

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: P275173

Luminaire Tested: **J3-UL-20L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L82765-1D-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, 80 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2443.2 lumens
Efficiency: N/A
Efficacy: 146.3 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

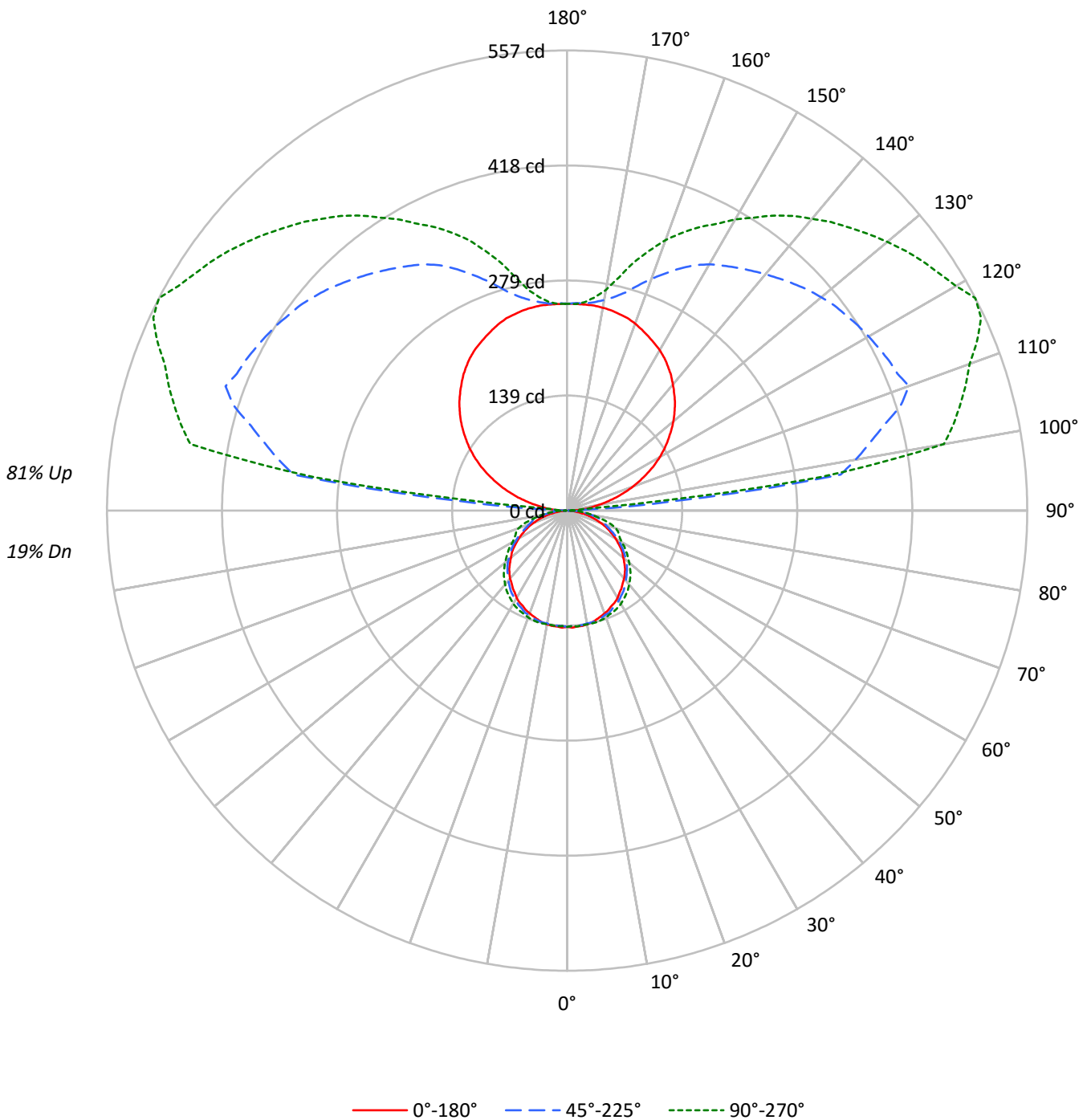
Input Watts (W): 16.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	27	27	27	19				
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	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	19	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	19	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°	1137	1137	1137
5°	1141	1133	1141
10°	1146	1137	1146
15°	1142	1151	1168
20°	1138	1155	1183
25°	1133	1162	1198
30°	1137	1167	1216
35°	1130	1172	1223
40°	1132	1166	1231
45°	1131	1167	1239
50°	1114	1166	1231
55°	1116	1160	1233
60°	1095	1145	1229
65°	1056	1137	1314
70°	1010	1157	1478
75°	942	1335	1497
80°	776	1311	1455
85°	676	1445	1639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.5
10°-20°	39.0	1.6
20°-30°	60.4	2.5
30°-40°	74.6	3.1
40°-50°	79.5	3.3
50°-60°	74.1	3.0
60°-70°	60.7	2.5
70°-80°	41.8	1.7
80°-90°	16.3	0.7
90°-100°	145.4	6.0
100°-110°	368.4	15.1
110°-120°	381.9	15.6
120°-130°	340.5	13.9
130°-140°	283.3	11.6
140°-150°	215.6	8.8
150°-160°	145.2	5.9
160°-170°	78.9	3.2
170°-180°	24.3	1.0
0°-30°	112.8	4.6
0°-40°	187.4	7.7
0°-60°	340.9	14.0
0°-90°	459.7	18.8
90°-120°	895.8	36.7
90°-150°	1735.1	71.0
90°-180°	1984.0	81.2
0°-180°	2443.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	141	141	141	141	141	
5°	141	141	140	141	141	13
15°	137	138	138	139	140	39
25°	127	128	130	134	134	59
35°	115	116	119	123	124	72
45°	99	100	102	106	108	76
55°	79	80	82	86	88	70
65°	55	57	60	66	69	55
75°	30	32	43	47	48	32
85°	7	12	16	18	18	8
90°	1	1	1	1	1	2
95°	21	161	127	20	20	20
105°	62	254	396	468	492	65
115°	107	263	430	534	553	106
125°	149	269	412	500	526	133
135°	185	277	388	464	484	142
145°	213	272	359	417	436	133
155°	233	259	323	365	379	107
165°	246	252	273	300	311	70
175°	250	250	251	253	253	24
180°	250	250	250	250	250	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	140.8	140.8	140.8	140.8	140.8
2.5°	141.8	141.8	139.8	140.8	139.8
5°	140.8	140.8	139.8	140.8	140.8
7.5°	140.8	140.8	139.8	140.8	139.8
10°	139.8	139.8	138.7	139.8	139.8
