

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: P253471

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-30L93050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR 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: 2245.6 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

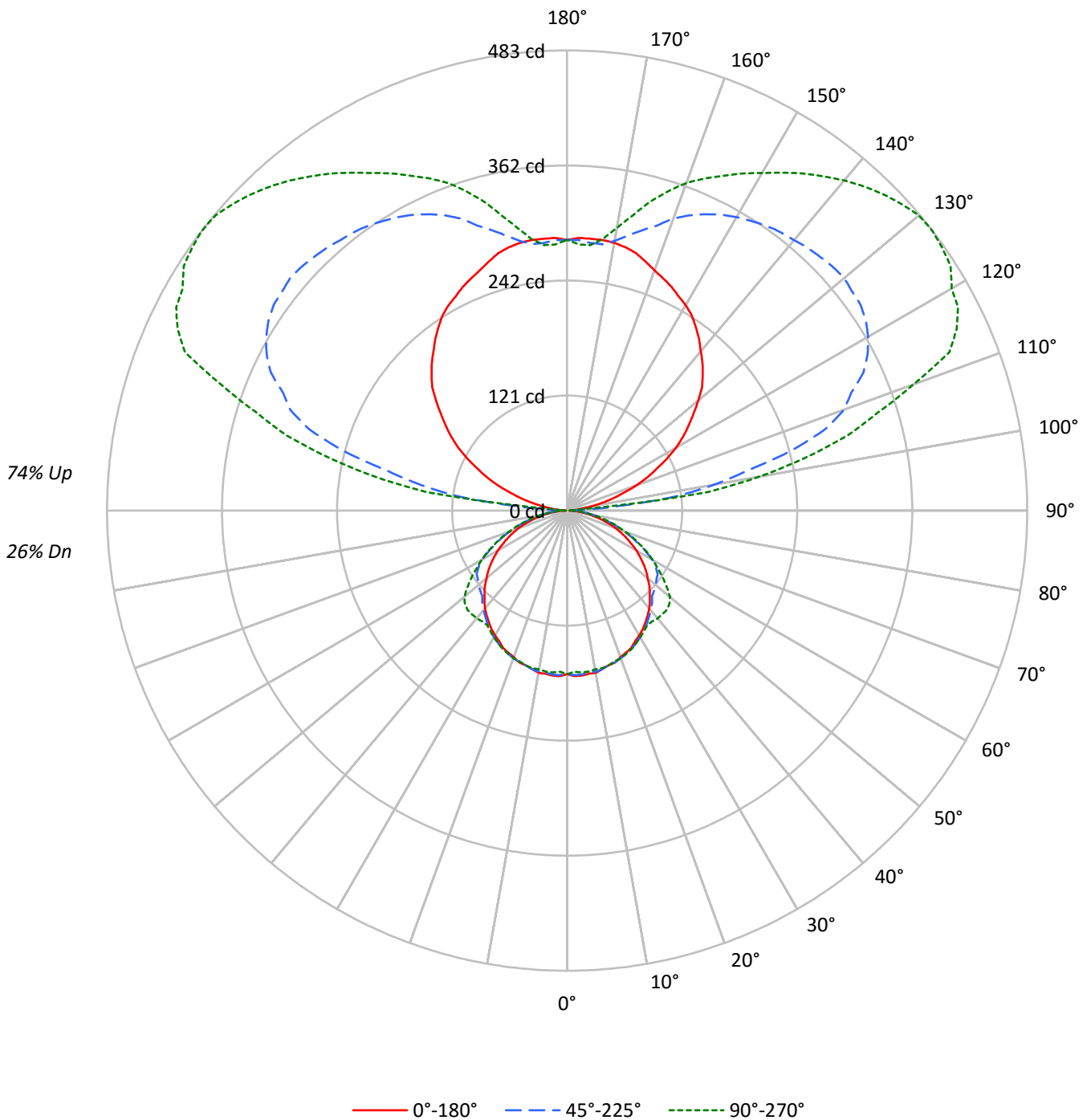
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1385	1385	1385
5°	1409	1400	1382
10°	1417	1407	1388
15°	1406	1406	1406
20°	1406	1416	1416
25°	1417	1427	1427
30°	1409	1430	1430
35°	1411	1434	1445
40°	1413	1437	1557
45°	1401	1441	1686
50°	1384	1527	1770
55°	1375	1631	1727
60°	1358	1669	1669
65°	1324	1585	1606
70°	1289	1501	1530
75°	1204	1419	1454
80°	1111	1371	1320
85°	1056	1473	1260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	0.7
10°-20°	47.5	2.1
20°-30°	73.4	3.3
30°-40°	91.1	4.1
40°-50°	101.9	4.5
50°-60°	99.5	4.4
60°-70°	78.5	3.5
70°-80°	47.5	2.1
80°-90°	16.9	0.8
90°-100°	58.3	2.6
100°-110°	225.6	10.0
110°-120°	310.0	13.8
120°-130°	313.6	14.0
130°-140°	277.9	12.4
140°-150°	219.8	9.8
150°-160°	153.5	6.8
160°-170°	86.9	3.9
170°-180°	27.2	1.2
0°-30°	137.3	6.1
0°-40°	228.3	10.2
0°-60°	429.7	19.1
0°-90°	572.7	25.5
90°-120°	593.9	26.4
90°-150°	1405.3	62.6
90°-180°	1673.0	74.5
0°-180°	2245.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	172	172	172	172	172	
5°	174	172	173	172	170	17
15°	168	167	168	168	168	48
25°	159	157	160	160	160	73
35°	143	143	146	147	147	90
45°	123	124	126	142	148	95
55°	98	99	116	123	123	87
65°	69	73	83	84	84	68
75°	39	46	46	47	47	41
85°	11	18	16	15	14	12
90°	2	7	6	1	1	2
95°	9	46	55	11	11	11
105°	50	161	244	282	305	53
115°	103	218	343	425	451	103
125°	156	252	376	458	481	139
135°	201	277	376	450	469	155
145°	235	284	365	418	432	147
155°	259	277	343	381	388	119
165°	280	278	305	331	335	79
175°	286	283	282	282	280	27
180°	284	284	284	284	284	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	171.6	171.6	171.6	171.6	171.6
2.5°	173.9	171.6	172.8	171.6	169.3
5°	173.9	171.6	172.8	171.6	170.5
7.5°	172.8	171.6	171.6	170.5	170.5
10°	172.8	170.5	171.6	170.5	169.3
12.5°	170.5	169.3	170.5	169.3	169.3
15°	168.2	167.1	168.2	168.2	168.2
17.5°	167.1	164.8	167.1	167.1	165.9
20°	163.7	162.5	164.8	164.8	164.8
