

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: P275209

Luminaire Tested: **J3-UL-40L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L92765-1D-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, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3435.0 lumens
Efficiency: N/A
Efficacy: 122.7 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

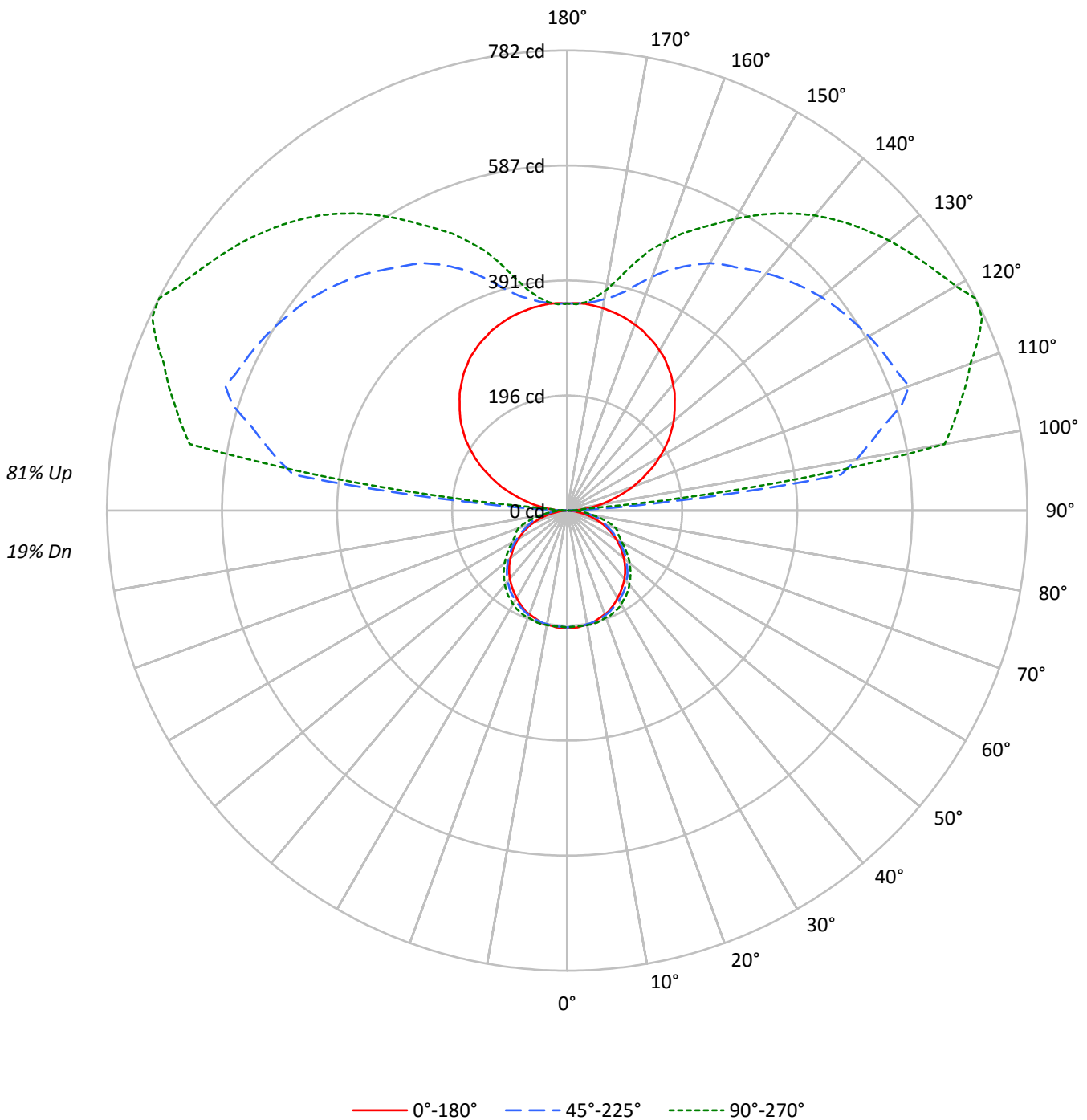
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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°	1603	1603	1603
5°	1616	1602	1602
10°	1614	1607	1621
15°	1610	1617	1646
20°	1611	1625	1662
25°	1609	1632	1692
30°	1596	1643	1715
35°	1595	1654	1730
40°	1597	1650	1733
45°	1593	1652	1740
50°	1580	1645	1742
55°	1567	1638	1735
60°	1548	1618	1742
65°	1505	1603	1832
70°	1454	1617	2082
75°	1335	1843	2109
80°	1153	1869	2032
85°	871	2066	2297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	0.5
10°-20°	54.9	1.6
20°-30°	85.1	2.5
30°-40°	105.2	3.1
40°-50°	112.2	3.3
50°-60°	104.6	3.0
60°-70°	85.4	2.5
70°-80°	58.7	1.7
80°-90°	23.0	0.7
90°-100°	200.0	5.8
100°-110°	518.4	15.1
110°-120°	537.8	15.7
120°-130°	478.7	13.9
130°-140°	398.8	11.6
140°-150°	303.7	8.8
150°-160°	204.6	6.0
160°-170°	111.0	3.2
170°-180°	34.2	1.0
0°-30°	158.9	4.6
0°-40°	264.1	7.7
0°-60°	480.8	14.0
0°-90°	647.9	18.9
90°-120°	1256.2	36.6
90°-150°	2437.3	71.0
90°-180°	2787.0	81.1
0°-180°	3435.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	199	199	199	199	199	
5°	199	199	198	198	198	19
15°	193	194	194	196	197	54
25°	181	181	183	188	190	83
35°	162	164	168	173	176	101
45°	140	141	145	150	152	107
55°	111	114	116	120	123	99
65°	79	80	84	92	96	78
75°	43	45	59	66	68	45
85°	9	18	22	26	25	11
90°	2	2	2	2	2	4
95°	29	226	174	28	27	29
105°	85	359	556	659	690	91
115°	150	371	604	753	778	149
125°	211	379	579	702	738	188
135°	258	390	546	653	686	200
145°	299	383	504	587	616	187
155°	326	366	456	514	529	151
165°	344	355	386	422	433	97
175°	353	354	354	356	355	34
180°	352	352	352	352	352	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	198.6	198.6	198.6	198.6	198.6
2.5°	199.4	199.4	197.7	197.7	197.7
5°	199.4	199.4	197.7	197.7	197.7
7.5°	197.7	198.6	197.7	197.7	197.7
10°	196.9	196.9	196.0	196.9	197.7
12.5°	196.0	196.0	195.2	196.9	197.7
15°	192.6	193.5	193.5	196.0	196.9
17.5°	190.0	190.9	191.7	194.3	195.2
