

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: P253543

Luminaire Tested: **J3-FL-30L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253543
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2652.0 lumens
Efficiency: N/A
Efficacy: 125.1 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

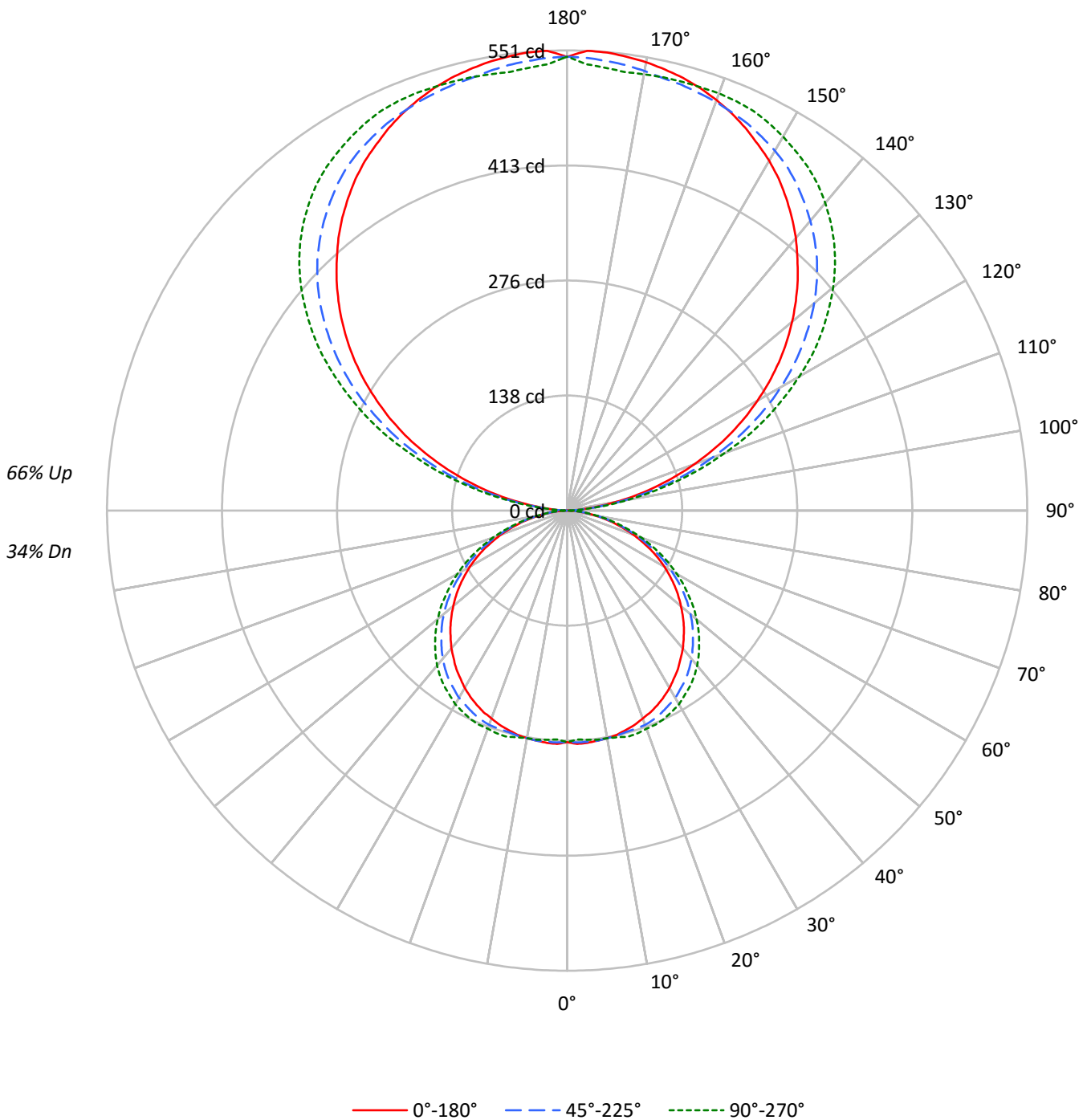
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P253543

CATALOG NUMBER: J3-FL-30L93050-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P253543

CATALOG NUMBER: J3-FL-30L93050-1D-UNV-W2A-W-4 (4000K)

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2239	2239	2239
5°	2262	2252	2233
10°	2268	2268	2268
15°	2272	2293	2344
20°	2275	2347	2387
25°	2285	2380	2450
30°	2286	2413	2497
35°	2281	2433	2528
40°	2271	2440	2552
45°	2256	2432	2554
50°	2234	2421	2542
55°	2211	2388	2504
60°	2170	2325	2451
65°	2103	2239	2365
70°	1980	2108	2219
75°	1818	1931	2024
80°	1581	1688	1748
85°	1269	1315	1380



