

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: P253531

Luminaire Tested: **J3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253531
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-30L93050-1D-UNV-W2A-W-4 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2247.2 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

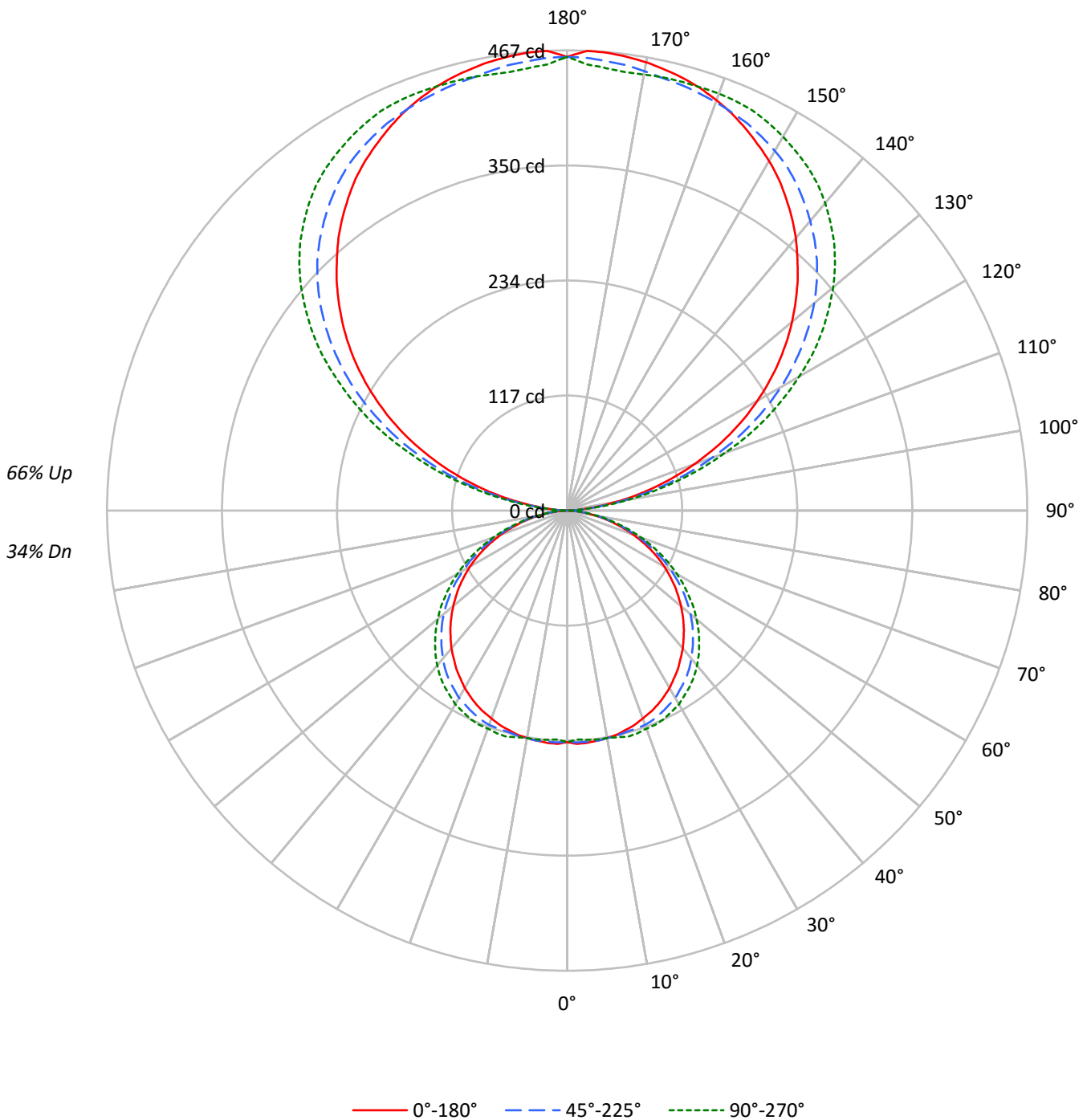
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1897	1897	1897
5°	1917	1908	1891
10°	1921	1921	1921
15°	1926	1943	1986
20°	1928	1989	2023
25°	1936	2017	2075
30°	1937	2045	2116
35°	1933	2062	2143
40°	1924	2067	2162
45°	1911	2061	2165
50°	1894	2052	2154
55°	1873	2024	2122
60°	1839	1971	2076
65°	1782	1897	2004
70°	1678	1787	1879
75°	1541	1638	1716
80°	1339	1432	1478
85°	1074	1112	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	1.0
10°-20°	65.9	2.9
20°-30°	103.8	4.6
30°-40°	129.7	5.8
40°-50°	138.3	6.2
50°-60°	127.5	5.7
60°-70°	97.9	4.4
70°-80°	55.5	2.5
80°-90°	14.6	0.7
90°-100°	23.5	1.0
100°-110°	110.9	4.9
110°-120°	200.9	8.9
120°-130°	258.1	11.5
130°-140°	274.6	12.2
140°-150°	252.7	11.2
150°-160°	200.1	8.9
160°-170°	127.0	5.7
170°-180°	43.6	1.9
0°-30°	192.2	8.6
0°-40°	321.9	14.3
0°-60°	587.7	26.2
0°-90°	755.8	33.6
90°-120°	335.4	14.9
90°-150°	1120.8	49.9
90°-180°	1491.0	66.3
0°-180°	2247.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	235	235	235	235	235	
5°	236	234	236	235	233	22
15°	230	229	232	236	238	65
25°	217	218	226	231	233	100
35°	196	200	209	214	217	123
45°	167	172	180	186	190	129
55°	133	137	144	148	151	119
65°	93	95	99	103	105	92
75°	49	50	52	54	55	53
85°	12	12	12	13	13	13
90°	0	0	0	0	0	2
95°	16	16	18	19	20	20
105°	93	97	106	112	116	98
115°	182	189	205	218	224	179
125°	262	270	291	307	316	234
135°	331	336	359	374	383	255
145°	387	386	406	418	426	242
155°	428	422	433	442	447	197
165°	454	447	447	449	450	128
175°	466	461	458	454	451	44
180°	460	460	460	460	460	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	235.0	235.0	235.0	235.0	235.0
2.5°	237.0	235.0	235.5	235.5	232.5
5°	236.5	234.4	235.5	235.0	233.4
7.5°	235.5	234.0	235.5	235.5	234.4
10°	234.4	233.0	234.4	235.0	234.4
12.5°	233.0	231.5	234.0	235.0	235.5
15°	230.4	229.4	232.5	236.5	237.6
17.5°	228.0	227.4	232.0	236.5	237.0
20°	224.4	224.4	231.5	235.0	235.5
