

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: P253575

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L93050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 2767.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

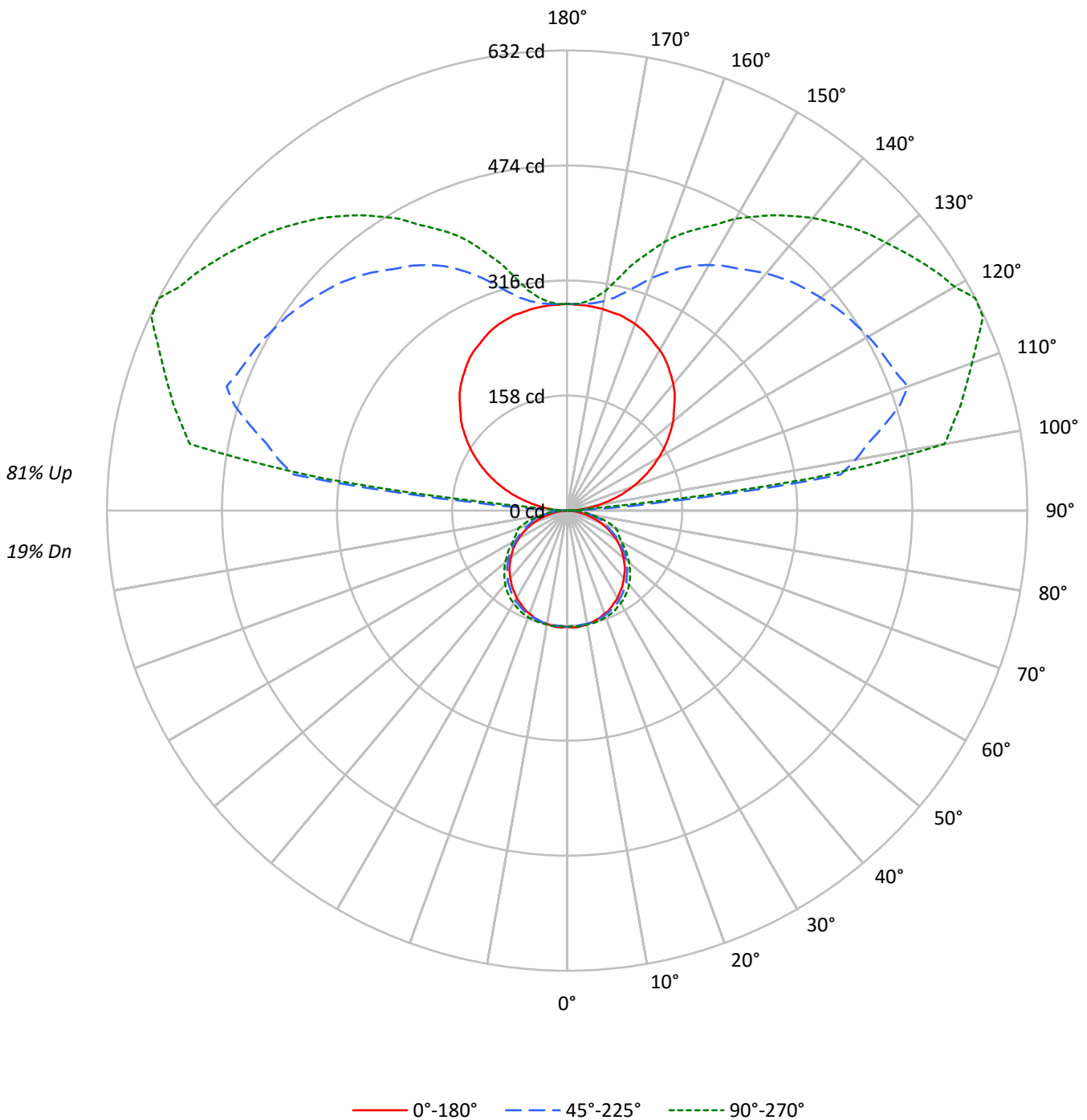
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P253575

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

Luminous Intensity Polar Plot





TEST NUMBER: P253575

CATALOG NUMBER: J3-UL-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	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	37	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°	1290	1290	1290
5°	1302	1288	1295
10°	1295	1295	1303
15°	1297	1297	1321
20°	1294	1310	1341
25°	1292	1317	1358
30°	1293	1327	1370
35°	1285	1330	1385
40°	1277	1336	1394
45°	1280	1332	1395
50°	1268	1326	1395
55°	1267	1319	1396
60°	1246	1305	1393
65°	1211	1282	1475
70°	1150	1301	1669
75°	1061	1491	1691
80°	939	1492	1623
85°	769	1704	1871



