

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: P253474

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253474  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-60L93050-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR 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: 4499.4 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

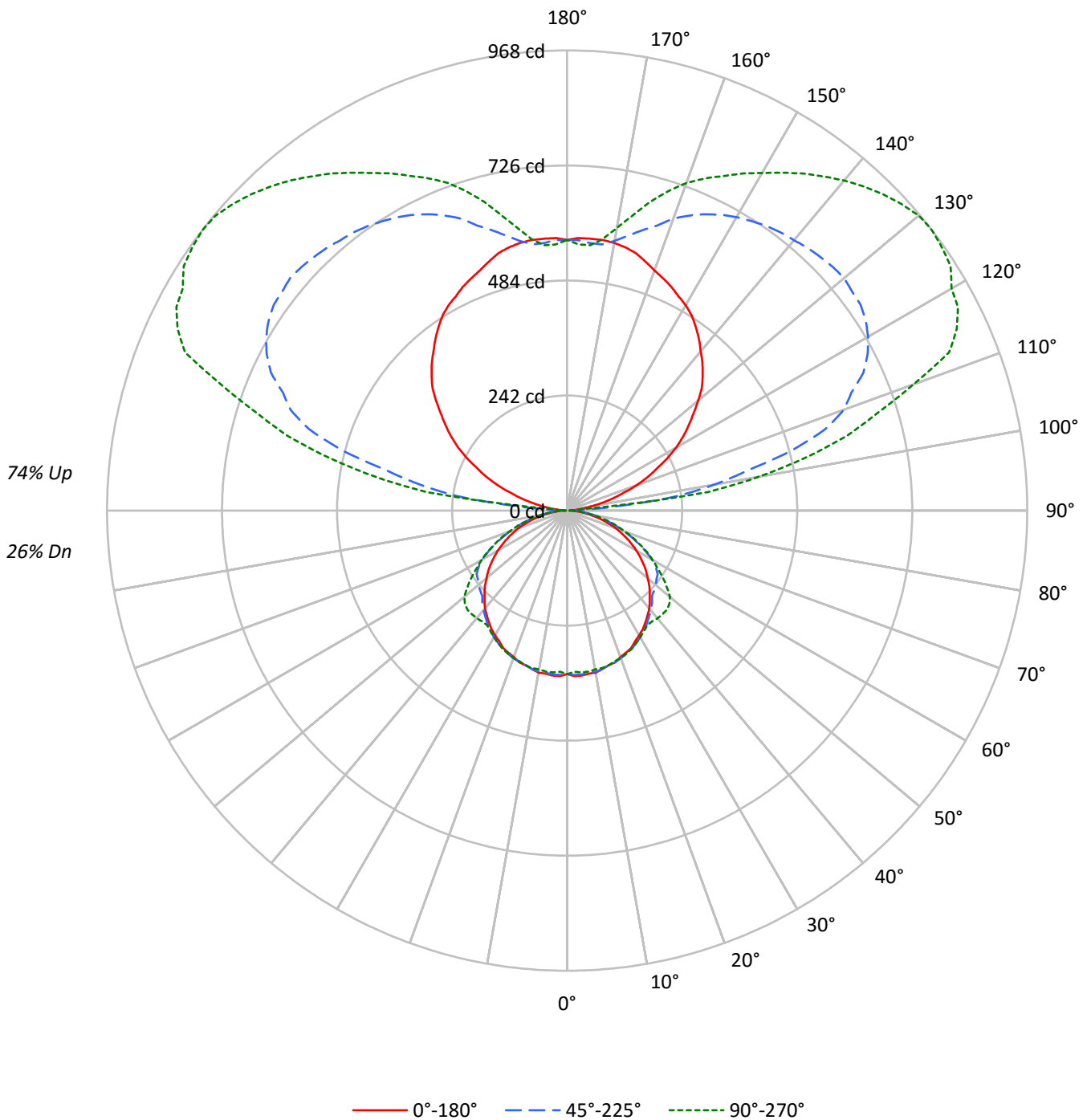
Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2776	2776	2776
5°	2823	2805	2768
10°	2837	2819	2781
15°	2817	2817	2817
20°	2817	2837	2837
25°	2840	2860	2860
30°	2824	2866	2866
35°	2827	2873	2895
40°	2832	2880	3119
45°	2807	2886	3379
50°	2774	3061	3547
55°	2756	3270	3461
60°	2721	3345	3345
65°	2653	3175	3219
70°	2580	3009	3064
75°	2414	2842	2913
80°	2222	2752	2645
85°	2112	2955	2529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.8	0.7
10°-20°	95.2	2.1
20°-30°	147.1	3.3
30°-40°	182.4	4.1
40°-50°	204.1	4.5
50°-60°	199.5	4.4
60°-70°	157.4	3.5
70°-80°	95.2	2.1
80°-90°	33.9	0.8
90°-100°	116.9	2.6
100°-110°	452.0	10.0
110°-120°	621.1	13.8
120°-130°	628.4	14.0
130°-140°	556.9	12.4
140°-150°	440.5	9.8
150°-160°	307.5	6.8
160°-170°	174.0	3.9
170°-180°	54.6	1.2
0°-30°	275.0	6.1
0°-40°	457.5	10.2
0°-60°	861.1	19.1
0°-90°	1147.6	25.5
90°-120°	1190.0	26.4
90°-150°	2815.7	62.6
90°-180°	3352.0	74.5
0°-180°	4499.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	344	344	344	344	344	
5°	348	344	346	344	342	33
15°	337	335	337	337	337	95
25°	319	314	321	321	321	146
35°	287	287	292	294	294	180
45°	246	248	253	285	296	190
55°	196	198	232	246	246	175
65°	139	146	166	168	168	137
75°	77	91	91	93	93	82
85°	23	36	32	30	27	24
90°	5	14	11	2	2	4
95°	18	91	109	23	23	23
105°	100	323	490	565	610	106
115°	207	437	688	852	904	207
125°	312	506	754	918	963	279
135°	403	556	754	902	940	310
145°	471	569	731	838	865	295
155°	519	556	688	763	776	239
165°	560	558	610	663	672	158
175°	574	567	565	565	560	55
180°	569	569	569	569	569	



