

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: P253496

Luminaire Tested: **J3-CL-40L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253496  
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-40L93050-1D-UNV-W2A-W-4 (5000K)  
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 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3589.0 lumens  
Efficiency: N/A  
Efficacy: 123.3 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

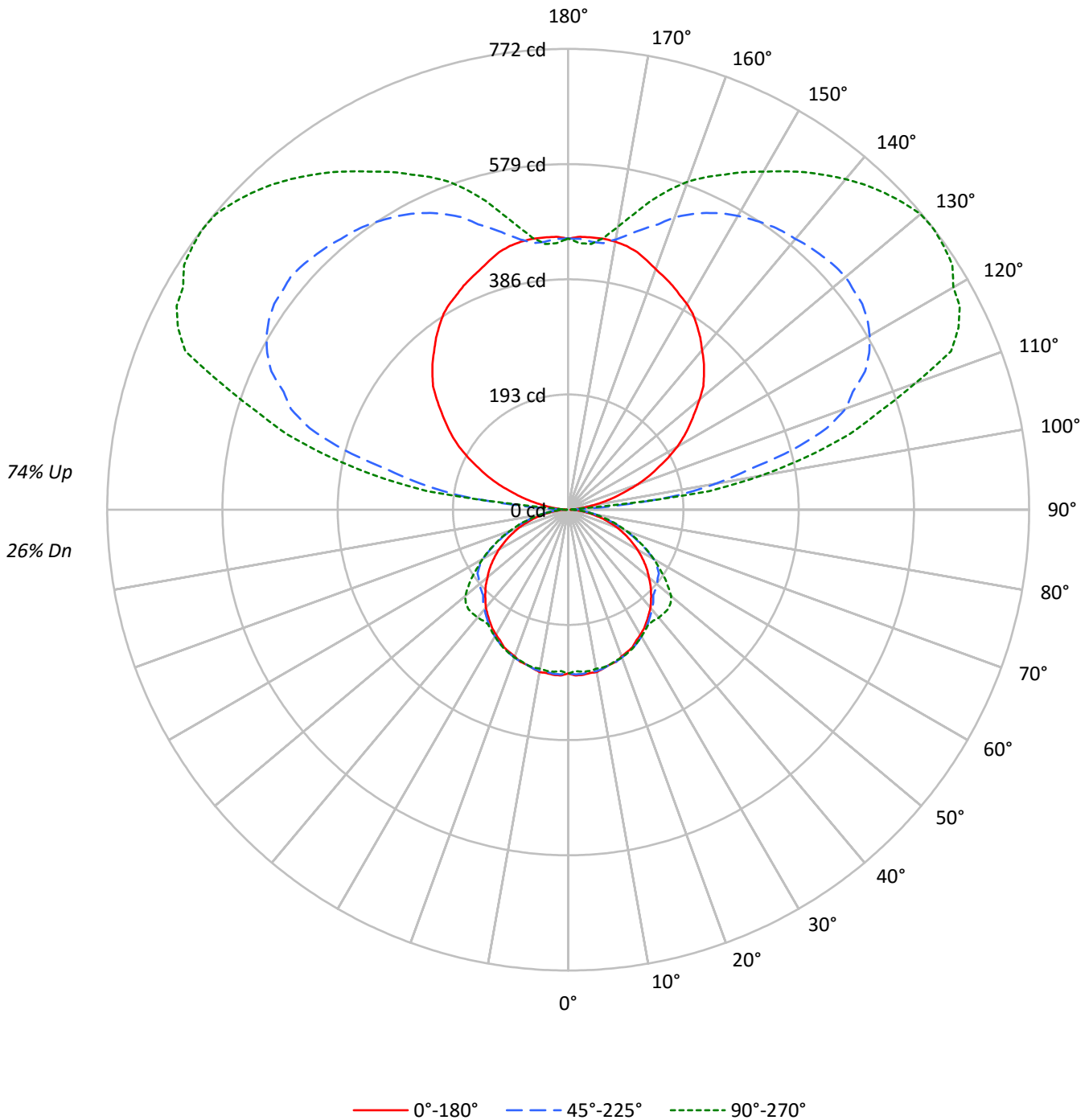
Input Watts (W): 29.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2214	2214	2214
5°	2252	2237	2208
10°	2263	2249	2218
15°	2247	2247	2247
20°	2247	2263	2263
25°	2265	2281	2281
30°	2252	2286	2286
35°	2256	2291	2309
40°	2258	2297	2488
45°	2240	2302	2696
50°	2213	2442	2828
55°	2198	2608	2761
60°	2170	2669	2669
65°	2117	2533	2567
70°	2058	2400	2443
75°	1928	2268	2324
80°	1771	2194	2111
85°	1686	2353	2019



