

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: P253537

Luminaire Tested: **J3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253537
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 (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: 2453.4 lumens
Efficiency: N/A
Efficacy: 116.3 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

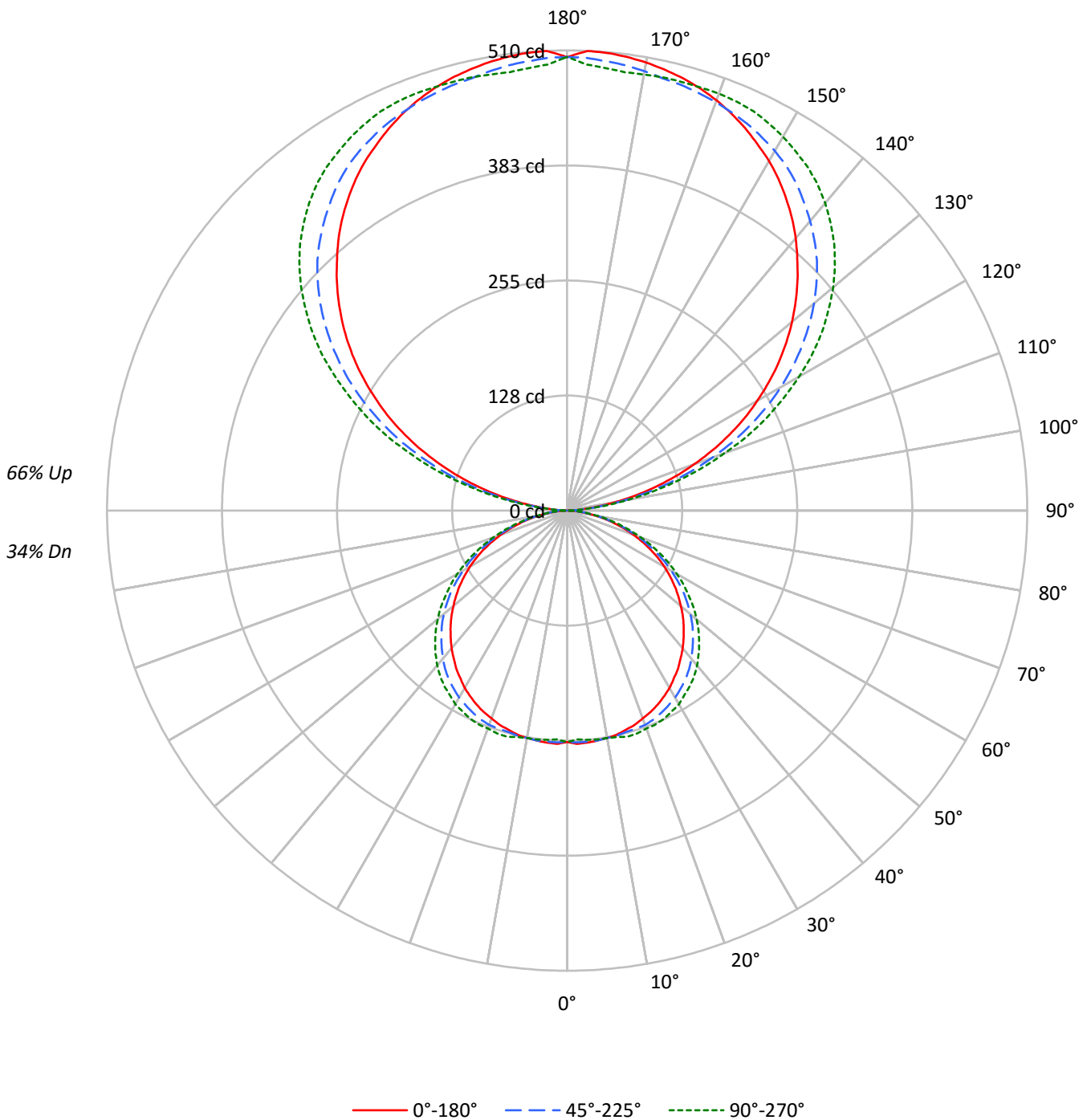
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2071	2071	2071
5°	2092	2083	2066
10°	2098	2098	2098
15°	2102	2121	2168
20°	2105	2171	2209
25°	2114	2202	2266
30°	2115	2233	2310
35°	2110	2251	2339
40°	2100	2256	2361
45°	2087	2250	2363
50°	2067	2241	2351
55°	2045	2210	2317
60°	2007	2152	2267
65°	1945	2071	2189
70°	1832	1950	2051
75°	1681	1787	1871
80°	1460	1562	1618
85°	1167	1213	1278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	1.0
10°-20°	72.0	2.9
20°-30°	113.4	4.6
30°-40°	141.6	5.8
40°-50°	151.0	6.2
50°-60°	139.2	5.7
60°-70°	106.9	4.4
70°-80°	60.6	2.5
80°-90°	16.0	0.7
90°-100°	25.7	1.0
100°-110°	121.0	4.9
110°-120°	219.4	8.9
120°-130°	281.8	11.5
130°-140°	299.8	12.2
140°-150°	275.9	11.2
150°-160°	218.4	8.9
160°-170°	138.7	5.7
170°-180°	47.6	1.9
0°-30°	209.8	8.6
0°-40°	351.5	14.3
0°-60°	641.7	26.2
0°-90°	825.1	33.6
90°-120°	366.2	14.9
90°-150°	1223.6	49.9
90°-180°	1628.0	66.4
0°-180°	2453.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	256	256	256	256	256	
5°	258	256	257	256	255	25
15°	252	250	254	258	259	71
25°	237	238	247	252	254	109
35°	214	218	228	234	237	134
45°	183	188	197	203	207	141
55°	145	150	157	162	165	130
65°	102	104	108	112	115	100
75°	54	55	57	59	60	57
85°	13	13	13	14	14	14
90°	1	1	1	0	0	2
95°	17	18	19	20	21	22
105°	101	106	116	123	126	107
115°	198	206	224	238	244	195
125°	286	295	318	335	345	255
135°	361	367	392	408	418	279
145°	423	421	443	456	465	265
155°	467	461	473	483	488	216
165°	496	488	488	490	492	140
175°	509	503	500	496	492	48
180°	503	503	503	503	503	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	256.5	256.5	256.5	256.5	256.5
2.5°	258.8	256.5	257.1	257.1	253.8
5°	258.2	255.9	257.1	256.5	254.9
7.5°	257.1	255.5	257.1	257.1	255.9
10°	255.9	254.4	255.9	256.5	255.9
12.5°	254.4	252.7	255.5	256.5	257.1
15°	251.5	250.5	253.8	258.2	259.4
17.5°	248.9	248.3	253.3	258.2	258.8
20°	245.0	245.0	252.7	256.5	257.1
