°-180°	4575.0	81.2
0°-180°	5636.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	326	326	326	326	326	
5°	328	326	324	325	323	31
15°	316	317	317	321	321	89
25°	295	298	302	308	310	136
35°	266	268	273	284	287	166
45°	227	231	237	245	250	176
55°	182	186	191	197	202	163
65°	128	132	137	150	158	128
75°	70	74	97	109	110	74
85°	16	29	37	42	42	18
90°	2	3	3	2	2	5
95°	47	369	289	46	45	47
105°	140	587	916	1082	1134	148
115°	245	606	991	1232	1276	242
125°	341	621	949	1151	1209	304
135°	423	639	895	1068	1122	327
145°	489	628	828	962	1011	306
155°	534	596	748	843	872	247
165°	564	579	630	692	713	159
175°	575	576	577	583	579	55
180°	575	575	575	575	575	



TEST NUMBER: P253604

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	326.2	326.2	326.2	326.2	326.2
2.5°	330.7	326.2	324.0	325.1	322.8
5°	328.5	326.2	324.0	325.1	322.8
7.5°	326.2	325.1	322.8	325.1	322.8
10°	322.8	322.8	321.7	324.0	322.8
12.5°	321.7	320.6	320.6	322.8	321.7
15°	316.1	317.2	317.2	320.6	320.6
17.5°	312.7	313.9	315.0	319.5	319.5
20°	306.0	309.4	311.6	317.2	317.2
22.5°	301.5	303.7	306.0	312.7	313.9
25°	294.7	298.1	301.5	308.2	310.5
27.5°	288.0	291.4	295.9	303.7	306.0
30°	280.1	284.6	289.1	297.0	300.4
32.5°	273.4	276.7	282.4	291.4	293.6
35°	265.5	267.7	273.4	283.5	286.9
37.5°	256.5	258.7	265.5	274.5	279.0
40°	248.6	250.9	256.5	265.5	271.1
42.5°	237.4	240.7	247.5	255.4	261.0
45°	227.2	230.6	237.4	245.2	249.7
47.5°	217.1	220.5	226.1	234.0	238.5
50°	205.9	209.2	214.9	222.7	227.2
52.5°	194.6	198.0	203.6	210.4	214.9
55°	182.2	185.6	191.2	196.9	202.5
57.5°	169.9	173.2	177.7	184.5	190.1
60°	157.5	159.7	164.2	172.1	175.5
62.5°	144.0	146.2	150.7	158.6	166.5
65°	128.2	131.6	137.2	149.6	157.5
67.5°	114.7	117.0	122.6	140.6	153.0
70°	100.1	103.5	111.4	137.2	144.0
72.5°	85.5	88.9	103.5	126.0	129.4
75°	69.7	74.2	96.7	109.1	110.2
77.5°	55.1	60.7	83.2	90.0	91.1
80°	40.5	50.6	66.4	70.9	72.0
82.5°	27.0	42.7	49.5	55.1	55.1
85°	15.7	29.2	37.1	41.6	41.6
87.5°	9.0	19.1	28.1	32.6	31.5
90°	2.2	3.4	3.4	2.2	2.2
92.5°	25.9	82.1	22.5	21.4	21.4
95°	47.2	369.0	289.1	46.1	45.0
97.5°	67.5	447.7	772.8	934.8	771.7
100°	90.0	541.1	820.1	1013.5	1068.7
102.5°	114.7	573.7	865.1	1041.7	1100.2
105°	139.5	587.2	915.7	1082.2	1133.9
107.5°	166.5	596.2	978.7	1114.8	1165.4
110°	193.5	600.7	1014.7	1155.3	1195.8



TEST NUMBER: P253604

CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	219.4	604.1	998.9	1201.4	1237.4
115°	245.2	606.3	991.0	1231.8	1275.7
117.5°	268.9	609.7	980.9	1203.7	1277.9
120°	292.5	613.1	970.8	1184.5	1248.7
122.5°	318.4	617.6	959.6	1168.8	1228.4
125°	340.8	621.0	949.4	1150.8	1209.3
127.5°	363.3	624.3	937.1	1131.7	1190.2
130°	384.7	632.2	925.8	1112.5	1167.7
132.5°	403.8	636.7	912.3	1091.2	1145.2
135°	423.0	639.0	895.4	1067.5	1121.5
137.5°	443.2	637.8	879.7	1045.0	1096.8
140°	459.0	636.7	862.8	1018.0	1069.8
142.5°	475.8	633.3	845.9	991.0	1040.5
145°	489.3	627.7	827.9	961.8	1011.3
147.5°	502.8	621.0	812.2	931.4	976.4
150°	514.1	610.8	795.3	898.8	941.6
152.5°	524.2	603.0	772.8	869.6	904.4
155°	534.3	596.2	748.1	842.6	871.8
157.5°	543.3	591.7	721.1	809.9	841.4
160°	552.3	586.1	690.7	775.1	800.9
162.5°	558.0	582.7	659.2	733.4	754.8
165°	563.6	579.3	630.0	691.8	713.2
167.5°	567.0	577.1	609.7	647.9	667.1
170°	571.5	576.0	594.0	616.5	621.0
172.5°	573.7	576.0	583.8	595.1	596.2
175°	574.8	576.0	577.1	582.7	579.3
177.5°	576.0	577.1	573.7	577.1	572.6
180°	574.8	574.8	574.8	574.8	574.8

(END OF REPORT)