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.2	0.7
10°-20°	75.9	2.1
20°-30°	117.3	3.3
30°-40°	145.5	4.1
40°-50°	162.8	4.5
50°-60°	159.1	4.4
60°-70°	125.5	3.5
70°-80°	76.0	2.1
80°-90°	27.0	0.8
90°-100°	93.2	2.6
100°-110°	360.5	10.0
110°-120°	495.4	13.8
120°-130°	501.2	14.0
130°-140°	444.2	12.4
140°-150°	351.3	9.8
150°-160°	245.3	6.8
160°-170°	138.8	3.9
170°-180°	43.5	1.2
0°-30°	219.4	6.1
0°-40°	364.9	10.2
0°-60°	686.8	19.1
0°-90°	915.4	25.5
90°-120°	949.2	26.4
90°-150°	2245.9	62.6
90°-180°	2674.0	74.5
0°-180°	3589.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	274	274	274	274	274	
5°	278	274	276	274	272	26
15°	269	267	269	269	269	76
25°	254	251	256	256	256	117
35°	229	229	232	234	234	143
45°	196	198	202	227	236	151
55°	156	158	185	196	196	140
65°	111	116	133	134	134	109
75°	62	73	73	74	74	65
85°	18	29	25	24	22	19
90°	4	11	9	2	2	3
95°	14	73	87	18	18	18
105°	80	258	390	450	487	85
115°	165	349	549	679	721	165
125°	249	403	601	732	768	223
135°	322	443	601	719	750	248
145°	376	454	583	668	690	235
155°	414	443	549	608	619	191
165°	447	445	487	529	536	126
175°	458	452	450	450	447	44
180°	454	454	454	454	454	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	274.3	274.3	274.3	274.3	274.3
2.5°	277.9	274.3	276.1	274.3	270.6
5°	277.9	274.3	276.1	274.3	272.5
7.5°	276.1	274.3	274.3	272.5	272.5
10°	276.1	272.5	274.3	272.5	270.6
12.5°	272.5	270.6	272.5	270.6	270.6
15°	268.8	267.0	268.8	268.8	268.8
17.5°	267.0	263.4	267.0	267.0	265.2
20°	261.6	259.7	263.4	263.4	263.4
22.5°	257.9	256.1	259.7	259.7	259.7
25°	254.3	250.7	256.1	256.1	256.1
27.5°	247.0	247.0	250.7	252.5	250.7
30°	241.6	239.8	245.2	247.0	245.2
32.5°	236.1	234.3	239.8	241.6	239.8
35°	228.9	228.9	232.5	234.3	234.3
37.5°	221.6	221.6	225.2	227.1	234.3
40°	214.3	214.3	218.0	228.9	236.1
42.5°	205.3	205.3	210.7	227.1	236.1
45°	196.2	198.0	201.6	227.1	236.1
47.5°	187.1	188.9	198.0	225.2	232.5
50°	176.2	179.8	194.4	219.8	225.2
52.5°	167.1	168.9	188.9	210.7	210.7
55°	156.2	158.0	185.3	196.2	196.2
57.5°	145.3	147.1	176.2	179.8	179.8
60°	134.4	136.2	165.3	165.3	165.3
62.5°	121.7	125.3	148.9	150.8	150.8
65°	110.8	116.3	132.6	134.4	134.4
67.5°	98.1	107.2	118.1	119.9	119.9
70°	87.2	98.1	101.7	103.5	103.5
72.5°	74.5	85.4	87.2	89.0	89.0
75°	61.8	72.7	72.7	74.5	74.5
77.5°	49.0	58.1	59.9	59.9	59.9
80°	38.1	43.6	47.2	45.4	45.4
82.5°	27.2	34.5	34.5	34.5	32.7
85°	18.2	29.1	25.4	23.6	21.8
87.5°	10.9	25.4	14.5	12.7	12.7
90°	3.6	10.9	9.1	1.8	1.8
92.5°	7.3	18.2	9.1	7.3	5.4
95°	14.5	72.7	87.2	18.2	18.2
97.5°	27.2	121.7	187.1	221.6	237.9
100°	41.8	181.6	250.7	307.0	327.0
102.5°	59.9	219.8	308.8	379.6	408.7
105°	79.9	257.9	390.5	450.5	486.8
107.5°	99.9	287.0	454.1	521.3	546.7
110°	123.5	310.6	494.1	610.3	617.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	145.3	328.8	515.9	653.9	693.9
115°	165.3	348.8	548.6	679.3	721.1
117.5°	188.9	363.3	568.5	693.9	739.3
120°	210.7	376.0	583.1	712.0	744.7
122.5°	230.7	390.5	594.0	726.6	762.9
125°	248.8	403.2	601.2	732.0	768.3
127.5°	267.0	414.1	603.0	733.8	772.0
130°	287.0	425.0	606.7	732.0	770.2
132.5°	307.0	435.9	604.9	726.6	761.1
135°	321.5	443.2	601.2	719.3	750.2
137.5°	336.0	448.7	597.6	708.4	737.5
140°	348.8	452.3	592.1	695.7	722.9
142.5°	363.3	454.1	588.5	683.0	706.6
145°	376.0	454.1	583.1	668.4	690.2
147.5°	388.7	452.3	575.8	653.9	672.1
150°	397.8	448.7	568.5	639.4	653.9
152.5°	405.1	445.0	559.5	623.0	637.6
155°	414.1	443.2	548.6	608.5	619.4
157.5°	421.4	443.2	535.8	592.1	603.0
160°	428.7	443.2	521.3	575.8	584.9
162.5°	437.8	443.2	501.3	552.2	561.3
165°	446.8	445.0	486.8	528.6	535.8
167.5°	452.3	445.0	472.3	499.5	506.8
170°	455.9	448.7	459.6	479.5	481.3
172.5°	457.7	452.3	450.5	459.6	459.6
175°	457.7	452.3	450.5	450.5	446.8
177.5°	457.7	454.1	454.1	452.3	446.8
180°	454.1	454.1	454.1	454.1	454.1

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