22.5°	241.7	241.7	250.5	254.4	256.5
25°	237.3	237.8	247.2	252.2	254.4
27.5°	232.3	234.0	243.3	248.9	251.0
30°	226.9	229.6	239.5	245.0	247.8
32.5°	220.3	224.0	234.0	239.5	242.2
35°	214.1	218.1	228.4	234.0	237.3
37.5°	206.5	211.4	221.9	227.4	231.3
40°	199.3	204.3	214.1	220.3	224.0
42.5°	191.0	196.5	205.9	212.0	215.8
45°	182.8	187.7	197.1	203.2	207.0
47.5°	174.0	179.0	188.4	193.9	197.6
50°	164.6	170.1	178.4	183.9	187.2
52.5°	155.2	160.2	167.9	173.5	176.7
55°	145.3	149.7	157.0	161.9	164.6
57.5°	134.8	139.2	145.3	150.3	153.0
60°	124.3	127.7	133.3	138.2	140.4
62.5°	113.4	116.2	121.1	125.0	127.7
65°	101.8	104.1	108.4	112.3	114.6
67.5°	89.8	91.9	95.8	99.1	100.8
70°	77.6	79.8	82.6	85.3	86.9
72.5°	66.0	67.2	69.9	72.2	73.2
75°	53.9	55.0	57.3	59.4	60.0
77.5°	43.0	43.5	45.2	46.3	46.8
80°	31.4	32.5	33.6	34.1	34.8
82.5°	21.4	22.0	22.5	23.1	23.6
85°	12.6	13.1	13.1	13.8	13.8
87.5°	5.5	6.1	6.1	6.1	6.1
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.5	5.5	6.1	6.6	7.1
95°	17.0	17.6	19.3	20.4	21.4
97.5°	34.1	35.2	38.5	41.3	42.4
100°	55.0	57.3	62.3	66.0	67.8
102.5°	77.6	80.9	88.1	93.6	96.3
105°	101.3	105.7	115.6	122.8	126.1
107.5°	125.5	131.1	143.7	152.0	156.4
110°	149.7	157.0	170.7	181.6	185.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	174.0	181.6	198.2	210.3	216.4
115°	198.2	206.5	224.0	237.8	244.5
117.5°	221.4	230.1	249.4	264.9	270.8
120°	243.3	252.7	273.7	289.6	296.8
122.5°	265.3	274.3	296.2	313.2	322.1
125°	286.3	295.1	317.7	335.3	344.7
127.5°	306.2	314.3	338.1	356.2	365.0
130°	325.4	333.1	357.3	375.0	384.9
132.5°	343.6	350.7	375.0	392.0	402.5
135°	361.2	366.7	391.5	408.5	418.5
137.5°	377.6	381.6	405.8	422.9	432.3
140°	394.2	395.4	419.0	434.9	444.8
142.5°	409.1	408.5	431.1	446.5	455.9
145°	422.9	421.2	442.7	456.4	464.7
147.5°	436.0	432.3	452.6	464.2	471.8
150°	447.6	442.7	460.3	471.8	478.4
152.5°	457.4	452.0	466.8	477.3	483.9
155°	467.4	460.9	472.9	482.8	488.4
157.5°	476.2	467.9	477.3	486.1	490.6
160°	483.9	475.8	481.7	488.4	491.7
162.5°	490.6	482.3	485.1	488.9	491.7
165°	496.1	488.4	488.4	490.0	491.7
167.5°	500.4	493.9	490.6	491.1	491.7
170°	504.3	497.7	494.4	491.1	490.6
172.5°	507.1	500.4	497.7	493.3	490.0
175°	509.2	503.3	499.8	496.1	492.2
177.5°	509.8	504.8	502.1	498.3	494.9
180°	502.7	502.7	502.7	502.7	502.7

(END OF REPORT)