

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: P275169

Luminaire Tested: **J3-UL-20L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275169
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 (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: 2288.7 lumens
Efficiency: N/A
Efficacy: 140.4 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

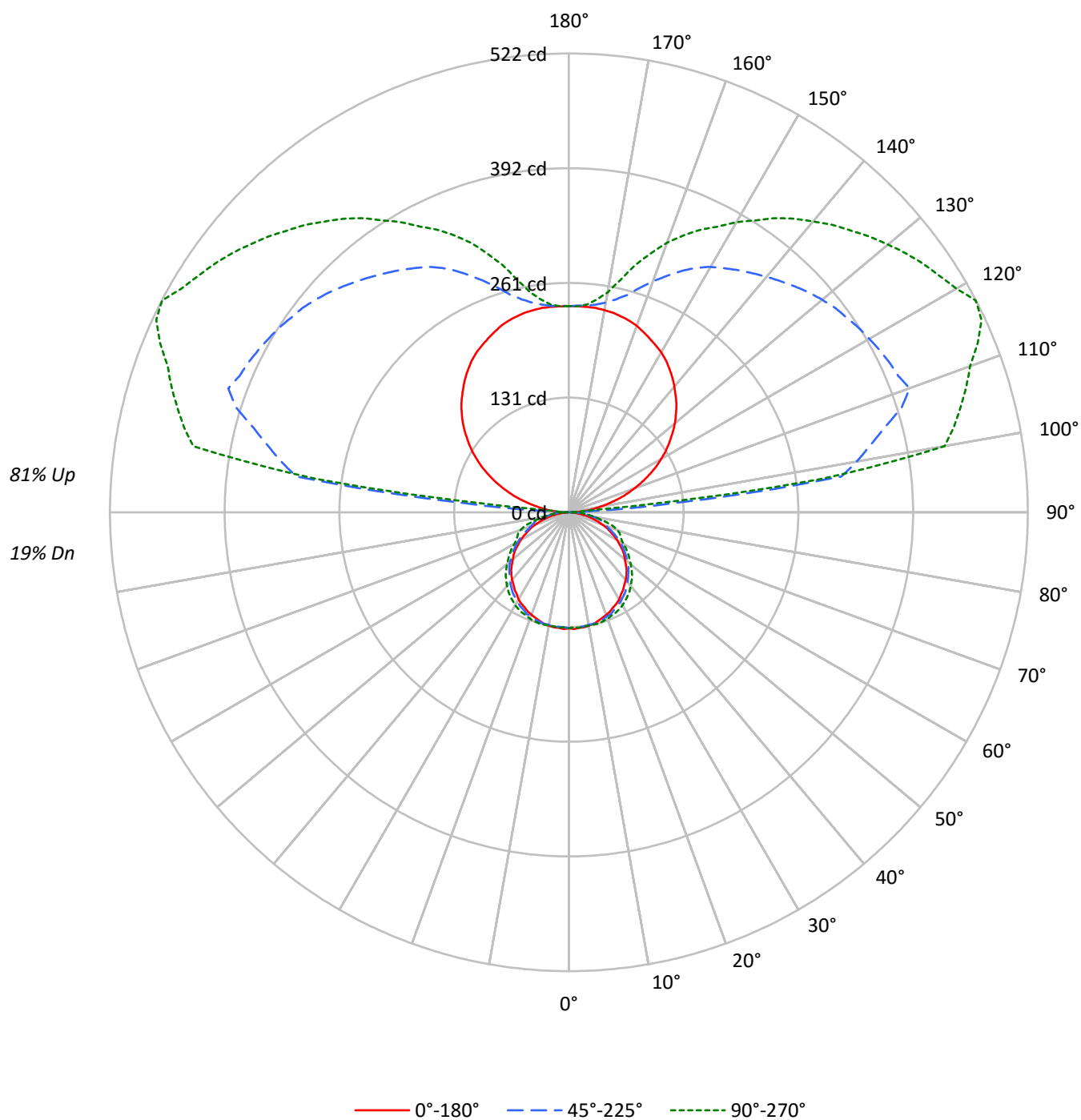
Input Watts (W): 16.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10
7	53	41	33	28	46	36	30	25	28	23	20	19	16	14	12	10	9
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1065	1065	1065
5°	1069	1061	1069
10°	1073	1065	1073
15°	1070	1078	1094
20°	1066	1082	1108
25°	1062	1088	1122
30°	1065	1093	1138
35°	1059	1098	1146
40°	1060	1092	1153
45°	1059	1093	1160
50°	1042	1093	1153
55°	1046	1087	1156
60°	1025	1072	1151
65°	989	1064	1232
70°	947	1083	1383
75°	883	1251	1400
80°	725	1227	1362
85°	630	1362	1538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.5
10°-20°	36.5	1.6
20°-30°	56.6	2.5
30°-40°	69.8	3.1
40°-50°	74.4	3.3
50°-60°	69.4	3.0
60°-70°	56.9	2.5
70°-80°	39.1	1.7
80°-90°	15.2	0.7
90°-100°	136.3	6.0
100°-110°	345.1	15.1
110°-120°	357.7	15.6
120°-130°	318.9	13.9
130°-140°	265.4	11.6
140°-150°	202.0	8.8
150°-160°	136.0	5.9
160°-170°	73.9	3.2
170°-180°	22.7	1.0
0°-30°	105.7	4.6
0°-40°	175.5	7.7
0°-60°	319.4	14.0
0°-90°	430.6	18.8
90°-120°	839.1	36.7
90°-150°	1625.4	71.0
90°-180°	1858.0	81.2
0°-180°	2288.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	132	132	132	132	132	
5°	132	132	131	132	132	13
15°	128	129	129	130	131	36
25°	119	120	122	125	126	55
35°	108	108	111	115	116	67
45°	93	94	96	100	102	71
55°	74	75	77	80	82	66
65°	52	54	56	62	64	51
75°	28	30	40	44	45	30
85°	7	12	15	17	17	7
90°	1	1	1	1	1	2
95°	20	150	119	19	19	19
105°	58	238	371	439	461	61
115°	101	246	402	500	518	99
125°	140	252	386	468	492	125
135°	173	260	363	435	453	133
145°	199	255	336	391	408	125
155°	218	242	303	342	355	101
165°	231	236	256	281	291	65
175°	234	234	236	237	237	22
180°	234	234	234	234	234	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	131.9	131.9	131.9	131.9	131.9
2.5°	132.9	132.9	130.9	131.9	130.9
5°	131.9	131.9	130.9	131.9	131.9
7.5°	131.9	131.9	130.9	131.9	130.9
10°	130.9	130.9	129.9	130.9	130.9
12.5°	129.9	129.9	129.9	130.9	130.9
15°	128.0	129.0	129.0	129.9	130.9
