

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: P275216

Luminaire Tested: **J3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275216  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4730.0 lumens  
Efficiency: N/A  
Efficacy: 134.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

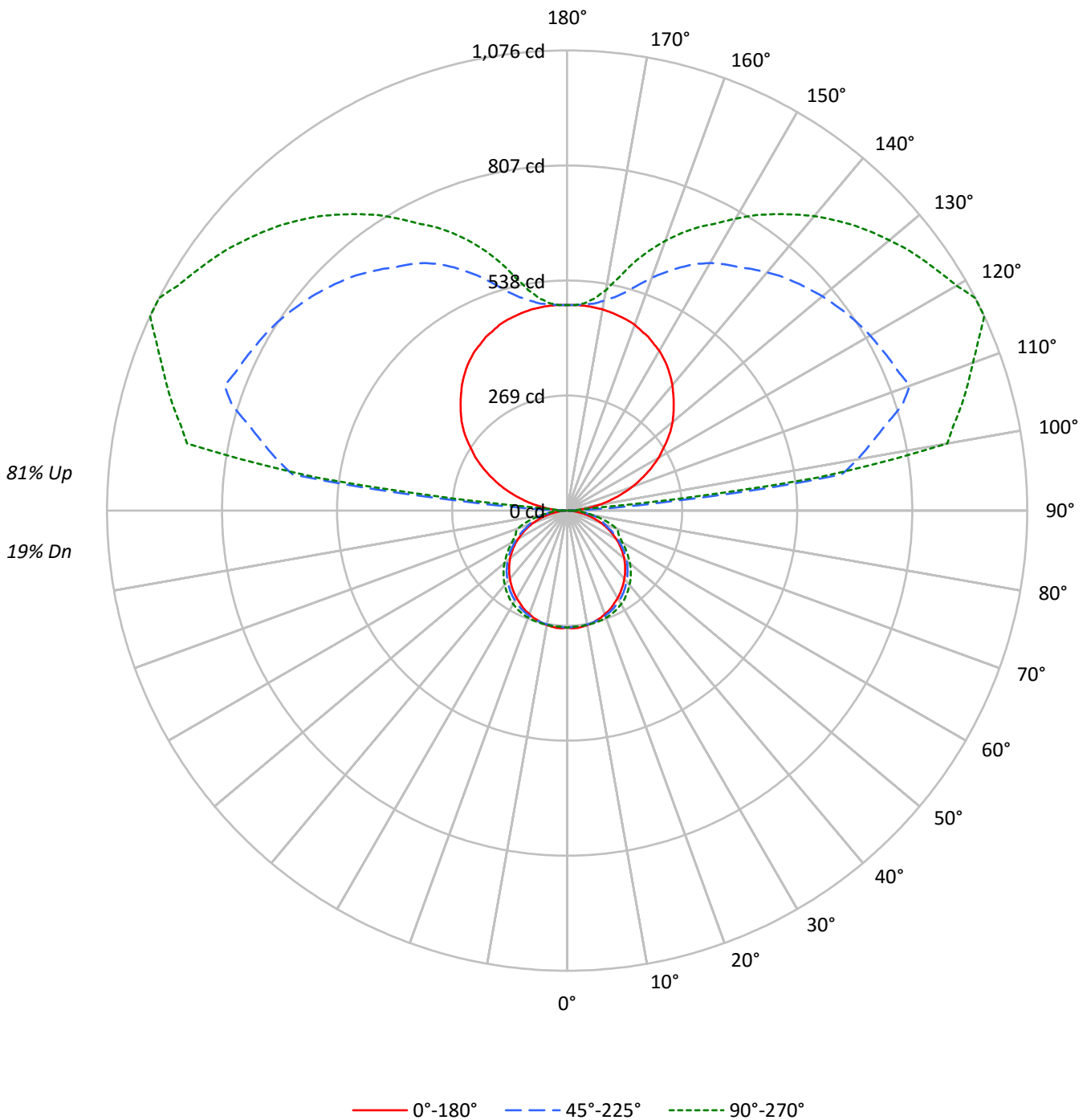
Input Watts (W): 35.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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	20	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°	2210	2210	2210
5°	2233	2208	2203
10°	2229	2215	2224
15°	2218	2228	2253
20°	2214	2245	2290
25°	2211	2259	2322
30°	2204	2270	2353
35°	2196	2278	2376
40°	2192	2278	2391
45°	2192	2280	2401
50°	2188	2277	2404
55°	2168	2267	2401
60°	2133	2228	2401
65°	2071	2206	2535
70°	1985	2209	2880
75°	1831	2533	2901
80°	1599	2562	2836
85°	1260	2908	3242



