

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: P275229

Luminaire Tested: **J3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-17)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4725.0 lumens
Efficiency: N/A
Efficacy: 129.1 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

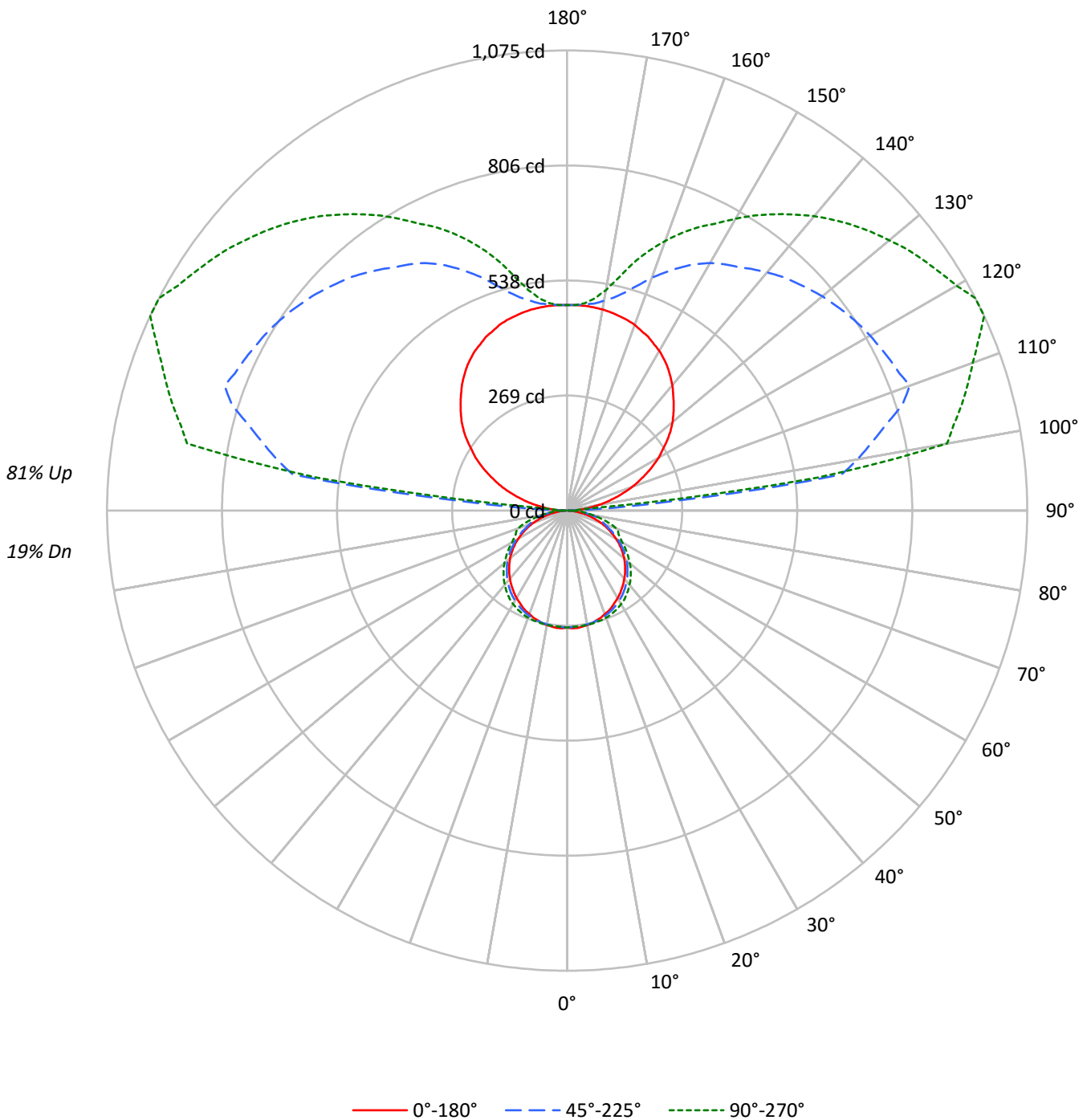
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2207	2207	2207
5°	2230	2206	2202
10°	2227	2213	2222
15°	2216	2226	2251
20°	2211	2242	2288
25°	2209	2256	2320
30°	2201	2267	2350
35°	2193	2275	2374
40°	2189	2276	2389
45°	2190	2277	2399
50°	2185	2274	2401
55°	2166	2266	2398
60°	2131	2227	2398
65°	2069	2204	2533
70°	1983	2207	2877
75°	1828	2530	2898
80°	1595	2557	2836
85°	1260	2908	3233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	0.6
10°-20°	75.6	1.6
20°-30°	117.2	2.5
30°-40°	145.0	3.1
40°-50°	154.6	3.3
50°-60°	144.1	3.0
60°-70°	117.4	2.5
70°-80°	80.8	1.7
80°-90°	31.8	0.7
90°-100°	278.7	5.9
100°-110°	713.5	15.1
110°-120°	738.4	15.6
120°-130°	657.8	13.9
130°-140°	547.9	11.6
140°-150°	417.1	8.8
150°-160°	280.5	5.9
160°-170°	152.0	3.2
170°-180°	46.6	1.0
0°-30°	218.8	4.6
0°-40°	363.8	7.7
0°-60°	662.5	14.0
0°-90°	892.4	18.9
90°-120°	1730.7	36.6
90°-150°	3353.5	71.0
90°-180°	3833.0	81.1
0°-180°	4725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	273	273	273	273	273	
5°	275	274	272	273	272	26
15°	265	267	266	269	269	75
25°	248	250	253	259	260	114
35°	222	226	231	238	241	139
45°	192	195	199	206	210	148
55°	154	156	161	166	170	137
65°	108	111	115	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	228	38	38	39
105°	117	492	769	905	954	124
115°	204	509	833	1029	1075	202
125°	285	520	800	962	1018	254
135°	352	534	754	895	943	272
145°	409	524	695	807	845	256
155°	448	498	627	707	731	206
165°	470	484	528	579	599	133
175°	480	481	484	485	486	46
180°	480	480	480	480	480	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	273.4	273.4	273.4	273.4	273.4
2.5°	275.2	274.6	272.2	272.8	271.7
5°	275.2	274.0	272.2	272.8	271.7
7.5°	273.4	272.8	271.1	272.2	271.7
10°	271.7	271.1	269.9	271.7	271.1
12.5°	269.3	269.3	268.7	270.5	270.5
15°	265.1	266.9	266.3	269.3	269.3
17.5°	262.2	263.4	264.0	267.5	268.1
20°	257.4	259.8	261.0	264.5	266.3
22.5°	253.3	255.7	257.4	262.2	264.0
