

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: P253536

Luminaire Tested: **J3-FL-20L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-20L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1907.8 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

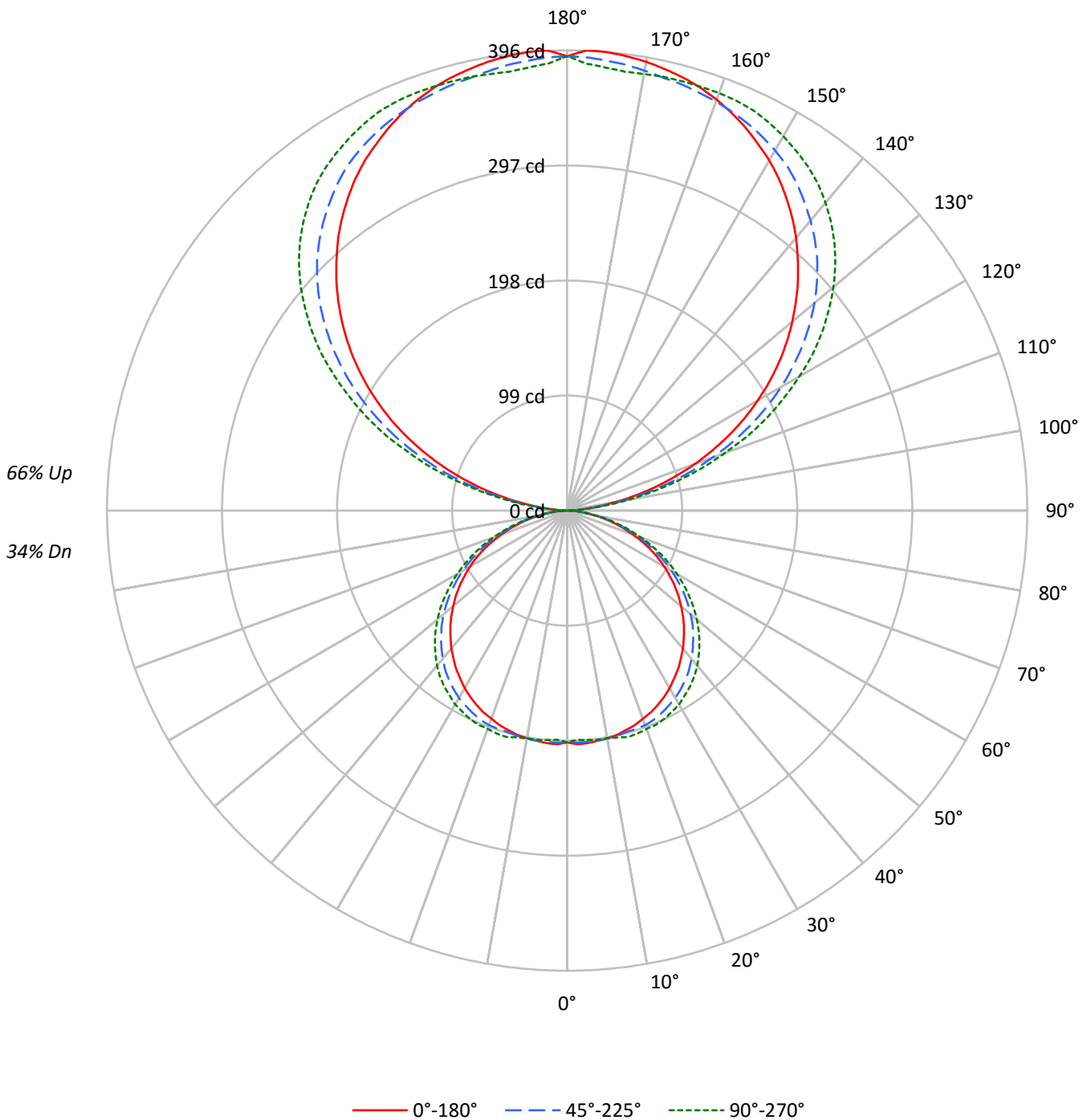
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1611	1611	1611
5°	1627	1620	1606
10°	1631	1631	1631
15°	1635	1650	1686
20°	1637	1688	1717
25°	1644	1713	1762
30°	1644	1736	1796
35°	1641	1750	1819
40°	1633	1755	1836
45°	1623	1750	1838
50°	1608	1742	1829
55°	1590	1719	1802
60°	1561	1673	1763
65°	1513	1610	1702
70°	1426	1518	1596
75°	1310	1388	1457
80°	1134	1213	1255
85°	908	945	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	1.0
10°-20°	56.0	2.9
20°-30°	88.2	4.6
30°-40°	110.1	5.8
40°-50°	117.4	6.2
50°-60°	108.3	5.7
60°-70°	83.2	4.4
70°-80°	47.1	2.5
80°-90°	12.4	0.7
90°-100°	20.0	1.0
100°-110°	94.1	4.9
110°-120°	170.6	8.9
120°-130°	219.1	11.5
130°-140°	233.1	12.2
140°-150°	214.5	11.2
150°-160°	169.9	8.9
160°-170°	107.8	5.7
170°-180°	37.0	1.9
0°-30°	163.2	8.6
0°-40°	273.3	14.3
0°-60°	499.0	26.2
0°-90°	641.7	33.6
90°-120°	284.7	14.9
90°-150°	951.5	49.9
90°-180°	1266.0	66.4
0°-180°	1907.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	200	200	200	200	200	
5°	201	199	200	200	198	19
15°	196	195	197	201	202	55
25°	185	185	192	196	198	85
35°	166	170	178	182	185	104
45°	142	146	153	158	161	110
55°	113	116	122	126	128	101
65°	79	81	84	87	89	78
75°	42	43	44	46	47	45
85°	10	10	10	11	11	11
90°	0	0	0	0	0	1
95°	13	14	15	16	17	17
105°	79	82	90	96	98	83
115°	154	161	174	185	190	152
125°	223	230	247	261	268	199
135°	281	285	304	318	325	217
145°	329	328	344	355	361	206
155°	364	358	368	375	380	168
165°	386	380	380	381	382	109
175°	396	391	389	386	383	38
180°	391	391	391	391	391	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	199.5	199.5	199.5	199.5	199.5
2.5°	201.2	199.5	199.9	199.9	197.4
5°	200.8	199.0	199.9	199.5	198.2
7.5°	199.9	198.6	199.9	199.9	199.0
10°	199.0	197.8	199.0	199.5	199.0
12.5°	197.8	196.5	198.6	199.5	199.9
15°	195.6	194.8	197.4	200.8	201.7
17.5°	193.5	193.1	197.0	200.8	201.2
20°	190.5	190.5	196.5	199.5	199.9
22.5°	188.0	188.0	194.8	197.8	199.5
25°	184.6	184.9	192.3	196.1	197.8