22.5°	221.4	221.4	229.4	233.0	235.0
25°	217.4	217.8	226.4	231.0	233.0
27.5°	212.8	214.3	222.9	228.0	229.9
30°	207.8	210.3	219.4	224.4	227.0
32.5°	201.8	205.2	214.3	219.4	221.9
35°	196.1	199.7	209.2	214.3	217.4
37.5°	189.1	193.6	203.2	208.2	211.8
40°	182.6	187.2	196.1	201.8	205.2
42.5°	175.0	180.0	188.6	194.2	197.7
45°	167.4	171.9	180.5	186.1	189.6
47.5°	159.4	163.9	172.5	177.6	181.0
50°	150.8	155.8	163.4	168.4	171.5
52.5°	142.1	146.7	153.8	158.9	161.9
55°	133.1	137.1	143.8	148.3	150.8
57.5°	123.5	127.5	133.1	137.7	140.2
60°	113.9	116.9	122.1	126.5	128.6
62.5°	103.9	106.5	110.9	114.5	116.9
65°	93.3	95.3	99.3	102.9	104.9
67.5°	82.2	84.2	87.7	90.8	92.3
70°	71.1	73.1	75.7	78.1	79.6
72.5°	60.4	61.5	64.0	66.1	67.1
75°	49.4	50.4	52.5	54.4	55.0
77.5°	39.4	39.8	41.4	42.4	42.9
80°	28.8	29.8	30.8	31.2	31.8
82.5°	19.6	20.2	20.6	21.2	21.6
85°	11.6	12.0	12.0	12.6	12.6
87.5°	5.0	5.6	5.6	5.6	5.6
90°	0.5	0.5	0.5	0.0	0.0
92.5°	5.0	5.0	5.6	6.0	6.5
95°	15.6	16.1	17.7	18.7	19.6
97.5°	31.2	32.3	35.2	37.8	38.8
100°	50.4	52.5	57.0	60.4	62.1
102.5°	71.1	74.1	80.7	85.7	88.2
105°	92.8	96.9	105.9	112.5	115.5
107.5°	115.0	120.1	131.7	139.2	143.2
110°	137.1	143.8	156.3	166.4	169.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	159.4	166.4	181.5	192.6	198.2
115°	181.5	189.1	205.2	217.8	223.9
117.5°	202.8	210.8	228.4	242.6	248.1
120°	222.9	231.5	250.7	265.3	271.8
122.5°	243.0	251.2	271.3	286.9	295.1
125°	262.2	270.3	291.0	307.1	315.7
127.5°	280.4	287.9	309.7	326.3	334.3
130°	298.0	305.1	327.3	343.5	352.5
132.5°	314.7	321.2	343.5	359.1	368.7
135°	330.8	335.9	358.6	374.2	383.3
137.5°	345.9	349.5	371.7	387.3	395.9
140°	361.1	362.1	383.8	398.4	407.4
142.5°	374.7	374.2	394.9	409.0	417.6
145°	387.3	385.8	405.5	418.0	425.6
147.5°	399.4	395.9	414.5	425.2	432.2
150°	409.9	405.5	421.6	432.2	438.2
152.5°	419.0	414.0	427.6	437.2	443.2
155°	428.1	422.1	433.2	442.2	447.3
157.5°	436.2	428.6	437.2	445.3	449.4
160°	443.2	435.8	441.2	447.3	450.4
162.5°	449.4	441.8	444.3	447.8	450.4
165°	454.4	447.3	447.3	448.8	450.4
167.5°	458.4	452.4	449.4	449.8	450.4
170°	462.0	455.9	452.8	449.8	449.4
172.5°	464.5	458.4	455.9	451.8	448.8
175°	466.4	461.0	457.8	454.4	450.8
177.5°	467.0	462.4	459.9	456.4	453.3
180°	460.4	460.4	460.4	460.4	460.4

(END OF REPORT)