

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: P275174

Luminaire Tested: **J3-UL-20L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L82765-1D-UNV-W2A-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2447.9 lumens
Efficiency: N/A
Efficacy: 144.8 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

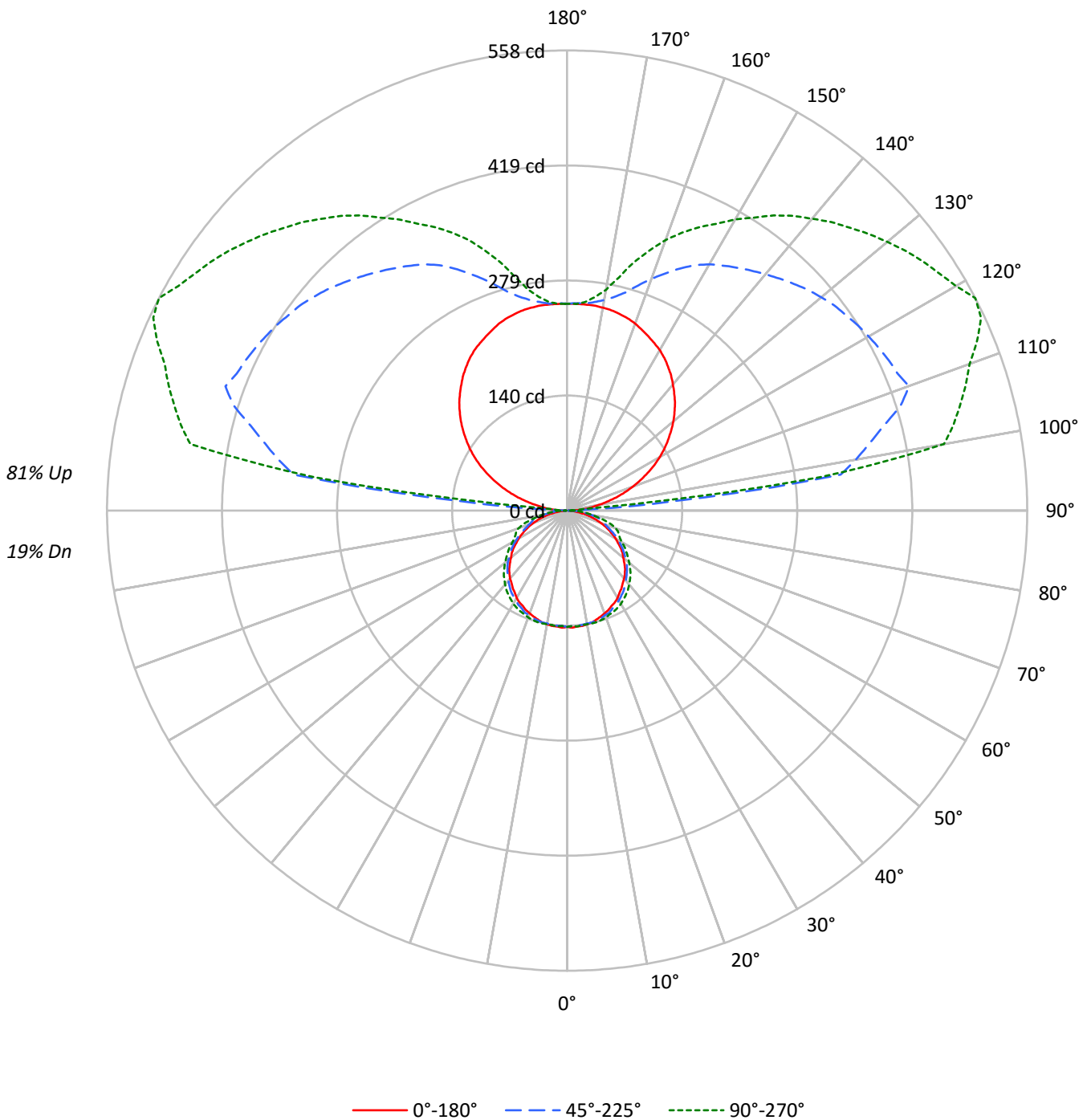
Input Watts (W): 16.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10	0
RW	70	50	30	10	70	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°	1139	1139	1139
5°	1143	1135	1143
10°	1148	1139	1148
15°	1144	1153	1170
20°	1140	1158	1185
25°	1136	1163	1201
30°	1140	1169	1217
35°	1132	1174	1226
40°	1134	1168	1233
45°	1134	1169	1241
50°	1115	1168	1233
55°	1118	1163	1236
60°	1096	1148	1232
65°	1058	1138	1318
70°	1010	1159	1480
75°	945	1335	1500
80°	776	1311	1455
85°	676	1454	1649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.5
10°-20°	39.1	1.6
20°-30°	60.5	2.5
30°-40°	74.7	3.1
40°-50°	79.6	3.3
50°-60°	74.3	3.0
60°-70°	60.8	2.5
70°-80°	41.8	1.7
80°-90°	16.3	0.7
90°-100°	145.7	6.0
100°-110°	369.1	15.1
110°-120°	382.6	15.6
120°-130°	341.1	13.9
130°-140°	283.8	11.6
140°-150°	216.0	8.8
150°-160°	145.5	5.9
160°-170°	79.1	3.2
170°-180°	24.3	1.0
0°-30°	113.0	4.6
0°-40°	187.7	7.7
0°-60°	341.6	14.0
0°-90°	460.6	18.8
90°-120°	897.5	36.7
90°-150°	1738.5	71.0
90°-180°	1987.0	81.2
0°-180°	2447.9	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°	128	128	131	134	135	59
35°	115	116	119	123	124	72
45°	99	100	102	107	109	76
55°	79	80	83	86	88	71
65°	55	58	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	128	20	20	20
105°	62	255	397	469	493	65
115°	108	263	430	535	554	106
125°	149	270	413	501	527	134
135°	185	278	389	465	485	143
145°	213	273	360	418	437	133
155°	233	259	324	366	379	108
165°	247	253	274	301	311	70
175°	251	251	252	254	254	24
180°	251	251	251	251	251	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	141.1	141.1	141.1	141.1	141.1
2.5°	142.1	142.1	140.0	141.1	140.0
5°	141.1	141.1	140.0	141.1	141.1
7.5°	141.1	141.1	140.0	141.1	140.0
10°	140.0	140.0	139.0	140.0	140.0
12.5°	139.0	139.0	139.0	140.0	140.0
15°	136.9	137.9	137.9	139.0	140.0
17.5°	134.8	135.8	136.9	137.9	139.0
20°	132.7	133.8	134.8	136.9	137.9