25°	248.0	250.3	253.3	258.6	260.4
27.5°	241.5	245.6	248.6	255.1	256.9
30°	236.1	239.1	243.2	249.8	252.1
32.5°	229.6	233.2	237.3	244.4	247.4
35°	222.5	226.1	230.8	238.5	240.9
37.5°	215.4	218.4	223.7	231.4	234.4
40°	207.7	210.7	216.0	224.3	226.7
42.5°	200.0	203.0	208.3	216.0	219.0
45°	191.8	194.7	199.4	206.5	210.1
47.5°	182.9	185.8	190.6	197.7	201.2
50°	174.0	176.4	181.1	187.6	191.2
52.5°	163.9	166.3	171.0	177.0	180.5
55°	153.9	156.2	161.0	166.3	170.4
57.5°	143.2	145.6	149.1	155.1	159.8
60°	132.0	134.3	137.9	144.4	148.5
62.5°	120.1	122.5	126.7	133.8	140.3
65°	108.3	110.7	115.4	126.1	132.6
67.5°	96.5	98.8	103.0	118.4	129.0
70°	84.0	86.4	93.5	114.8	121.9
72.5°	71.0	74.6	86.4	105.9	108.9
75°	58.6	62.1	81.1	90.6	92.9
77.5°	45.6	50.9	70.4	74.6	75.8
80°	34.3	42.0	55.0	60.4	61.0
82.5°	23.1	36.1	42.6	46.2	46.2
85°	13.6	24.9	31.4	34.9	34.9
87.5°	7.7	16.6	23.1	27.2	26.6
90°	1.8	3.0	3.0	2.4	2.4
92.5°	21.3	58.0	18.9	17.8	17.8
95°	39.7	310.1	228.4	38.5	38.5
97.5°	55.0	377.0	646.9	783.0	588.9
100°	75.2	452.2	688.3	848.1	901.4
102.5°	94.7	480.0	727.4	871.8	925.0
105°	117.2	492.4	769.4	904.9	954.0
107.5°	139.1	499.5	820.9	933.9	981.3
110°	161.6	503.1	851.6	967.6	1008.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	182.3	506.0	839.8	1006.7	1039.8
115°	204.2	509.0	832.7	1029.2	1074.8
117.5°	225.5	510.8	824.4	1006.1	1074.8
120°	246.8	513.7	817.3	990.7	1050.5
122.5°	264.5	517.3	809.0	977.1	1033.9
125°	284.7	520.2	799.6	962.3	1018.0
127.5°	304.2	523.2	788.9	946.9	1002.0
130°	321.4	529.7	778.3	931.5	982.4
132.5°	336.8	533.2	766.4	913.2	963.5
135°	352.1	534.4	754.0	895.4	943.4
137.5°	366.9	533.8	741.6	875.3	920.9
140°	382.3	532.1	726.2	854.6	897.8
142.5°	395.9	528.5	710.8	831.5	871.8
145°	409.0	524.4	694.8	807.3	845.1
147.5°	420.2	517.9	682.4	781.2	817.9
150°	430.9	510.8	667.6	754.6	787.1
152.5°	438.5	504.2	649.2	729.1	756.4
155°	448.0	498.3	626.8	706.6	730.9
157.5°	453.9	493.6	603.1	678.8	702.5
160°	461.6	490.0	578.8	648.6	670.5
162.5°	467.0	486.5	552.2	614.9	636.2
165°	470.5	483.5	527.9	579.4	598.9
167.5°	474.1	482.3	510.2	542.1	557.5
170°	477.0	481.2	497.7	514.3	522.6
172.5°	478.8	480.6	487.7	496.5	500.7
175°	480.0	480.6	483.5	485.3	486.5
177.5°	480.6	480.6	480.6	480.0	480.6
180°	480.0	480.0	480.0	480.0	480.0

(END OF REPORT)