

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: P275007

Luminaire Tested: **J3-CL-40L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275007  
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-40L82765-1D-UNV-W2A-W-4 (2700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3528.1 lumens  
Efficiency: N/A  
Efficacy: 126.5 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

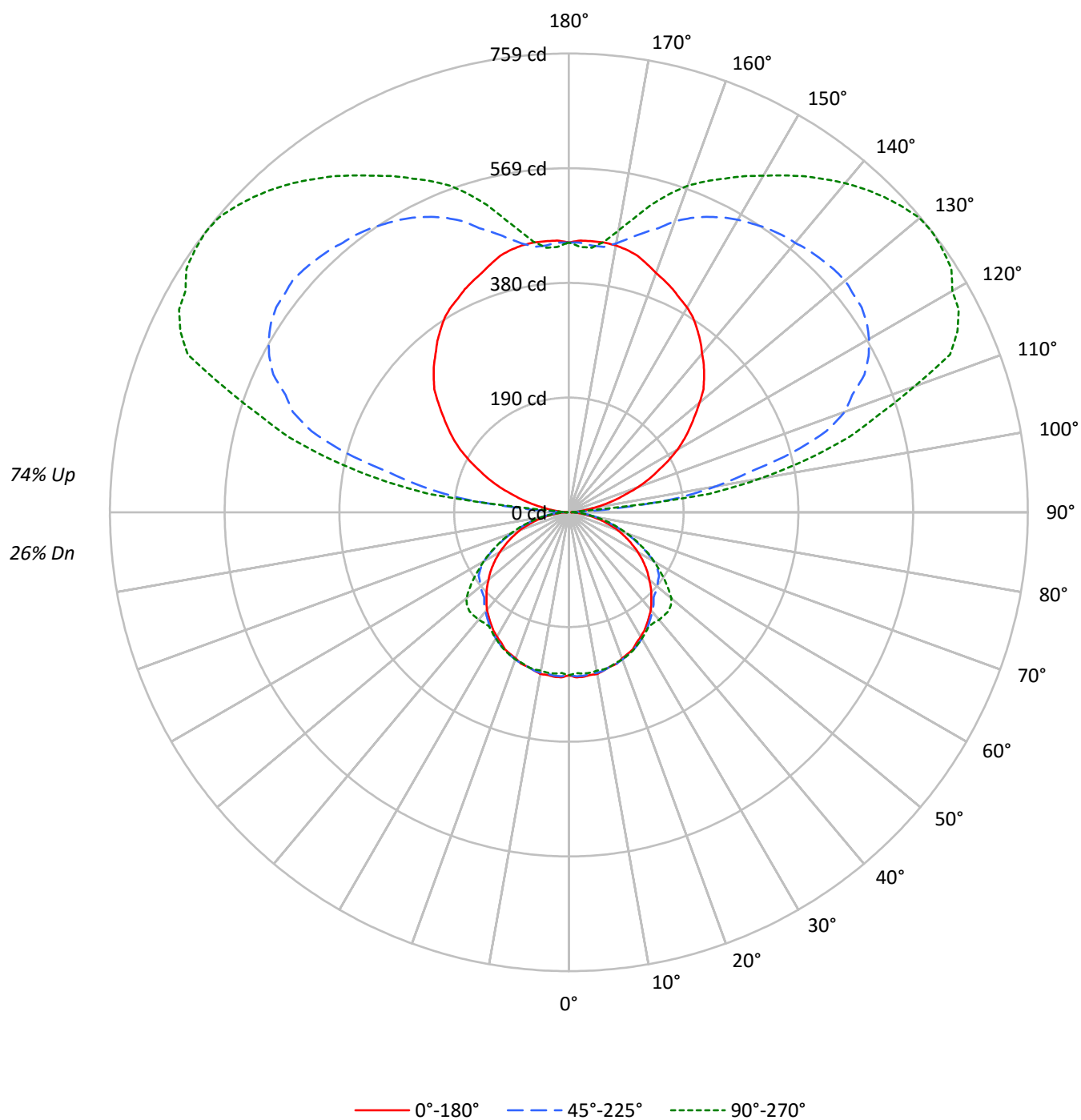
Input Watts (W): 27.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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					0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	101	101	101	101		90	90	90	90		70	70	70		51	51	51		34	34	34
1	92	88	84	80		82	78	75	72		61	58	56		44	43	42		29	28	28
2	84	76	70	65		74	68	63	59		53	49	46		38	36	34		25	24	23
3	76	67	60	54		67	60	54	49		46	42	38		34	31	29		22	21	19
4	69	59	51	45		61	53	46	41		41	36	32		30	27	24		20	18	16
5	63	52	44	38		56	47	40	35		36	31	28		27	23	21		18	16	14
6	58	46	39	33		52	42	35	30		32	28	24		24	21	18		16	14	12
7	54	42	34	29		48	37	31	26		29	24	21		22	18	16		14	12	11
8	50	38	30	25		44	34	27	23		26	22	18		20	16	14		13	11	9
9	46	34	27	22		41	31	24	20		24	19	16		18	15	12		12	10	8
10	43	31	24	19		38	28	22	18		22	17	14		16	13	11		11	9	8

