

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: P253600

Luminaire Tested: **J3-UL-60L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253600  
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 (3000K)  
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 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4697.9 lumens  
Efficiency: N/A  
Efficacy: 104.2 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

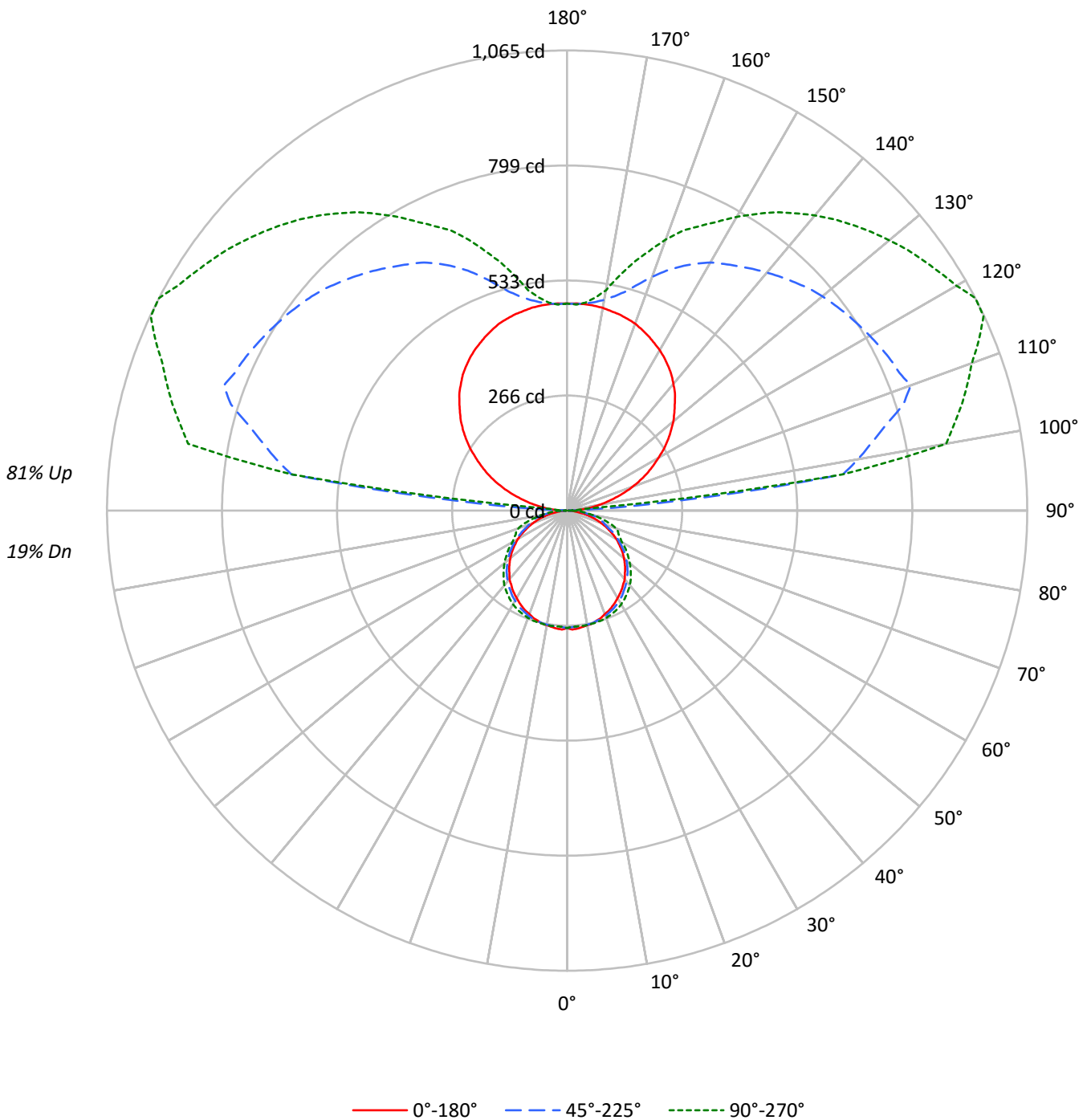
Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2195	2195	2195
5°	2219	2188	2181
10°	2206	2199	2206
15°	2202	2210	2233
20°	2191	2231	2271
25°	2188	2238	2305
30°	2177	2247	2333
35°	2181	2245	2356
40°	2184	2253	2382
45°	2162	2258	2376
50°	2155	2249	2379
55°	2138	2244	2376
60°	2120	2210	2362
65°	2042	2185	2508
70°	1969	2190	2832
75°	1812	2514	2866
80°	1571	2571	2789
85°	1213	2862	3214