TEST NUMBER: P253543

CATALOG NUMBER: J3-FL-30L93050-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	1.0
10°-20°	77.8	2.9
20°-30°	122.5	4.6
30°-40°	153.1	5.8
40°-50°	163.2	6.2
50°-60°	150.5	5.7
60°-70°	115.6	4.4
70°-80°	65.5	2.5
80°-90°	17.3	0.7
90°-100°	27.8	1.0
100°-110°	130.8	4.9
110°-120°	237.1	8.9
120°-130°	304.6	11.5
130°-140°	324.1	12.2
140°-150°	298.2	11.2
150°-160°	236.1	8.9
160°-170°	149.9	5.7
170°-180°	51.4	1.9
0°-30°	226.8	8.6
0°-40°	379.9	14.3
0°-60°	693.6	26.2
0°-90°	891.9	33.6
90°-120°	395.8	14.9
90°-150°	1322.6	49.9
90°-180°	1760.0	66.4
0°-180°	2652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	277	277	277	277	277	
5°	279	277	278	277	276	27
15°	272	271	274	279	280	77
25°	256	257	267	273	275	118
35°	232	236	247	253	256	145
45°	198	203	213	220	224	152
55°	157	162	170	175	178	140
65°	110	112	117	121	124	109
75°	58	60	62	64	65	62
85°	14	14	14	15	15	15
90°	1	1	1	0	0	2
95°	18	19	21	22	23	24
105°	110	114	125	133	136	116
115°	214	223	242	257	264	211
125°	310	319	343	362	372	276
135°	390	396	423	442	452	301
145°	457	455	478	493	502	286
155°	505	498	511	522	528	233
165°	536	528	528	530	532	151
175°	550	544	540	536	532	52
180°	543	543	543	543	543	



TEST NUMBER: P253543

CATALOG NUMBER: J3-FL-30L93050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	277.3	277.3	277.3	277.3	277.3
2.5°	279.7	277.3	277.9	277.9	274.3
5°	279.1	276.7	277.9	277.3	275.5
7.5°	277.9	276.1	277.9	277.9	276.7
10°	276.7	275.0	276.7	277.3	276.7
12.5°	275.0	273.2	276.1	277.3	277.9
15°	271.9	270.7	274.3	279.1	280.4
17.5°	269.0	268.4	273.8	279.1	279.7
20°	264.8	264.8	273.2	277.3	277.9
22.5°	261.3	261.3	270.7	275.0	277.3
25°	256.5	257.1	267.2	272.6	275.0
27.5°	251.2	252.9	263.0	269.0	271.4
30°	245.2	248.2	258.9	264.8	267.9
32.5°	238.1	242.2	252.9	258.9	261.8
35°	231.5	235.7	246.9	252.9	256.5
37.5°	223.2	228.5	239.8	245.8	250.0
40°	215.5	220.9	231.5	238.1	242.2
42.5°	206.5	212.4	222.6	229.1	233.3
45°	197.6	202.9	213.0	219.6	223.7
47.5°	188.1	193.5	203.6	209.6	213.6
50°	177.9	183.8	192.8	198.8	202.4
52.5°	167.8	173.1	181.5	187.5	191.0
55°	157.1	161.8	169.7	175.1	177.9
57.5°	145.7	150.5	157.1	162.5	165.4
60°	134.4	138.0	144.0	149.3	151.8
62.5°	122.6	125.6	130.9	135.2	138.0
65°	110.1	112.5	117.2	121.4	123.8
67.5°	97.1	99.4	103.5	107.1	108.9
70°	83.9	86.3	89.3	92.2	94.0
72.5°	71.3	72.6	75.6	78.0	79.2
75°	58.3	59.5	61.9	64.2	64.9
77.5°	46.5	47.0	48.9	50.1	50.6
80°	34.0	35.1	36.3	36.8	37.6
82.5°	23.2	23.8	24.3	25.0	25.5
85°	13.7	14.2	14.2	14.9	14.9
87.5°	5.9	6.6	6.6	6.6	6.6
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.9	5.9	6.6	7.1	7.7
95°	18.4	19.1	20.8	22.0	23.2
97.5°	36.8	38.1	41.6	44.7	45.8
100°	59.5	61.9	67.3	71.3	73.2
102.5°	83.9	87.4	95.3	101.2	104.1
105°	109.5	114.3	125.0	132.7	136.3
107.5°	135.7	141.7	155.4	164.3	169.0
110°	161.8	169.7	184.5	196.3	199.9



TEST NUMBER: P253543

CATALOG NUMBER: J3-FL-30L93050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	188.1	196.3	214.2	227.3	233.9
115°	214.2	223.2	242.2	257.1	264.3
117.5°	239.3	248.7	269.6	286.3	292.7
120°	263.0	273.2	295.8	313.1	320.8
122.5°	286.8	296.4	320.2	338.6	348.2
125°	309.5	319.0	343.4	362.4	372.5
127.5°	331.0	339.7	365.5	385.0	394.6
130°	351.7	360.1	386.2	405.4	416.0
132.5°	371.4	379.1	405.4	423.8	435.1
135°	390.4	396.4	423.1	441.5	452.3
137.5°	408.2	412.4	438.7	457.1	467.3
140°	426.1	427.4	452.9	470.1	480.8
142.5°	442.2	441.5	466.0	482.6	492.8
145°	457.1	455.3	478.5	493.3	502.3
147.5°	471.3	467.3	489.2	501.8	510.0
150°	483.8	478.5	497.5	510.0	517.1
152.5°	494.5	488.5	504.6	516.0	523.0
155°	505.3	498.2	511.2	521.9	527.9
157.5°	514.8	505.8	516.0	525.5	530.3
160°	523.0	514.3	520.7	527.9	531.5
162.5°	530.3	521.4	524.3	528.4	531.5
165°	536.3	527.9	527.9	529.6	531.5
167.5°	540.9	533.8	530.3	530.9	531.5
170°	545.2	538.0	534.4	530.9	530.3
172.5°	548.1	540.9	538.0	533.2	529.6
175°	550.5	544.0	540.3	536.3	532.0
177.5°	551.1	545.7	542.7	538.6	535.0
180°	543.4	543.4	543.4	543.4	543.4

(END OF REPORT)