

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: P253482

Luminaire Tested: **J3-CL-20L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253482
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-20L93050-1D-UNV-W2A-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2060.7 lumens
Efficiency: N/A
Efficacy: 124.1 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

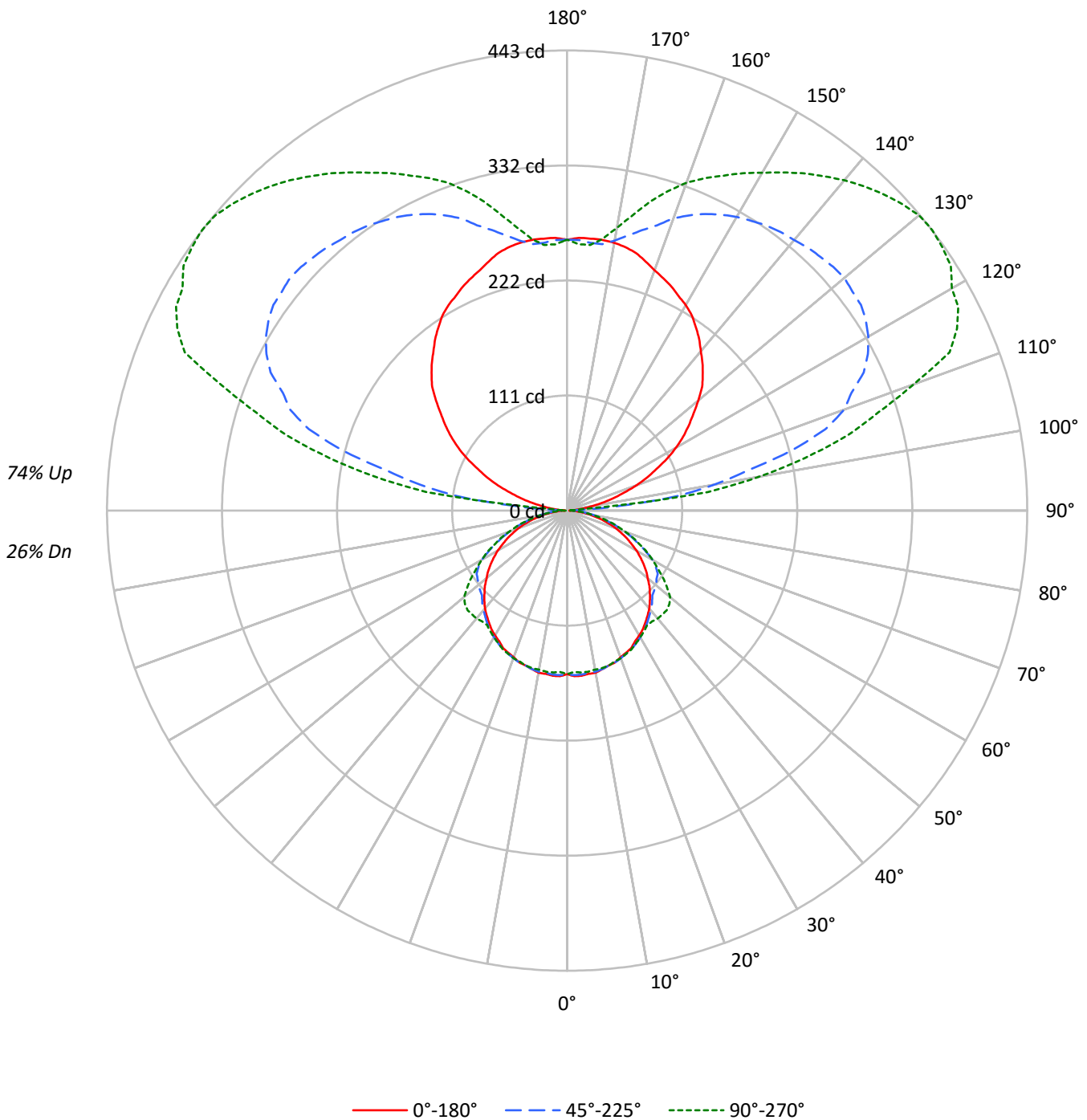
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	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°	1271	1271	1271
5°	1293	1284	1267
10°	1299	1291	1274
15°	1290	1290	1290
20°	1290	1299	1299
25°	1300	1310	1310
30°	1293	1313	1313
35°	1295	1316	1326
40°	1297	1319	1429
45°	1286	1322	1548
50°	1271	1402	1624
55°	1263	1498	1585
60°	1246	1532	1532
65°	1215	1454	1475
70°	1183	1378	1402
75°	1107	1301	1335
80°	1018	1260	1213
85°	963	1352	1158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.7
10°-20°	43.6	2.1
20°-30°	67.4	3.3
30°-40°	83.5	4.1
40°-50°	93.5	4.5
50°-60°	91.4	4.4
60°-70°	72.1	3.5
70°-80°	43.6	2.1
80°-90°	15.5	0.8
90°-100°	53.5	2.6
100°-110°	207.0	10.0
110°-120°	284.5	13.8
120°-130°	287.8	14.0
130°-140°	255.1	12.4
140°-150°	201.7	9.8
150°-160°	140.9	6.8
160°-170°	79.7	3.9
170°-180°	25.0	1.2
0°-30°	126.0	6.1
0°-40°	209.5	10.2
0°-60°	394.4	19.1
0°-90°	525.6	25.5
90°-120°	545.0	26.4
90°-150°	1289.6	62.6
90°-180°	1535.0	74.5
0°-180°	2060.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	158	158	158	158	158	
5°	160	158	158	158	156	15
15°	154	153	154	154	154	44
25°	146	144	147	147	147	67
35°	131	131	134	134	134	82
45°	113	114	116	130	136	87
55°	90	91	106	113	113	80
65°	64	67	76	77	77	63
75°	36	42	42	43	43	38
85°	10	17	15	14	12	11
90°	2	6	5	1	1	2
95°	8	42	50	10	10	10
105°	46	148	224	259	280	49
115°	95	200	315	390	414	95
125°	143	232	345	420	441	128
135°	185	254	345	413	431	142
145°	216	261	335	384	396	135
155°	238	254	315	349	356	110
165°	257	256	280	304	308	72
175°	263	260	259	259	257	25