27.5°	180.7	182.0	189.2	193.5	195.2
30°	176.4	178.5	186.2	190.5	192.7
32.5°	171.3	174.2	182.0	186.2	188.4
35°	166.5	169.6	177.6	182.0	184.6
37.5°	160.6	164.4	172.5	176.8	179.8
40°	155.0	158.9	166.5	171.3	174.2
42.5°	148.5	152.8	160.1	164.8	167.8
45°	142.2	146.0	153.3	158.0	161.0
47.5°	135.3	139.2	146.5	150.8	153.6
50°	128.0	132.3	138.7	143.0	145.6
52.5°	120.7	124.6	130.6	134.9	137.4
55°	113.0	116.4	122.1	125.9	128.0
57.5°	104.8	108.3	113.0	116.9	119.0
60°	96.7	99.3	103.6	107.4	109.2
62.5°	88.2	90.4	94.2	97.2	99.3
65°	79.2	80.9	84.3	87.3	89.1
67.5°	69.8	71.5	74.5	77.1	78.3
70°	60.4	62.1	64.3	66.3	67.6
72.5°	51.3	52.2	54.4	56.1	57.0
75°	42.0	42.8	44.5	46.2	46.7
77.5°	33.4	33.8	35.2	36.0	36.4
80°	24.4	25.3	26.1	26.5	27.0
82.5°	16.7	17.1	17.5	18.0	18.3
85°	9.8	10.2	10.2	10.7	10.7
87.5°	4.3	4.7	4.7	4.7	4.7
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.3	4.3	4.7	5.1	5.6
95°	13.2	13.7	15.0	15.8	16.7
97.5°	26.5	27.4	29.9	32.1	33.0
100°	42.8	44.5	48.4	51.3	52.7
102.5°	60.4	62.9	68.5	72.8	74.9
105°	78.8	82.2	89.9	95.5	98.1
107.5°	97.6	101.9	111.8	118.2	121.6
110°	116.4	122.1	132.7	141.2	143.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	135.3	141.2	154.1	163.5	168.3
115°	154.1	160.6	174.2	184.9	190.1
117.5°	172.1	178.9	193.9	206.0	210.6
120°	189.2	196.5	212.8	225.2	230.8
122.5°	206.3	213.3	230.3	243.6	250.5
125°	222.6	229.5	247.1	260.7	268.0
127.5°	238.1	244.4	262.9	277.0	283.8
130°	253.0	259.0	277.8	291.6	299.3
132.5°	267.2	272.7	291.6	304.9	313.0
135°	280.9	285.1	304.4	317.7	325.4
137.5°	293.7	296.7	315.6	328.8	336.2
140°	306.5	307.4	325.8	338.2	345.9
142.5°	318.1	317.7	335.2	347.2	354.5
145°	328.8	327.5	344.2	354.9	361.4
147.5°	339.0	336.2	351.9	361.0	366.9
150°	348.0	344.2	357.9	366.9	372.0
152.5°	355.7	351.5	363.0	371.2	376.3
155°	363.5	358.4	367.7	375.4	379.8
157.5°	370.3	363.9	371.2	378.0	381.5
160°	376.3	370.0	374.6	379.8	382.4
162.5°	381.5	375.1	377.2	380.2	382.4
165°	385.8	379.8	379.8	381.0	382.4
167.5°	389.1	384.0	381.5	381.9	382.4
170°	392.2	387.0	384.4	381.9	381.5
172.5°	394.3	389.1	387.0	383.6	381.0
175°	396.0	391.4	388.7	385.8	382.7
177.5°	396.5	392.6	390.4	387.5	384.9
180°	390.9	390.9	390.9	390.9	390.9

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