

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: P253577

Luminaire Tested: **J3-UL-30L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253577  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-30L93050-1D-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: 2813.1 lumens  
Efficiency: N/A  
Efficacy: 130.2 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

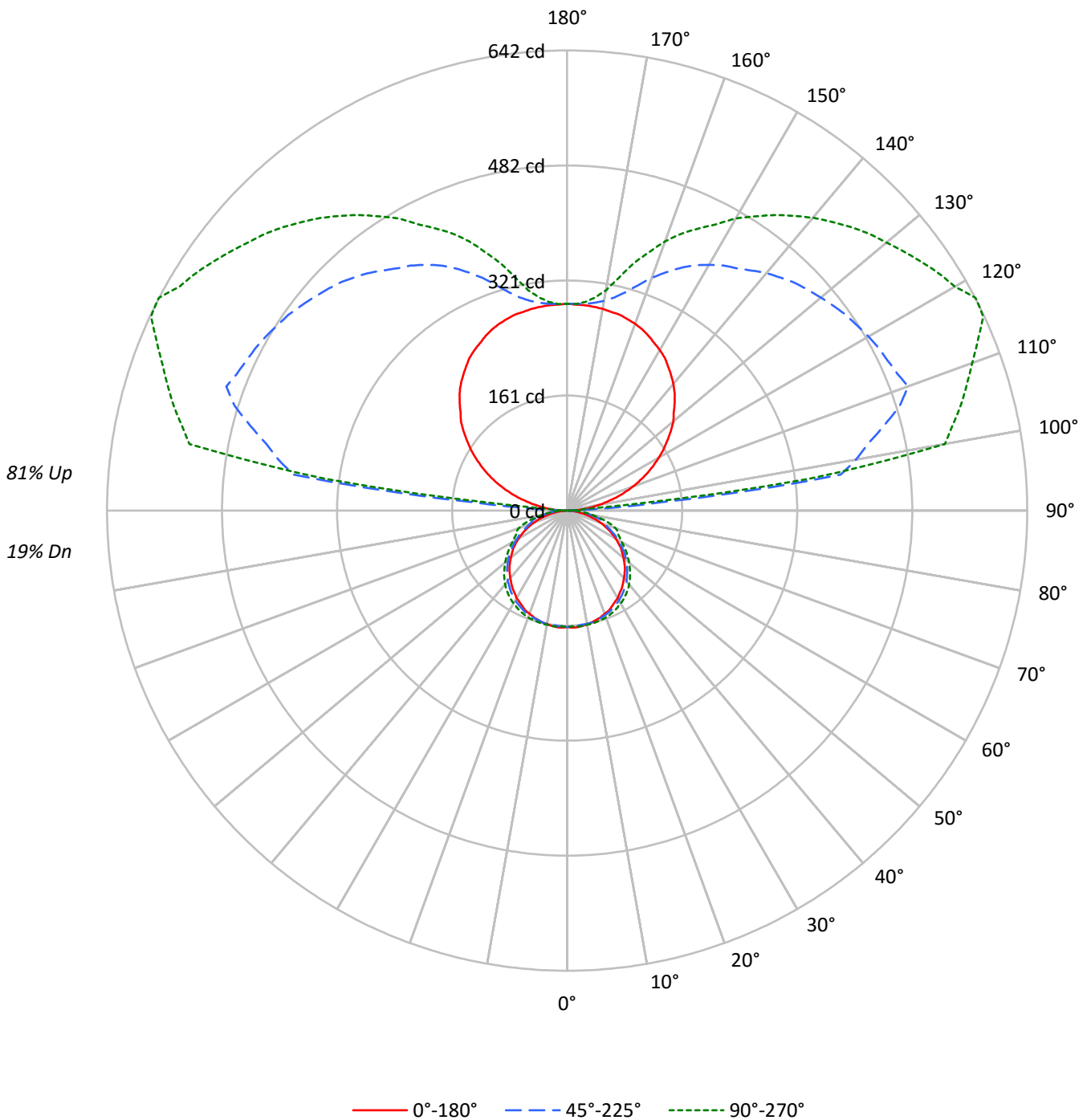
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	27	27	27	19
1	91	86	83	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°	1312	1312	1312
5°	1324	1310	1317
10°	1317	1317	1325
15°	1319	1319	1342
20°	1315	1332	1363
25°	1314	1339	1381
30°	1314	1349	1393
35°	1307	1353	1408
40°	1299	1358	1417
45°	1300	1354	1418
50°	1290	1349	1419
55°	1288	1340	1420
60°	1266	1327	1418
65°	1230	1303	1498
70°	1168	1322	1697
75°	1079	1516	1719
80°	953	1520	1650
85°	778	1732	1899