22.5°	161.4	160.2	162.5	162.5	162.5
25°	159.1	156.8	160.2	160.2	160.2
27.5°	154.6	154.6	156.8	158.0	156.8
30°	151.2	150.0	153.4	154.6	153.4
32.5°	147.7	146.6	150.0	151.2	150.0
35°	143.2	143.2	145.5	146.6	146.6
37.5°	138.7	138.7	140.9	142.1	146.6
40°	134.1	134.1	136.4	143.2	147.7
42.5°	128.4	128.4	131.8	142.1	147.7
45°	122.7	123.9	126.2	142.1	147.7
47.5°	117.1	118.2	123.9	140.9	145.5
50°	110.2	112.5	121.6	137.5	140.9
52.5°	104.6	105.7	118.2	131.8	131.8
55°	97.7	98.9	115.9	122.7	122.7
57.5°	90.9	92.1	110.2	112.5	112.5
60°	84.1	85.2	103.4	103.4	103.4
62.5°	76.1	78.4	93.2	94.3	94.3
65°	69.3	72.7	83.0	84.1	84.1
67.5°	61.4	67.1	73.9	75.0	75.0
70°	54.6	61.4	63.6	64.8	64.8
72.5°	46.6	53.4	54.6	55.7	55.7
75°	38.6	45.5	45.5	46.6	46.6
77.5°	30.7	36.4	37.5	37.5	37.5
80°	23.9	27.3	29.5	28.4	28.4
82.5°	17.0	21.6	21.6	21.6	20.5
85°	11.4	18.2	15.9	14.8	13.6
87.5°	6.8	15.9	9.1	8.0	8.0
90°	2.3	6.8	5.7	1.1	1.1
92.5°	4.5	11.4	5.7	4.5	3.4
95°	9.1	45.5	54.6	11.4	11.4
97.5°	17.0	76.1	117.1	138.7	148.9
100°	26.1	113.7	156.8	192.1	204.6
102.5°	37.5	137.5	193.2	237.5	255.7
105°	50.0	161.4	244.4	281.9	304.6
107.5°	62.5	179.6	284.1	326.2	342.1
110°	77.3	194.3	309.1	381.9	386.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	90.9	205.7	322.8	409.1	434.1
115°	103.4	218.2	343.2	425.1	451.2
117.5°	118.2	227.3	355.7	434.1	462.6
120°	131.8	235.3	364.8	445.5	466.0
122.5°	144.3	244.4	371.6	454.6	477.3
125°	155.7	252.3	376.2	458.0	480.7
127.5°	167.1	259.1	377.3	459.2	483.0
130°	179.6	265.9	379.6	458.0	481.9
132.5°	192.1	272.8	378.5	454.6	476.2
135°	201.2	277.3	376.2	450.1	469.4
137.5°	210.3	280.7	373.9	443.2	461.4
140°	218.2	283.0	370.5	435.3	452.3
142.5°	227.3	284.1	368.2	427.3	442.1
145°	235.3	284.1	364.8	418.2	431.9
147.5°	243.2	283.0	360.3	409.1	420.5
150°	248.9	280.7	355.7	400.1	409.1
152.5°	253.4	278.4	350.0	389.8	398.9
155°	259.1	277.3	343.2	380.7	387.6
157.5°	263.7	277.3	335.3	370.5	377.3
160°	268.2	277.3	326.2	360.3	366.0
162.5°	273.9	277.3	313.7	345.5	351.2
165°	279.6	278.4	304.6	330.7	335.3
167.5°	283.0	278.4	295.5	312.5	317.1
170°	285.3	280.7	287.5	300.0	301.2
172.5°	286.4	283.0	281.9	287.5	287.5
175°	286.4	283.0	281.9	281.9	279.6
177.5°	286.4	284.1	284.1	283.0	279.6
180°	284.1	284.1	284.1	284.1	284.1

(END OF REPORT)