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

	0°	45°	90°
0°	2176	2176	2176
5°	2214	2199	2170
10°	2225	2210	2181
15°	2209	2209	2209
20°	2209	2224	2224
25°	2227	2243	2243
30°	2214	2247	2247
35°	2217	2253	2270
40°	2220	2258	2446
45°	2201	2263	2650
50°	2175	2400	2781
55°	2162	2563	2714
60°	2133	2624	2624
65°	2080	2491	2523
70°	2023	2360	2403
75°	1893	2227	2283
80°	1743	2157	2073
85°	1658	2316	1982



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.7	0.7
10°-20°	74.6	2.1
20°-30°	115.3	3.3
30°-40°	143.0	4.1
40°-50°	160.1	4.5
50°-60°	156.4	4.4
60°-70°	123.4	3.5
70°-80°	74.7	2.1
80°-90°	26.6	0.8
90°-100°	91.6	2.6
100°-110°	354.4	10.0
110°-120°	487.0	13.8
120°-130°	492.7	14.0
130°-140°	436.7	12.4
140°-150°	345.4	9.8
150°-160°	241.2	6.8
160°-170°	136.5	3.9
170°-180°	42.8	1.2
0°-30°	215.7	6.1
0°-40°	358.7	10.2
0°-60°	675.2	19.1
0°-90°	899.8	25.5
90°-120°	933.1	26.4
90°-150°	2207.9	62.6
90°-180°	2628.0	74.5
0°-180°	3528.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	270	270	270	270	270	
5°	273	270	271	270	268	26
15°	264	262	264	264	264	75
25°	250	246	252	252	252	115
35°	225	225	229	230	230	141
45°	193	195	198	223	232	149
55°	154	155	182	193	193	137
65°	109	114	130	132	132	107
75°	61	71	71	73	73	64
85°	18	29	25	23	21	19
90°	4	11	9	2	2	3
95°	14	71	86	18	18	18
105°	79	254	384	443	479	84
115°	162	343	539	668	709	162
125°	245	396	591	720	755	219
135°	316	436	591	707	738	243
145°	370	446	573	657	678	231
155°	407	436	539	598	609	188
165°	439	438	479	520	527	124
175°	450	445	443	443	439	43
180°	446	446	446	446	446	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	269.6	269.6	269.6	269.6	269.6
2.5°	273.2	269.6	271.4	269.6	266.1
5°	273.2	269.6	271.4	269.6	267.8
7.5°	271.4	269.6	269.6	267.8	267.8
10°	271.4	267.8	269.6	267.8	266.1
12.5°	267.8	266.1	267.8	266.1	266.1
15°	264.3	262.5	264.3	264.3	264.3
17.5°	262.5	258.9	262.5	262.5	260.7
20°	257.1	255.3	258.9	258.9	258.9
22.5°	253.6	251.8	255.3	255.3	255.3
25°	250.0	246.4	251.8	251.8	251.8
27.5°	242.8	242.8	246.4	248.2	246.4
30°	237.5	235.7	241.1	242.8	241.1
32.5°	232.1	230.3	235.7	237.5	235.7
