

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: P253555

Luminaire Tested: **J3-FL-30L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253555
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2696.1 lumens
Efficiency: N/A
Efficacy: 124.8 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

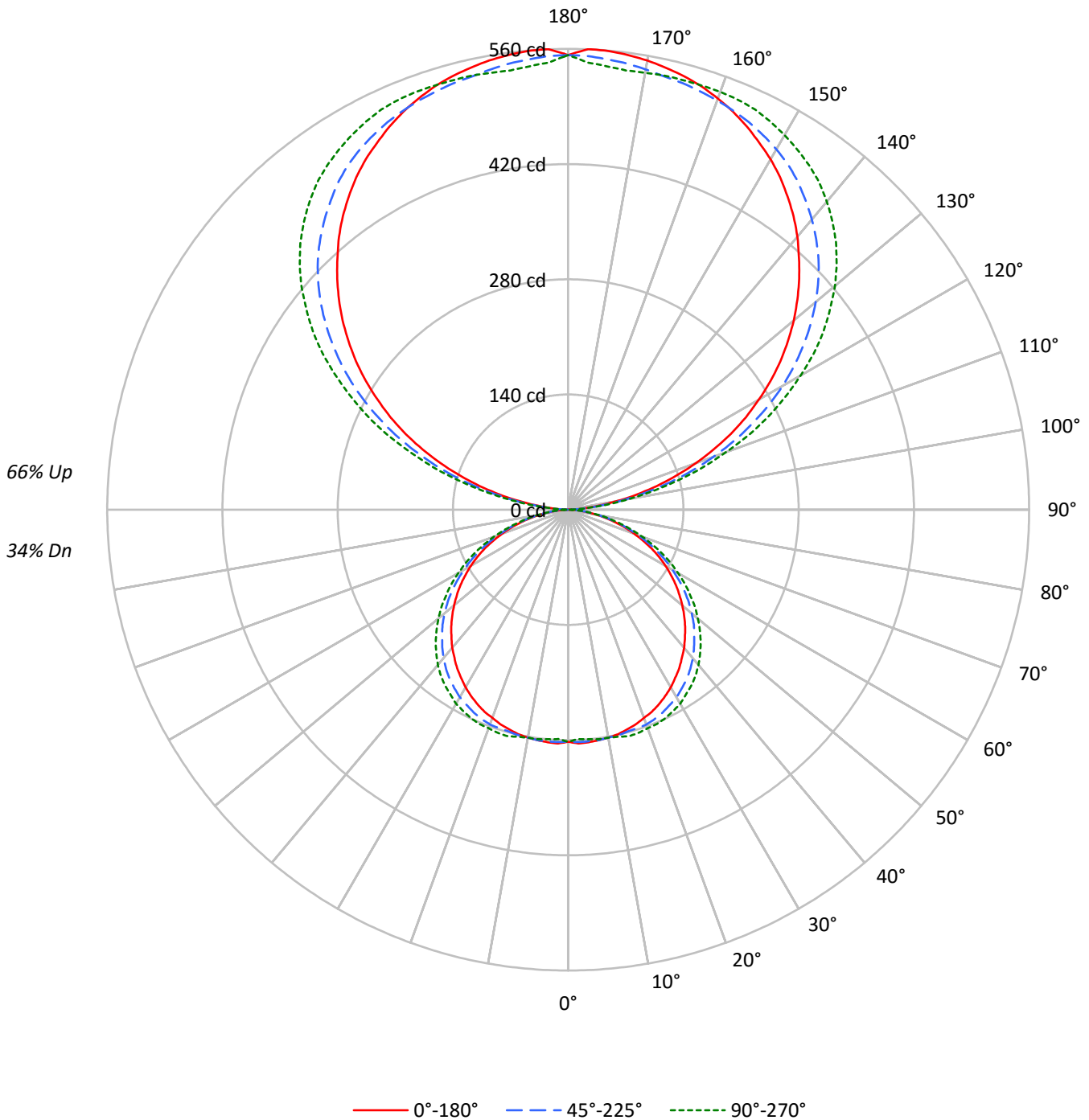
Input Watts (W): 21.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2276	2276	2276
5°	2299	2290	2270
10°	2306	2306	2306
15°	2310	2331	2382
20°	2313	2386	2428
25°	2323	2420	2490
30°	2324	2454	2538
35°	2319	2474	2570
40°	2309	2480	2595
45°	2294	2473	2597
50°	2272	2462	2583
55°	2248	2428	2546
60°	2207	2364	2491
65°	2138	2275	2405
70°	2013	2143	2254
75°	1850	1962	2059
80°	1604	1715	1776
85°	1288	1334	1408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.0
10°-20°	79.1	2.9
20°-30°	124.6	4.6
30°-40°	155.7	5.8
40°-50°	165.9	6.2
50°-60°	153.0	5.7
60°-70°	117.5	4.4
70°-80°	66.6	2.5
80°-90°	17.5	0.7
90°-100°	28.3	1.0
100°-110°	133.0	4.9
110°-120°	241.1	8.9
120°-130°	309.7	11.5
130°-140°	329.4	12.2
140°-150°	303.1	11.2
150°-160°	240.0	8.9
160°-170°	152.4	5.7
170°-180°	52.3	1.9
0°-30°	230.6	8.6
0°-40°	386.2	14.3
0°-60°	705.2	26.2
0°-90°	906.8	33.6
90°-120°	402.4	14.9
90°-150°	1344.7	49.9
90°-180°	1789.0	66.4
0°-180°	2696.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	282	282	282	282	282	
5°	284	281	283	282	280	27
15°	276	275	279	284	285	78
25°	261	261	272	277	280	120
35°	235	240	251	257	261	147
45°	201	206	217	223	228	155
55°	160	164	172	178	181	143
65°	112	114	119	123	126	110
75°	59	60	63	65	66	63
85°	14	14	14	15	15	16
90°	1	1	1	0	0	2
95°	19	19	21	22	24	24
105°	111	116	127	135	139	118
115°	218	227	246	261	269	215
125°	315	324	349	368	379	281
135°	397	403	430	449	460	306
145°	465	463	486	502	511	291
155°	514	506	520	531	537	237
165°	545	537	537	538	540	154
175°	560	553	549	545	541	53
180°	552	552	552	552	552	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	281.9	281.9	281.9	281.9	281.9
2.5°	284.4	281.9	282.6	282.6	278.9
5°	283.7	281.3	282.6	281.9	280.1
7.5°	282.6	280.7	282.6	282.6	281.3
10°	281.3	279.5	281.3	281.9	281.3
12.5°	279.5	277.7	280.7	281.9	282.6
15°	276.4	275.2	278.9	283.7	285.0
17.5°	273.5	272.9	278.4	283.7	284.4
20°	269.2	269.2	277.7	281.9	282.6
