

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: P275217

Luminaire Tested: **J3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275217
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4895.4 lumens
Efficiency: N/A
Efficacy: 137.1 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

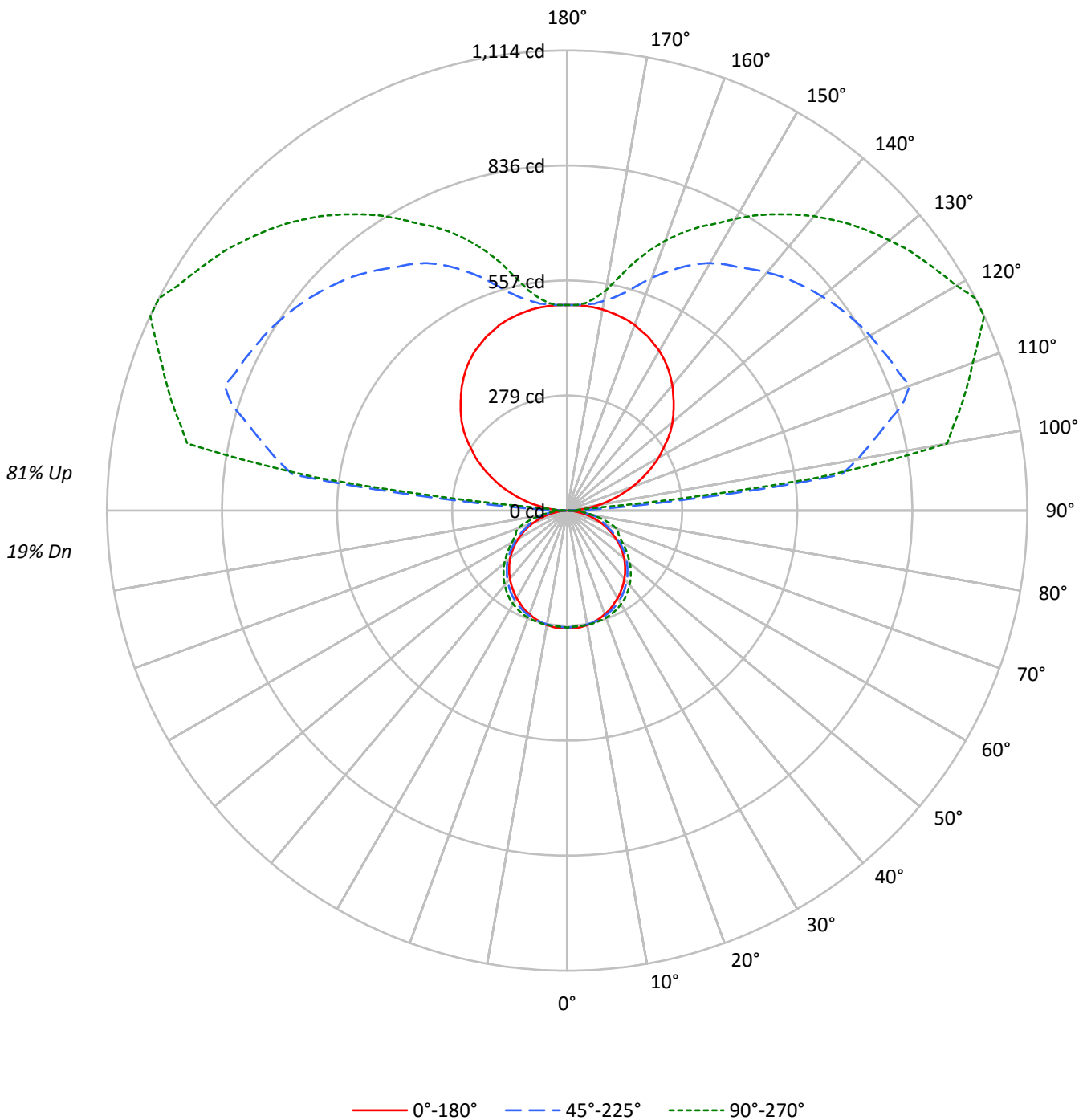
Input Watts (W): 35.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2287	2287	2287
5°	2310	2286	2280
10°	2307	2292	2302
15°	2296	2306	2332
20°	2291	2323	2370
25°	2288	2337	2403
30°	2281	2349	2435
35°	2273	2356	2460
40°	2268	2359	2474
45°	2269	2359	2485
50°	2264	2356	2488
55°	2244	2348	2486
60°	2207	2307	2485
65°	2143	2285	2625
70°	2056	2287	2981
75°	1893	2620	3004
80°	1655	2650	2938
85°	1306	3010	3353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	0.6
10°-20°	78.3	1.6
20°-30°	121.5	2.5
30°-40°	150.2	3.1
40°-50°	160.2	3.3
50°-60°	149.3	3.0
60°-70°	121.6	2.5
70°-80°	83.7	1.7
80°-90°	32.9	0.7
90°-100°	288.8	5.9
100°-110°	739.3	15.1
110°-120°	765.1	15.6
120°-130°	681.6	13.9
130°-140°	567.6	11.6
140°-150°	432.1	8.8
150°-160°	290.7	5.9
160°-170°	157.5	3.2
170°-180°	48.3	1.0
0°-30°	226.7	4.6
0°-40°	376.9	7.7
0°-60°	686.4	14.0
0°-90°	924.6	18.9
90°-120°	1793.1	36.6
90°-150°	3474.4	71.0
90°-180°	3971.0	81.1
0°-180°	4895.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	283	283	283	283	283	
5°	285	284	282	283	281	27
15°	275	276	276	279	279	78
25°	257	259	262	268	270	118
35°	231	234	239	247	250	144
45°	199	202	207	214	218	153
55°	159	162	167	172	177	142
65°	112	115	120	131	137	111
75°	61	64	84	94	96	64
85°	14	26	32	36	36	16
90°	2	3	3	2	2	5
95°	41	321	237	40	40	40
105°	121	510	797	938	988	128
115°	212	527	863	1066	1114	209
125°	295	539	828	997	1055	264
135°	365	554	781	928	977	282
145°	424	543	720	836	876	265
155°	464	516	649	732	757	214
165°	488	501	547	600	620	138
175°	497	498	501	503	504	47
180°	497	497	497	497	497	