20°	187.5	187.5	189.2	192.6	193.5
22.5°	184.9	184.9	186.6	190.9	192.6
25°	180.6	180.6	183.2	188.3	190.0
27.5°	176.3	177.2	179.8	184.9	187.5
30°	171.2	172.9	176.3	181.5	184.0
32.5°	166.9	168.6	172.1	177.2	178.9
35°	161.8	163.5	167.8	172.9	175.5
37.5°	156.6	158.4	162.6	167.8	170.3
40°	151.5	153.2	156.6	162.6	164.4
42.5°	145.5	147.2	151.5	156.6	158.4
45°	139.5	141.2	144.7	149.8	152.4
47.5°	132.7	135.2	137.8	143.0	145.5
50°	125.8	128.4	131.0	136.1	138.7
52.5°	118.1	121.6	124.1	128.4	131.0
55°	111.3	113.8	116.4	119.8	123.3
57.5°	103.6	106.1	108.7	113.0	115.6
60°	95.9	97.6	100.2	104.4	107.9
62.5°	87.3	89.9	91.6	96.7	101.9
65°	78.8	80.5	83.9	91.6	95.9
67.5°	70.2	71.9	75.3	86.5	93.3
70°	61.6	63.3	68.5	83.9	88.2
72.5°	51.4	53.9	62.5	77.0	78.8
75°	42.8	45.4	59.1	65.9	67.6
77.5°	33.4	36.8	50.5	54.8	55.6
80°	24.8	30.8	40.2	43.7	43.7
82.5°	16.3	25.7	30.8	34.2	34.2
85°	9.4	18.0	22.3	25.7	24.8
87.5°	6.0	12.0	17.1	19.7	18.8
90°	1.7	1.7	1.7	1.7	1.7
92.5°	16.3	45.4	13.7	12.8	12.8
95°	29.1	226.0	173.8	28.2	27.4
97.5°	41.1	275.6	469.1	553.8	359.5
100°	55.6	327.8	499.0	617.2	651.4
102.5°	69.3	350.1	526.4	634.3	671.1
105°	84.7	358.7	556.4	659.1	689.9
107.5°	101.9	363.8	595.8	679.7	710.5
110°	119.0	366.4	618.0	707.1	729.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	134.4	368.1	609.5	735.3	755.8
115°	149.8	370.6	603.5	753.3	778.1
117.5°	166.9	372.4	598.3	736.2	781.5
120°	181.5	374.9	592.4	724.2	762.7
122.5°	196.0	377.5	585.5	713.0	749.9
125°	210.6	379.2	578.7	701.9	737.9
127.5°	223.4	380.9	571.8	689.9	725.9
130°	236.3	386.1	564.1	678.8	713.9
132.5°	247.4	389.5	555.5	665.1	700.2
135°	258.5	389.5	546.1	653.1	686.5
137.5°	270.5	389.5	536.7	637.7	671.1
140°	279.9	387.8	526.4	622.3	654.8
142.5°	290.2	386.1	515.3	606.0	636.0
145°	298.7	382.6	504.2	587.2	616.3
147.5°	307.3	378.4	495.6	568.4	594.9
150°	314.2	374.1	485.4	549.6	572.7
152.5°	321.0	368.9	471.7	531.6	549.6
155°	326.1	365.5	456.2	514.5	529.0
157.5°	332.1	362.9	440.8	494.8	509.3
160°	336.4	359.5	422.9	472.5	485.4
162.5°	340.7	357.0	404.0	448.5	462.2
165°	344.1	355.2	386.1	422.0	433.1
167.5°	346.7	354.4	373.2	395.5	403.2
170°	349.2	353.5	364.7	377.5	380.1
172.5°	351.0	353.5	357.8	363.8	364.7
175°	352.7	354.4	354.4	356.1	355.2
177.5°	352.7	353.5	351.8	352.7	351.0
180°	351.8	351.8	351.8	351.8	351.8

(END OF REPORT)