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.0	0.6
10°-20°	75.7	1.6
20°-30°	117.4	2.5
30°-40°	145.1	3.1
40°-50°	154.8	3.3
50°-60°	144.2	3.0
60°-70°	117.5	2.5
70°-80°	80.8	1.7
80°-90°	31.8	0.7
90°-100°	279.0	5.9
100°-110°	714.3	15.1
110°-120°	739.2	15.6
120°-130°	658.5	13.9
130°-140°	548.4	11.6
140°-150°	417.5	8.8
150°-160°	280.8	5.9
160°-170°	152.2	3.2
170°-180°	46.6	1.0
0°-30°	219.0	4.6
0°-40°	364.2	7.7
0°-60°	663.2	14.0
0°-90°	893.3	18.9
90°-120°	1732.5	36.6
90°-150°	3357.0	71.0
90°-180°	3837.0	81.1
0°-180°	4730.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	274	274	274	274	274	
5°	276	274	272	273	272	26
15°	265	267	267	270	270	75
25°	248	251	254	259	261	114
35°	223	226	231	239	241	140
45°	192	195	200	207	210	148
55°	154	156	161	166	171	138
65°	108	111	116	126	133	107
75°	59	62	81	91	93	62
85°	14	25	31	35	35	16
90°	2	3	3	2	2	4
95°	40	310	229	38	38	39
105°	117	493	770	906	955	124
115°	204	510	834	1030	1076	202
125°	285	521	800	963	1019	255
135°	352	535	755	896	944	272
145°	409	525	696	808	846	256
155°	448	499	627	707	732	207
165°	471	484	528	580	600	133
175°	480	481	484	486	487	46
180°	480	480	480	480	480	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	273.7	273.7	273.7	273.7	273.7
2.5°	275.5	274.9	272.5	273.1	271.9
5°	275.5	274.3	272.5	273.1	271.9
7.5°	273.7	273.1	271.3	272.5	271.9
10°	271.9	271.3	270.2	271.9	271.3
12.5°	269.6	269.6	269.0	270.8	270.8
15°	265.4	267.2	266.6	269.6	269.6
17.5°	262.5	263.6	264.2	267.8	268.4
20°	257.7	260.1	261.3	264.8	266.6
22.5°	253.6	255.9	257.7	262.5	264.2
25°	248.2	250.6	253.6	258.9	260.7
27.5°	241.7	245.9	248.8	255.4	257.1
30°	236.4	239.4	243.5	250.0	252.4
32.5°	229.9	233.4	237.6	244.7	247.6
35°	222.8	226.3	231.1	238.8	241.1
37.5°	215.7	218.6	223.9	231.7	234.6
40°	208.0	210.9	216.2	224.5	226.9
42.5°	200.3	203.2	208.5	216.2	219.2
45°	192.0	194.9	199.7	206.8	210.3
47.5°	183.1	186.0	190.8	197.9	201.4
50°	174.2	176.6	181.3	187.8	191.4
52.5°	164.1	166.5	171.2	177.1	180.7
55°	154.0	156.4	161.1	166.5	170.6
57.5°	143.4	145.7	149.3	155.2	160.0
60°	132.1	134.5	138.0	144.6	148.7
62.5°	120.3	122.6	126.8	133.9	140.4
65°	108.4	110.8	115.5	126.2	132.7
67.5°	96.6	98.9	103.1	118.5	129.2
70°	84.1	86.5	93.6	114.9	122.0
72.5°	71.1	74.6	86.5	106.1	109.0
75°	58.7	62.2	81.2	90.6	93.0
77.5°	45.6	51.0	70.5	74.6	75.8
80°	34.4	42.1	55.1	60.4	61.0
82.5°	23.1	36.1	42.7	46.2	46.2
85°	13.6	24.9	31.4	35.0	35.0
87.5°	7.7	16.6	23.1	27.3	26.7
90°	1.8	3.0	3.0	2.4	2.4
92.5°	21.3	58.1	19.0	17.8	17.8
95°	39.7	310.4	228.7	38.5	38.5
97.5°	55.1	377.4	647.6	783.8	589.5
100°	75.2	452.6	689.0	849.0	902.3
102.5°	94.8	480.5	728.1	872.7	926.0
105°	117.3	492.9	770.2	905.9	955.0
107.5°	139.2	500.0	821.7	934.9	982.3
110°	161.7	503.6	852.5	968.7	1009.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	182.5	506.6	840.7	1007.8	1041.0
115°	204.4	509.5	833.6	1030.3	1075.9
117.5°	225.7	511.3	825.3	1007.2	1075.9
120°	247.1	514.3	818.2	991.8	1051.6
122.5°	264.8	517.8	809.9	978.2	1035.0
125°	285.0	520.8	800.4	963.3	1019.0
127.5°	304.5	523.7	789.7	947.9	1003.0
130°	321.7	530.3	779.1	932.5	983.5
132.5°	337.1	533.8	767.2	914.2	964.5
135°	352.5	535.0	754.8	896.4	944.4
137.5°	367.3	534.4	742.4	876.2	921.9
140°	382.7	532.6	726.9	855.5	898.8
142.5°	396.4	529.1	711.5	832.4	872.7
145°	409.4	524.9	695.5	808.1	846.0
147.5°	420.6	518.4	683.1	782.0	818.8
150°	431.3	511.3	668.3	755.4	788.0
152.5°	439.0	504.8	649.9	729.9	757.2
155°	448.5	498.9	627.4	707.4	731.7
157.5°	454.4	494.1	603.7	679.6	703.2
160°	462.1	490.6	579.4	649.3	671.3
162.5°	467.5	487.0	552.8	615.6	636.9
165°	471.0	484.0	528.5	580.0	599.6
167.5°	474.6	482.9	510.7	542.7	558.1
170°	477.5	481.7	498.3	514.8	523.1
172.5°	479.3	481.1	488.2	497.1	501.2
175°	480.5	481.1	484.0	485.8	487.0
177.5°	481.1	481.1	481.1	480.5	481.1
180°	480.5	480.5	480.5	480.5	480.5

(END OF REPORT)