22.5°	130.6	131.7	133.8	135.8	135.8
25°	127.5	128.5	130.6	133.8	134.8
27.5°	125.4	126.4	128.5	131.7	132.7
30°	122.3	123.3	125.4	129.6	130.6
32.5°	118.1	120.2	122.3	126.4	127.5
35°	114.9	116.0	119.1	123.3	124.4
37.5°	110.8	111.8	114.9	119.1	121.2
40°	107.6	108.7	110.8	114.9	117.0
42.5°	103.5	104.5	106.6	110.8	112.9
45°	99.3	100.3	102.4	106.6	108.7
47.5°	94.0	96.1	98.2	101.4	103.5
50°	88.8	90.9	93.0	97.2	98.2
52.5°	84.6	85.7	87.8	90.9	93.0
55°	79.4	80.5	82.6	85.7	87.8
57.5°	73.1	75.2	77.3	80.5	82.6
60°	67.9	70.0	71.1	75.2	76.3
62.5°	61.7	63.7	65.8	69.0	72.1
65°	55.4	57.5	59.6	65.8	69.0
67.5°	50.2	51.2	53.3	61.7	66.9
70°	42.8	44.9	49.1	59.6	62.7
72.5°	36.6	38.7	44.9	54.3	56.4
75°	30.3	32.4	42.8	47.0	48.1
77.5°	24.0	26.1	36.6	38.7	38.7
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	15.7	17.8	17.8
87.5°	4.2	8.4	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	160.9	127.5	19.9	19.9
97.5°	29.3	195.4	334.4	413.8	309.3
100°	38.7	232.0	355.3	438.9	464.0
102.5°	49.1	248.7	375.2	452.5	479.7
105°	61.7	255.0	397.1	469.2	493.2
107.5°	73.1	258.1	424.3	483.8	506.8
110°	84.6	260.2	441.0	500.6	519.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	96.1	261.2	433.7	522.5	538.2
115°	107.6	263.3	430.5	535.0	553.8
117.5°	119.1	264.4	426.4	522.5	558.0
120°	129.6	266.5	422.2	515.2	544.4
122.5°	140.0	267.5	418.0	507.9	535.0
125°	149.4	269.6	412.8	500.6	526.7
127.5°	158.8	271.7	408.6	492.2	517.3
130°	168.2	274.8	402.3	483.8	506.8
132.5°	176.6	276.9	396.1	474.4	496.4
135°	185.0	278.0	388.7	465.0	484.9
137.5°	192.3	278.0	381.4	454.6	474.4
140°	199.6	276.9	374.1	443.1	461.9
142.5°	206.9	275.9	366.8	430.5	450.4
145°	213.2	272.7	359.5	418.0	436.8
147.5°	219.4	269.6	352.2	404.4	421.1
150°	224.7	265.4	344.8	389.8	407.5
152.5°	228.9	262.3	335.4	377.2	391.9
155°	233.0	259.2	323.9	365.7	379.3
157.5°	237.2	257.1	311.4	352.2	364.7
160°	241.4	256.0	298.9	336.5	349.0
162.5°	244.5	253.9	286.3	318.7	330.2
165°	246.6	252.9	273.8	301.0	311.4
167.5°	248.7	251.8	265.4	281.1	289.5
170°	249.8	250.8	259.2	267.5	271.7
172.5°	250.8	250.8	255.0	259.2	261.2
175°	250.8	250.8	251.8	253.9	253.9
177.5°	250.8	251.8	251.8	251.8	250.8
180°	250.8	250.8	250.8	250.8	250.8

(END OF REPORT)