12.5°	138.7	138.7	138.7	139.8	139.8
15°	136.6	137.7	137.7	138.7	139.8
17.5°	134.5	135.6	136.6	137.7	138.7
20°	132.5	133.5	134.5	136.6	137.7
22.5°	130.4	131.4	133.5	135.6	135.6
25°	127.2	128.3	130.4	133.5	134.5
27.5°	125.2	126.2	128.3	131.4	132.5
30°	122.0	123.1	125.2	129.3	130.4
32.5°	117.9	119.9	122.0	126.2	127.2
35°	114.7	115.8	118.9	123.1	124.1
37.5°	110.6	111.6	114.7	118.9	121.0
40°	107.4	108.5	110.6	114.7	116.8
42.5°	103.3	104.3	106.4	110.6	112.6
45°	99.1	100.1	102.2	106.4	108.5
47.5°	93.9	96.0	98.0	101.2	103.3
50°	88.7	90.7	92.8	97.0	98.0
52.5°	84.5	85.5	87.6	90.7	92.8
55°	79.3	80.3	82.4	85.5	87.6
57.5°	73.0	75.1	77.2	80.3	82.4
60°	67.8	69.9	70.9	75.1	76.1
62.5°	61.5	63.6	65.7	68.8	72.0
65°	55.3	57.4	59.5	65.7	68.8
67.5°	50.1	51.1	53.2	61.5	66.8
70°	42.8	44.8	49.0	59.5	62.6
72.5°	36.5	38.6	44.8	54.2	56.3
75°	30.2	32.3	42.8	46.9	48.0
77.5°	24.0	26.1	36.5	38.6	38.6
80°	16.7	21.9	28.2	31.3	31.3
82.5°	11.5	18.8	21.9	24.0	24.0
85°	7.3	12.5	15.6	17.7	17.7
87.5°	4.2	8.3	12.5	13.6	13.6
90°	1.0	1.0	1.0	1.0	1.0
92.5°	11.5	33.4	9.4	9.4	9.4
95°	20.9	160.6	127.2	19.8	19.8
97.5°	29.2	195.0	333.8	413.0	308.7
100°	38.6	231.5	354.6	438.1	463.1
102.5°	49.0	248.2	374.4	451.6	478.7
105°	61.5	254.5	396.3	468.3	492.3
107.5°	73.0	257.6	423.5	482.9	505.9
110°	84.5	259.7	440.1	499.6	518.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	96.0	260.7	432.8	521.5	537.1
115°	107.4	262.8	429.7	534.0	552.8
117.5°	118.9	263.9	425.5	521.5	557.0
120°	129.3	266.0	421.4	514.2	543.4
122.5°	139.8	267.0	417.2	506.9	534.0
125°	149.1	269.1	412.0	499.6	525.7
127.5°	158.5	271.2	407.8	491.3	516.3
130°	167.9	274.3	401.6	482.9	505.9
132.5°	176.3	276.4	395.3	473.5	495.4
135°	184.6	277.4	388.0	464.1	484.0
137.5°	191.9	277.4	380.7	453.7	473.5
140°	199.2	276.4	373.4	442.2	461.0
142.5°	206.5	275.4	366.1	429.7	449.5
145°	212.8	272.2	358.8	417.2	436.0
147.5°	219.0	269.1	351.5	403.6	420.3
150°	224.2	264.9	344.2	389.0	406.8
152.5°	228.4	261.8	334.8	376.5	391.1
155°	232.6	258.7	323.3	365.0	378.6
157.5°	236.8	256.6	310.8	351.5	364.0
160°	240.9	255.5	298.3	335.8	348.4
162.5°	244.1	253.4	285.8	318.1	329.6
165°	246.1	252.4	273.3	300.4	310.8
167.5°	248.2	251.4	264.9	280.6	288.9
170°	249.3	250.3	258.7	267.0	271.2
172.5°	250.3	250.3	254.5	258.7	260.7
175°	250.3	250.3	251.4	253.4	253.4
177.5°	250.3	251.4	251.4	251.4	250.3
180°	250.3	250.3	250.3	250.3	250.3

(END OF REPORT)