35°	225.0	225.0	228.6	230.3	230.3
37.5°	217.8	217.8	221.4	223.2	230.3
40°	210.7	210.7	214.3	225.0	232.1
42.5°	201.8	201.8	207.1	223.2	232.1
45°	192.8	194.6	198.2	223.2	232.1
47.5°	183.9	185.7	194.6	221.4	228.6
50°	173.2	176.8	191.1	216.1	221.4
52.5°	164.3	166.1	185.7	207.1	207.1
55°	153.6	155.4	182.1	192.8	192.8
57.5°	142.9	144.6	173.2	176.8	176.8
60°	132.1	133.9	162.5	162.5	162.5
62.5°	119.6	123.2	146.4	148.2	148.2
65°	108.9	114.3	130.4	132.1	132.1
67.5°	96.4	105.4	116.1	117.9	117.9
70°	85.7	96.4	100.0	101.8	101.8
72.5°	73.2	83.9	85.7	87.5	87.5
75°	60.7	71.4	71.4	73.2	73.2
77.5°	48.2	57.1	58.9	58.9	58.9
80°	37.5	42.9	46.4	44.6	44.6
82.5°	26.8	33.9	33.9	33.9	32.1
85°	17.9	28.6	25.0	23.2	21.4
87.5°	10.7	25.0	14.3	12.5	12.5
90°	3.6	10.7	8.9	1.8	1.8
92.5°	7.1	17.9	8.9	7.1	5.4
95°	14.3	71.4	85.7	17.9	17.9
97.5°	26.8	119.6	183.9	217.8	233.9
100°	41.1	178.6	246.4	301.8	321.4
102.5°	58.9	216.1	303.6	373.2	401.8
105°	78.6	253.6	383.9	442.8	478.6
107.5°	98.2	282.1	446.4	512.5	537.5
110°	121.4	305.3	485.7	600.0	607.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	142.9	323.2	507.1	642.8	682.1
115°	162.5	342.8	539.3	667.8	708.9
117.5°	185.7	357.1	558.9	682.1	726.8
120°	207.1	369.6	573.2	700.0	732.1
122.5°	226.8	383.9	583.9	714.3	750.0
125°	244.6	396.4	591.0	719.6	755.3
127.5°	262.5	407.1	592.8	721.4	758.9
130°	282.1	417.8	596.4	719.6	757.1
132.5°	301.8	428.6	594.6	714.3	748.2
135°	316.1	435.7	591.0	707.1	737.5
137.5°	330.3	441.1	587.5	696.4	725.0
140°	342.8	444.6	582.1	683.9	710.7
142.5°	357.1	446.4	578.5	671.4	694.6
145°	369.6	446.4	573.2	657.1	678.5
147.5°	382.1	444.6	566.0	642.8	660.7
150°	391.1	441.1	558.9	628.5	642.8
152.5°	398.2	437.5	550.0	612.5	626.8
155°	407.1	435.7	539.3	598.2	608.9
157.5°	414.3	435.7	526.8	582.1	592.8
160°	421.4	435.7	512.5	566.0	575.0
162.5°	430.3	435.7	492.8	542.8	551.8
165°	439.3	437.5	478.6	519.6	526.8
167.5°	444.6	437.5	464.3	491.1	498.2
170°	448.2	441.1	451.8	471.4	473.2
172.5°	450.0	444.6	442.8	451.8	451.8
175°	450.0	444.6	442.8	442.8	439.3
177.5°	450.0	446.4	446.4	444.6	439.3
180°	446.4	446.4	446.4	446.4	446.4

(END OF REPORT)