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CATALOG NUMBER: J3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	283.3	283.3	283.3	283.3	283.3
2.5°	285.1	284.5	282.1	282.7	281.4
5°	285.1	283.9	282.1	282.7	281.4
7.5°	283.3	282.7	280.8	282.1	281.4
10°	281.4	280.8	279.6	281.4	280.8
12.5°	279.0	279.0	278.4	280.2	280.2
15°	274.7	276.5	275.9	279.0	279.0
17.5°	271.6	272.9	273.5	277.2	277.8
20°	266.7	269.2	270.4	274.1	275.9
22.5°	262.4	264.9	266.7	271.6	273.5
25°	256.9	259.4	262.4	268.0	269.8
27.5°	250.2	254.5	257.5	264.3	266.1
30°	244.7	247.7	252.0	258.8	261.2
32.5°	237.9	241.6	245.9	253.2	256.3
35°	230.6	234.2	239.1	247.1	249.6
37.5°	223.2	226.3	231.8	239.7	242.8
40°	215.2	218.3	223.8	232.4	234.8
42.5°	207.3	210.3	215.8	223.8	226.9
45°	198.7	201.7	206.6	214.0	217.7
47.5°	189.5	192.5	197.4	204.8	208.5
50°	180.3	182.7	187.6	194.4	198.1
52.5°	169.8	172.3	177.2	183.3	187.0
55°	159.4	161.9	166.8	172.3	176.6
57.5°	148.4	150.8	154.5	160.7	165.6
60°	136.7	139.2	142.9	149.6	153.9
62.5°	124.5	126.9	131.2	138.6	145.3
65°	112.2	114.7	119.6	130.6	137.4
67.5°	99.9	102.4	106.7	122.6	133.7
70°	87.1	89.5	96.9	119.0	126.3
72.5°	73.6	77.3	89.5	109.8	112.8
75°	60.7	64.4	84.0	93.8	96.3
77.5°	47.2	52.7	73.0	77.3	78.5
80°	35.6	43.5	57.0	62.5	63.2
82.5°	23.9	37.4	44.1	47.8	47.8
85°	14.1	25.8	32.5	36.2	36.2
87.5°	8.0	17.2	23.9	28.2	27.6
90°	1.8	3.1	3.1	2.5	2.5
92.5°	22.1	60.1	19.6	18.4	18.4
95°	41.1	321.3	236.7	39.9	39.9
97.5°	57.0	390.6	670.2	811.2	610.1
100°	77.9	468.5	713.1	878.7	933.9
102.5°	98.1	497.3	753.6	903.2	958.4
105°	121.4	510.2	797.1	937.5	988.4
107.5°	144.1	517.5	850.5	967.6	1016.6
110°	167.4	521.2	882.4	1002.5	1044.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	188.9	524.3	870.1	1043.0	1077.3
115°	211.5	527.3	862.7	1066.3	1113.5
117.5°	233.6	529.2	854.1	1042.4	1113.5
120°	255.7	532.2	846.8	1026.4	1088.4
122.5°	274.1	535.9	838.2	1012.3	1071.2
125°	294.9	539.0	828.4	997.0	1054.7
127.5°	315.2	542.0	817.4	981.1	1038.1
130°	333.0	548.8	806.3	965.1	1017.9
132.5°	348.9	552.5	794.1	946.1	998.2
135°	364.8	553.7	781.2	927.7	977.4
137.5°	380.2	553.1	768.3	906.9	954.1
140°	396.1	551.2	752.4	885.4	930.2
142.5°	410.2	547.6	736.4	861.5	903.2
145°	423.7	543.3	719.9	836.4	875.6
147.5°	435.4	536.5	707.0	809.4	847.4
150°	446.4	529.2	691.7	781.8	815.5
152.5°	454.4	522.4	672.6	755.4	783.6
155°	464.2	516.3	649.3	732.1	757.3
157.5°	470.3	511.4	624.8	703.3	727.8
160°	478.3	507.7	599.7	672.0	694.7
162.5°	483.8	504.0	572.1	637.1	659.2
165°	487.5	501.0	546.9	600.3	620.5
167.5°	491.1	499.7	528.6	561.7	577.6
170°	494.2	498.5	515.7	532.8	541.4
172.5°	496.1	497.9	505.3	514.5	518.7
175°	497.3	497.9	501.0	502.8	504.0
177.5°	497.9	497.9	497.9	497.3	497.9
180°	497.3	497.3	497.3	497.3	497.3

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