22.5°	265.7	265.7	275.2	279.5	281.9
25°	260.8	261.4	271.7	277.2	279.5
27.5°	255.3	257.2	267.4	273.5	275.9
30°	249.3	252.3	263.2	269.2	272.3
32.5°	242.1	246.2	257.2	263.2	266.2
35°	235.3	239.6	251.0	257.2	260.8
37.5°	226.9	232.3	243.8	249.8	254.2
40°	219.1	224.6	235.3	242.1	246.2
42.5°	209.9	216.0	226.3	233.0	237.2
45°	200.9	206.3	216.6	223.3	227.5
47.5°	191.2	196.7	207.0	213.0	217.1
50°	180.9	186.9	196.0	202.1	205.7
52.5°	170.5	176.0	184.5	190.7	194.2
55°	159.7	164.5	172.5	178.0	180.9
57.5°	148.2	153.0	159.7	165.2	168.2
60°	136.7	140.3	146.4	151.8	154.3
62.5°	124.6	127.7	133.1	137.4	140.3
65°	111.9	114.4	119.1	123.4	125.9
67.5°	98.7	101.0	105.2	108.9	110.7
70°	85.3	87.7	90.8	93.7	95.5
72.5°	72.5	73.8	76.8	79.3	80.5
75°	59.3	60.5	62.9	65.3	66.0
77.5°	47.2	47.8	49.7	50.9	51.4
80°	34.5	35.7	36.9	37.4	38.2
82.5°	23.6	24.2	24.7	25.4	25.9
85°	13.9	14.4	14.4	15.2	15.2
87.5°	6.0	6.7	6.7	6.7	6.7
90°	0.6	0.6	0.6	0.0	0.0
92.5°	6.0	6.0	6.7	7.2	7.9
95°	18.7	19.4	21.2	22.4	23.6
97.5°	37.4	38.7	42.3	45.4	46.6
100°	60.5	62.9	68.4	72.5	74.5
102.5°	85.3	88.9	96.8	102.9	105.9
105°	111.4	116.2	127.1	134.9	138.6
107.5°	137.9	144.1	158.0	167.0	171.8
110°	164.5	172.5	187.5	199.6	203.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	191.2	199.6	217.8	231.1	237.8
115°	217.8	226.9	246.2	261.4	268.7
117.5°	243.3	252.9	274.1	291.1	297.6
120°	267.4	277.7	300.7	318.3	326.1
122.5°	291.6	301.4	325.5	344.2	354.0
125°	314.6	324.3	349.2	368.4	378.8
127.5°	336.5	345.4	371.5	391.4	401.1
130°	357.6	366.1	392.6	412.1	423.0
132.5°	377.6	385.4	412.1	430.8	442.3
135°	396.9	403.0	430.2	448.9	459.9
137.5°	415.0	419.3	446.0	464.7	475.1
140°	433.2	434.5	460.4	478.0	488.8
142.5°	449.6	448.9	473.8	490.7	501.0
145°	464.7	462.9	486.5	501.5	510.7
147.5°	479.1	475.1	497.3	510.1	518.5
150°	491.8	486.5	505.8	518.5	525.7
152.5°	502.7	496.7	513.0	524.6	531.8
155°	513.7	506.5	519.7	530.6	536.7
157.5°	523.4	514.2	524.6	534.2	539.2
160°	531.8	522.8	529.4	536.7	540.4
162.5°	539.2	530.0	533.1	537.2	540.4
165°	545.2	536.7	536.7	538.4	540.4
167.5°	549.9	542.7	539.2	539.7	540.4
170°	554.2	546.9	543.3	539.7	539.2
172.5°	557.3	549.9	546.9	542.1	538.4
175°	559.6	553.1	549.3	545.2	540.9
177.5°	560.3	554.8	551.8	547.6	543.9
180°	552.4	552.4	552.4	552.4	552.4

(END OF REPORT)