17.5°	126.0	127.0	128.0	129.0	129.9
20°	124.1	125.1	126.0	128.0	129.0
22.5°	122.1	123.1	125.1	127.0	127.0
25°	119.2	120.2	122.1	125.1	126.0
27.5°	117.2	118.2	120.2	123.1	124.1
30°	114.3	115.3	117.2	121.1	122.1
32.5°	110.4	112.4	114.3	118.2	119.2
35°	107.5	108.4	111.4	115.3	116.3
37.5°	103.6	104.5	107.5	111.4	113.3
40°	100.6	101.6	103.6	107.5	109.4
42.5°	96.7	97.7	99.7	103.6	105.5
45°	92.8	93.8	95.7	99.7	101.6
47.5°	87.9	89.9	91.8	94.8	96.7
50°	83.0	85.0	87.0	90.9	91.8
52.5°	79.1	80.1	82.1	85.0	87.0
55°	74.3	75.2	77.2	80.1	82.1
57.5°	68.4	70.3	72.3	75.2	77.2
60°	63.5	65.5	66.4	70.3	71.3
62.5°	57.6	59.6	61.6	64.5	67.4
65°	51.8	53.7	55.7	61.6	64.5
67.5°	46.9	47.9	49.8	57.6	62.5
70°	40.1	42.0	45.9	55.7	58.6
72.5°	34.2	36.1	42.0	50.8	52.8
75°	28.3	30.3	40.1	44.0	44.9
77.5°	22.5	24.4	34.2	36.1	36.1
80°	15.6	20.5	26.4	29.3	29.3
82.5°	10.7	17.6	20.5	22.5	22.5
85°	6.8	11.7	14.7	16.6	16.6
87.5°	3.9	7.8	11.7	12.7	12.7
90°	1.0	1.0	1.0	1.0	1.0
92.5°	10.7	31.3	8.8	8.8	8.8
95°	19.5	150.5	119.2	18.6	18.6
97.5°	27.4	182.7	312.6	386.9	289.2
100°	36.1	216.9	332.2	410.3	433.8
102.5°	45.9	232.5	350.7	423.0	448.4
105°	57.6	238.4	371.3	438.7	461.1
107.5°	68.4	241.3	396.7	452.4	473.8
110°	79.1	243.3	412.3	468.0	485.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	89.9	244.2	405.5	488.5	503.2
115°	100.6	246.2	402.5	500.2	517.8
117.5°	111.4	247.2	398.6	488.5	521.7
120°	121.1	249.1	394.7	481.7	509.0
122.5°	130.9	250.1	390.8	474.8	500.2
125°	139.7	252.1	385.9	468.0	492.4
127.5°	148.5	254.0	382.0	460.2	483.6
130°	157.3	257.0	376.1	452.4	473.8
132.5°	165.1	258.9	370.3	443.6	464.1
135°	172.9	259.9	363.4	434.8	453.3
137.5°	179.8	259.9	356.6	425.0	443.6
140°	186.6	258.9	349.8	414.2	431.8
142.5°	193.4	257.9	342.9	402.5	421.1
145°	199.3	255.0	336.1	390.8	408.4
147.5°	205.2	252.1	329.2	378.1	393.7
150°	210.1	248.2	322.4	364.4	381.0
152.5°	214.0	245.2	313.6	352.7	366.4
155°	217.9	242.3	302.9	341.9	354.7
157.5°	221.8	240.3	291.1	329.2	341.0
160°	225.7	239.4	279.4	314.6	326.3
162.5°	228.6	237.4	267.7	298.0	308.7
165°	230.6	236.4	256.0	281.4	291.1
167.5°	232.5	235.5	248.2	262.8	270.6
170°	233.5	234.5	242.3	250.1	254.0
172.5°	234.5	234.5	238.4	242.3	244.2
175°	234.5	234.5	235.5	237.4	237.4
177.5°	234.5	235.5	235.5	235.5	234.5
180°	234.5	234.5	234.5	234.5	234.5

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