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.8	0.5
10°-20°	75.1	1.6
20°-30°	116.3	2.5
30°-40°	143.6	3.1
40°-50°	153.0	3.3
50°-60°	142.7	3.0
60°-70°	116.3	2.5
70°-80°	80.4	1.7
80°-90°	31.4	0.7
90°-100°	280.7	6.0
100°-110°	709.1	15.1
110°-120°	733.8	15.6
120°-130°	653.4	13.9
130°-140°	544.4	11.6
140°-150°	414.9	8.8
150°-160°	279.2	5.9
160°-170°	151.4	3.2
170°-180°	46.5	1.0
0°-30°	217.2	4.6
0°-40°	360.8	7.7
0°-60°	656.5	14.0
0°-90°	884.6	18.8
90°-120°	1723.6	36.7
90°-150°	3336.3	71.0
90°-180°	3813.0	81.2
0°-180°	4697.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	272	272	272	272	272	
5°	274	272	270	271	269	26
15°	264	264	264	267	267	75
25°	246	248	251	257	259	113
35°	221	223	228	236	239	138
45°	189	192	198	204	208	146
55°	152	155	159	164	169	136
65°	107	110	114	125	131	106
75°	58	62	81	91	92	62
85°	13	24	31	35	35	15
90°	2	3	3	2	2	5
95°	39	308	241	38	38	39
105°	116	489	763	902	945	124
115°	204	505	826	1027	1063	201
125°	284	518	791	959	1008	254
135°	352	533	746	890	935	272
145°	408	523	690	802	843	255
155°	445	497	624	702	727	206
165°	470	483	525	577	594	133
175°	479	480	481	486	483	46
180°	479	479	479	479	479	



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CATALOG NUMBER: J3-UL-60L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	271.9	271.9	271.9	271.9	271.9
2.5°	275.7	271.9	270.0	271.0	269.1
5°	273.8	271.9	270.0	271.0	269.1
7.5°	271.9	271.0	269.1	271.0	269.1
10°	269.1	269.1	268.2	270.0	269.1
12.5°	268.2	267.2	267.2	269.1	268.2
15°	263.5	264.4	264.4	267.2	267.2
17.5°	260.7	261.6	262.5	266.3	266.3
20°	255.0	257.8	259.7	264.4	264.4
22.5°	251.3	253.2	255.0	260.7	261.6
25°	245.6	248.5	251.3	256.9	258.8
27.5°	240.0	242.8	246.6	253.2	255.0
30°	233.5	237.2	241.0	247.5	250.3
32.5°	227.8	230.6	235.3	242.8	244.7
35°	221.3	223.1	227.8	236.3	239.1
37.5°	213.8	215.6	221.3	228.8	232.5
40°	207.2	209.1	213.8	221.3	226.0
42.5°	197.8	200.6	206.3	212.8	217.5
45°	189.4	192.2	197.8	204.4	208.1
47.5°	181.0	183.8	188.5	195.0	198.8
50°	171.6	174.4	179.1	185.6	189.4
52.5°	162.2	165.0	169.7	175.3	179.1
55°	151.9	154.7	159.4	164.1	168.8
57.5°	141.6	144.4	148.1	153.8	158.5
60°	131.3	133.1	136.9	143.5	146.3
62.5°	120.0	121.9	125.6	132.2	138.8
65°	106.9	109.7	114.4	124.7	131.3
67.5°	95.6	97.5	102.2	117.2	127.5
70°	83.4	86.3	92.8	114.4	120.0
72.5°	71.3	74.1	86.3	105.0	107.8
75°	58.1	61.9	80.6	90.9	91.9
77.5°	45.9	50.6	69.4	75.0	75.9
80°	33.8	42.2	55.3	59.1	60.0
82.5°	22.5	35.6	41.3	45.9	45.9
85°	13.1	24.4	30.9	34.7	34.7
87.5°	7.5	15.9	23.4	27.2	26.3
90°	1.9	2.8	2.8	1.9	1.9
92.5°	21.6	68.4	18.8	17.8	17.8
95°	39.4	307.5	241.0	38.4	37.5
97.5°	56.3	373.2	644.1	779.1	643.2
100°	75.0	451.0	683.5	844.8	890.7
102.5°	95.6	478.2	721.0	868.2	917.0
105°	116.3	489.4	763.2	902.0	945.1
107.5°	138.8	496.9	815.7	929.2	971.3
110°	161.3	500.7	845.7	962.9	996.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	182.8	503.5	832.6	1001.4	1031.4
115°	204.4	505.4	826.0	1026.7	1063.2
117.5°	224.1	508.2	817.6	1003.2	1065.1
120°	243.8	511.0	809.1	987.3	1040.7
122.5°	265.3	514.7	799.8	974.2	1023.9
125°	284.1	517.6	791.3	959.2	1007.9
127.5°	302.8	520.4	781.0	943.2	992.0
130°	320.7	526.9	771.6	927.3	973.2
132.5°	336.6	530.7	760.4	909.5	954.5
135°	352.5	532.6	746.3	889.8	934.8
137.5°	369.4	531.6	733.2	871.0	914.2
140°	382.5	530.7	719.1	848.5	891.7
142.5°	396.6	527.9	705.1	826.0	867.3
145°	407.9	523.2	690.1	801.6	842.9
147.5°	419.1	517.6	676.9	776.3	813.8
150°	428.5	509.1	662.9	749.1	784.8
152.5°	436.9	502.6	644.1	724.8	753.8
155°	445.4	496.9	623.5	702.3	726.6
157.5°	452.9	493.2	601.0	675.1	701.3
160°	460.4	488.5	575.7	646.0	667.6
162.5°	465.0	485.7	549.4	611.3	629.1
165°	469.7	482.9	525.1	576.6	594.4
167.5°	472.5	481.0	508.2	540.1	556.0
170°	476.3	480.0	495.1	513.8	517.6
172.5°	478.2	480.0	486.6	496.0	496.9
175°	479.1	480.0	481.0	485.7	482.9
177.5°	480.0	481.0	478.2	481.0	477.2
180°	479.1	479.1	479.1	479.1	479.1

(END OF REPORT)