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.4	0.5
10°-20°	44.9	1.6
20°-30°	69.6	2.5
30°-40°	86.1	3.1
40°-50°	91.8	3.3
50°-60°	85.5	3.0
60°-70°	69.7	2.5
70°-80°	47.9	1.7
80°-90°	18.7	0.7
90°-100°	164.4	5.8
100°-110°	425.0	15.1
110°-120°	440.6	15.7
120°-130°	391.6	13.9
130°-140°	326.4	11.6
140°-150°	248.9	8.8
150°-160°	167.7	6.0
160°-170°	90.9	3.2
170°-180°	27.9	1.0
0°-30°	129.9	4.6
0°-40°	216.1	7.7
0°-60°	393.4	14.0
0°-90°	529.7	18.8
90°-120°	1030.0	36.6
90°-150°	1996.9	71.0
90°-180°	2283.0	81.2
0°-180°	2813.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	162	162	162	162	162	
5°	163	162	162	162	162	16
15°	158	158	158	160	161	45
25°	148	148	150	154	155	68
35°	133	134	137	142	143	83
45°	114	116	119	123	124	88
55°	92	92	95	99	101	81
65°	64	66	68	75	78	63
75°	35	37	49	54	55	37
85°	8	15	19	20	20	10
90°	1	2	2	1	1	3
95°	23	184	130	22	22	23
105°	71	294	458	540	569	75
115°	123	304	494	616	641	122
125°	171	310	475	573	604	153
135°	212	319	449	533	559	164
145°	246	314	413	482	503	154
155°	269	300	374	422	434	124
165°	283	290	316	346	357	80
175°	288	288	290	291	292	27
180°	288	288	288	288	288	



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CATALOG NUMBER: J3-UL-30L93050-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	162.5	162.5	162.5	162.5	162.5
2.5°	163.4	163.4	161.6	161.6	161.6
5°	163.4	162.5	161.6	161.6	162.5
7.5°	162.5	162.5	160.6	161.6	162.5
10°	160.6	160.6	160.6	161.6	161.6
12.5°	159.7	159.7	159.7	160.6	161.6
15°	157.8	157.8	157.8	159.7	160.6
17.5°	155.9	155.9	156.9	158.7	159.7
20°	153.1	154.1	155.0	157.8	158.7
22.5°	151.3	151.3	153.1	155.9	156.9
25°	147.5	148.5	150.3	154.1	155.0
27.5°	143.8	144.7	147.5	151.3	152.2
30°	141.0	141.9	144.7	148.5	149.4
32.5°	136.3	138.2	141.0	145.7	146.6
35°	132.6	133.5	137.3	141.9	142.9
37.5°	127.9	129.8	132.6	137.3	139.1
40°	123.3	125.1	128.9	133.5	134.5
42.5°	118.6	120.5	123.3	127.9	129.8
45°	113.9	115.8	118.6	123.3	124.2
47.5°	108.3	110.2	113.0	117.7	118.6
50°	102.7	104.6	107.4	111.1	113.0
52.5°	97.1	99.0	101.8	105.5	106.5
55°	91.5	92.4	95.2	99.0	100.9
57.5°	85.0	86.8	88.7	92.4	94.3
60°	78.4	79.4	82.2	85.9	87.8
62.5°	71.0	72.8	75.6	79.4	83.1
65°	64.4	66.3	68.2	74.7	78.4
67.5°	57.0	58.8	61.6	70.0	76.6
70°	49.5	51.4	56.0	68.2	71.9
72.5°	42.0	43.9	51.4	62.6	64.4
75°	34.6	37.4	48.6	54.2	55.1
77.5°	27.1	29.9	41.1	43.9	44.8
80°	20.5	25.2	32.7	35.5	35.5
82.5°	14.0	21.5	25.2	27.1	28.0
85°	8.4	14.9	18.7	20.5	20.5
87.5°	4.7	9.3	13.1	15.9	14.9
90°	0.9	1.9	1.9	0.9	0.9
92.5°	13.1	38.3	11.2	10.3	10.3
95°	23.3	184.0	129.8	22.4	22.4
97.5°	33.6	225.1	384.7	452.9	340.8
100°	44.8	267.1	409.0	506.1	535.1
102.5°	57.0	286.7	429.6	520.1	551.0
105°	71.0	294.2	457.6	539.7	568.7
107.5°	84.0	298.8	486.5	557.5	584.6
110°	97.1	300.7	506.1	578.0	601.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	110.2	302.6	498.7	602.3	620.1
115°	123.3	303.5	494.0	616.3	640.6
117.5°	135.4	305.4	490.3	602.3	642.5
120°	147.5	307.2	485.6	591.1	624.7
122.5°	159.7	309.1	480.0	582.7	615.4
125°	170.9	310.0	475.3	573.4	604.2
127.5°	182.1	311.9	468.8	564.0	593.0
130°	193.3	315.6	462.2	553.8	581.8
132.5°	201.7	318.4	455.7	544.4	571.5
135°	212.0	319.4	449.2	533.2	559.4
137.5°	222.2	319.4	440.8	522.0	546.3
140°	230.7	318.4	432.4	508.9	533.2
142.5°	238.1	316.6	422.1	495.9	518.3
145°	245.6	313.8	412.7	481.8	503.3
147.5°	253.1	311.0	405.3	466.9	486.5
150°	258.7	307.2	395.9	451.0	470.6
152.5°	263.3	302.6	385.7	436.1	450.1
155°	268.9	299.8	373.5	422.1	434.2
157.5°	273.6	296.0	359.5	407.1	418.4
160°	277.3	294.2	345.5	387.5	399.7
162.5°	280.1	291.4	329.6	367.9	377.3
165°	282.9	290.4	315.6	346.4	356.7
167.5°	283.9	288.5	304.4	324.0	332.4
170°	285.7	288.5	297.0	308.2	311.9
172.5°	286.7	288.5	292.3	297.9	299.8
175°	287.6	288.5	289.5	291.4	292.3
177.5°	287.6	288.5	288.5	288.5	288.5
180°	288.5	288.5	288.5	288.5	288.5

(END OF REPORT)