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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	343.9	343.9	343.9	343.9	343.9
2.5°	348.4	343.9	346.1	343.9	339.3
5°	348.4	343.9	346.1	343.9	341.6
7.5°	346.1	343.9	343.9	341.6	341.6
10°	346.1	341.6	343.9	341.6	339.3
12.5°	341.6	339.3	341.6	339.3	339.3
15°	337.0	334.7	337.0	337.0	337.0
17.5°	334.7	330.2	334.7	334.7	332.5
20°	327.9	325.6	330.2	330.2	330.2
22.5°	323.4	321.1	325.6	325.6	325.6
25°	318.8	314.3	321.1	321.1	321.1
27.5°	309.7	309.7	314.3	316.5	314.3
30°	302.9	300.6	307.4	309.7	307.4
32.5°	296.0	293.8	300.6	302.9	300.6
35°	286.9	286.9	291.5	293.8	293.8
37.5°	277.8	277.8	282.4	284.7	293.8
40°	268.7	268.7	273.3	286.9	296.0
42.5°	257.3	257.3	264.2	284.7	296.0
45°	245.9	248.2	252.8	284.7	296.0
47.5°	234.6	236.8	248.2	282.4	291.5
50°	220.9	225.4	243.7	275.5	282.4
52.5°	209.5	211.8	236.8	264.2	264.2
55°	195.8	198.1	232.3	245.9	245.9
57.5°	182.2	184.5	220.9	225.4	225.4
60°	168.5	170.8	207.2	207.2	207.2
62.5°	152.6	157.1	186.7	189.0	189.0
65°	138.9	145.7	166.2	168.5	168.5
67.5°	123.0	134.4	148.0	150.3	150.3
70°	109.3	123.0	127.5	129.8	129.8
72.5°	93.4	107.0	109.3	111.6	111.6
75°	77.4	91.1	91.1	93.4	93.4
77.5°	61.5	72.9	75.1	75.1	75.1
80°	47.8	54.7	59.2	56.9	56.9
82.5°	34.2	43.3	43.3	43.3	41.0
85°	22.8	36.4	31.9	29.6	27.3
87.5°	13.7	31.9	18.2	15.9	15.9
90°	4.6	13.7	11.4	2.3	2.3
92.5°	9.1	22.8	11.4	9.1	6.8
95°	18.2	91.1	109.3	22.8	22.8
97.5°	34.2	152.6	234.6	277.8	298.3
100°	52.4	227.7	314.3	384.8	409.9
102.5°	75.1	275.5	387.1	475.9	512.4
105°	100.2	323.4	489.6	564.7	610.3
107.5°	125.2	359.8	569.3	653.6	685.4
110°	154.8	389.4	619.4	765.1	774.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	182.2	412.2	646.7	819.8	869.9
115°	207.2	437.2	687.7	851.7	904.1
117.5°	236.8	455.4	712.8	869.9	926.8
120°	264.2	471.4	731.0	892.7	933.7
122.5°	289.2	489.6	744.6	910.9	956.4
125°	312.0	505.5	753.8	917.7	963.3
127.5°	334.7	519.2	756.0	920.0	967.8
130°	359.8	532.9	760.6	917.7	965.5
132.5°	384.8	546.5	758.3	910.9	954.1
135°	403.1	555.6	753.8	901.8	940.5
137.5°	421.3	562.5	749.2	888.1	924.5
140°	437.2	567.0	742.4	872.2	906.3
142.5°	455.4	569.3	737.8	856.2	885.8
145°	471.4	569.3	731.0	838.0	865.3
147.5°	487.3	567.0	721.9	819.8	842.6
150°	498.7	562.5	712.8	801.6	819.8
152.5°	507.8	557.9	701.4	781.1	799.3
155°	519.2	555.6	687.7	762.9	776.5
157.5°	528.3	555.6	671.8	742.4	756.0
160°	537.4	555.6	653.6	721.9	733.3
162.5°	548.8	555.6	628.5	692.3	703.7
165°	560.2	557.9	610.3	662.7	671.8
167.5°	567.0	557.9	592.1	626.2	635.3
170°	571.6	562.5	576.1	601.2	603.5
172.5°	573.9	567.0	564.7	576.1	576.1
175°	573.9	567.0	564.7	564.7	560.2
177.5°	573.9	569.3	569.3	567.0	560.2
180°	569.3	569.3	569.3	569.3	569.3

(END OF REPORT)