TEST NUMBER: P253575

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.5
10°-20°	44.2	1.6
20°-30°	68.5	2.5
30°-40°	84.7	3.1
40°-50°	90.3	3.3
50°-60°	84.1	3.0
60°-70°	68.6	2.5
70°-80°	47.1	1.7
80°-90°	18.4	0.7
90°-100°	161.7	5.8
100°-110°	418.0	15.1
110°-120°	433.4	15.7
120°-130°	385.2	13.9
130°-140°	321.1	11.6
140°-150°	244.8	8.8
150°-160°	164.9	6.0
160°-170°	89.4	3.2
170°-180°	27.5	1.0
0°-30°	127.8	4.6
0°-40°	212.5	7.7
0°-60°	386.9	14.0
0°-90°	521.0	18.8
90°-120°	1013.1	36.6
90°-150°	1964.2	71.0
90°-180°	2246.0	81.2
0°-180°	2767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	160	160	160	160	160	
5°	161	160	159	159	160	15
15°	155	155	155	157	158	44
25°	145	146	148	152	152	67
35°	130	131	135	140	140	81
45°	112	114	117	121	122	86
55°	90	91	94	97	99	80
65°	63	65	67	74	77	62
75°	34	37	48	53	54	36
85°	8	15	18	20	20	9
90°	1	2	2	1	1	3
95°	23	181	128	22	22	23
105°	70	289	450	531	559	73
115°	121	298	486	606	630	120
125°	168	305	468	564	594	150
135°	208	314	442	524	550	161
145°	242	309	406	474	495	151
155°	264	295	367	415	427	122
165°	278	286	310	341	351	79
175°	283	284	285	287	288	27
180°	284	284	284	284	284	



TEST NUMBER: P253575

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	159.8	159.8	159.8	159.8	159.8
2.5°	160.7	160.7	158.9	158.9	158.9
5°	160.7	159.8	158.9	158.9	159.8
7.5°	159.8	159.8	158.0	158.9	159.8
10°	158.0	158.0	158.0	158.9	158.9
12.5°	157.1	157.1	157.1	158.0	158.9
15°	155.2	155.2	155.2	157.1	158.0
17.5°	153.4	153.4	154.3	156.1	157.1
20°	150.6	151.6	152.5	155.2	156.1
22.5°	148.8	148.8	150.6	153.4	154.3
25°	145.1	146.0	147.9	151.6	152.5
27.5°	141.5	142.4	145.1	148.8	149.7
30°	138.7	139.6	142.4	146.0	147.0
32.5°	134.1	135.9	138.7	143.3	144.2
35°	130.4	131.3	135.0	139.6	140.5
37.5°	125.8	127.7	130.4	135.0	136.9
40°	121.2	123.1	126.8	131.3	132.3
42.5°	116.7	118.5	121.2	125.8	127.7
45°	112.1	113.9	116.7	121.2	122.2
47.5°	106.5	108.4	111.1	115.7	116.7
50°	101.0	102.9	105.6	109.3	111.1
52.5°	95.5	97.4	100.1	103.8	104.7
55°	90.0	90.9	93.7	97.4	99.2
57.5°	83.6	85.4	87.3	90.9	92.8
60°	77.2	78.1	80.8	84.5	86.3
62.5°	69.8	71.6	74.4	78.1	81.7
65°	63.4	65.2	67.1	73.5	77.2
67.5°	56.0	57.9	60.6	68.9	75.3
70°	48.7	50.5	55.1	67.1	70.7
72.5°	41.3	43.2	50.5	61.5	63.4
75°	34.0	36.7	47.8	53.3	54.2
77.5°	26.6	29.4	40.4	43.2	44.1
80°	20.2	24.8	32.1	34.9	34.9
82.5°	13.8	21.1	24.8	26.6	27.6
85°	8.3	14.7	18.4	20.2	20.2
87.5°	4.6	9.2	12.9	15.6	14.7
90°	0.9	1.8	1.8	0.9	0.9
92.5°	12.9	37.7	11.0	10.1	10.1
95°	23.0	180.9	127.7	22.0	22.0
97.5°	33.1	221.4	378.4	445.5	335.3
100°	44.1	262.7	402.3	497.8	526.3
102.5°	56.0	282.0	422.5	511.6	541.9
105°	69.8	289.3	450.1	530.9	559.4
107.5°	82.7	293.9	478.5	548.4	575.0
110°	95.5	295.8	497.8	568.6	591.5



TEST NUMBER: P253575

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	108.4	297.6	490.5	592.4	609.9
115°	121.2	298.5	485.9	606.2	630.1
117.5°	133.2	300.4	482.2	592.4	631.9
120°	145.1	302.2	477.6	581.4	614.5
122.5°	157.1	304.0	472.1	573.2	605.3
125°	168.1	304.9	467.5	564.0	594.3
127.5°	179.1	306.8	461.1	554.8	583.3
130°	190.1	310.5	454.7	544.7	572.2
132.5°	198.4	313.2	448.2	535.5	562.1
135°	208.5	314.1	441.8	524.5	550.2
137.5°	218.6	314.1	433.5	513.4	537.3
140°	226.9	313.2	425.3	500.6	524.5
142.5°	234.2	311.4	415.2	487.7	509.8
145°	241.6	308.6	406.0	474.0	495.1
147.5°	248.9	305.9	398.6	459.3	478.5
150°	254.4	302.2	389.4	443.6	462.9
152.5°	259.0	297.6	379.3	428.9	442.7
155°	264.5	294.8	367.4	415.2	427.1
157.5°	269.1	291.2	353.6	400.5	411.5
160°	272.8	289.3	339.8	381.2	393.1
162.5°	275.6	286.6	324.2	361.9	371.1
165°	278.3	285.7	310.5	340.8	350.9
167.5°	279.2	283.8	299.4	318.7	327.0
170°	281.1	283.8	292.1	303.1	306.8
172.5°	282.0	283.8	287.5	293.0	294.8
175°	282.9	283.8	284.7	286.6	287.5
177.5°	282.9	283.8	283.8	283.8	283.8
180°	283.8	283.8	283.8	283.8	283.8

(END OF REPORT)