180°	261	261	261	261	261	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	157.5	157.5	157.5	157.5	157.5
2.5°	159.6	157.5	158.5	157.5	155.4
5°	159.6	157.5	158.5	157.5	156.4
7.5°	158.5	157.5	157.5	156.4	156.4
10°	158.5	156.4	157.5	156.4	155.4
12.5°	156.4	155.4	156.4	155.4	155.4
15°	154.4	153.3	154.4	154.4	154.4
17.5°	153.3	151.2	153.3	153.3	152.3
20°	150.2	149.1	151.2	151.2	151.2
22.5°	148.1	147.1	149.1	149.1	149.1
25°	146.0	143.9	147.1	147.1	147.1
27.5°	141.8	141.8	143.9	145.0	143.9
30°	138.7	137.7	140.8	141.8	140.8
32.5°	135.6	134.5	137.7	138.7	137.7
35°	131.4	131.4	133.5	134.5	134.5
37.5°	127.2	127.2	129.3	130.4	134.5
40°	123.1	123.1	125.2	131.4	135.6
42.5°	117.9	117.9	121.0	130.4	135.6
45°	112.6	113.7	115.8	130.4	135.6
47.5°	107.4	108.5	113.7	129.3	133.5
50°	101.2	103.3	111.6	126.2	129.3
52.5°	96.0	97.0	108.5	121.0	121.0
55°	89.7	90.7	106.4	112.6	112.6
57.5°	83.4	84.5	101.2	103.3	103.3
60°	77.2	78.2	94.9	94.9	94.9
62.5°	69.9	72.0	85.5	86.6	86.6
65°	63.6	66.7	76.1	77.2	77.2
67.5°	56.3	61.5	67.8	68.8	68.8
70°	50.1	56.3	58.4	59.4	59.4
72.5°	42.8	49.0	50.1	51.1	51.1
75°	35.5	41.7	41.7	42.8	42.8
77.5°	28.2	33.4	34.4	34.4	34.4
80°	21.9	25.0	27.1	26.1	26.1
82.5°	15.6	19.8	19.8	19.8	18.8
85°	10.4	16.7	14.6	13.6	12.5
87.5°	6.3	14.6	8.3	7.3	7.3
90°	2.1	6.3	5.2	1.0	1.0
92.5°	4.2	10.4	5.2	4.2	3.1
95°	8.3	41.7	50.1	10.4	10.4
97.5°	15.6	69.9	107.4	127.2	136.6
100°	24.0	104.3	143.9	176.3	187.7
102.5°	34.4	126.2	177.3	218.0	234.7
105°	45.9	148.1	224.2	258.7	279.5
107.5°	57.4	164.8	260.7	299.3	313.9
110°	70.9	178.3	283.7	350.4	354.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	83.4	188.8	296.2	375.5	398.4
115°	94.9	200.2	315.0	390.1	414.1
117.5°	108.5	208.6	326.4	398.4	424.5
120°	121.0	215.9	334.8	408.8	427.6
122.5°	132.5	224.2	341.0	417.2	438.0
125°	142.9	231.5	345.2	420.3	441.2
127.5°	153.3	237.8	346.3	421.4	443.3
130°	164.8	244.1	348.3	420.3	442.2
132.5°	176.3	250.3	347.3	417.2	437.0
135°	184.6	254.5	345.2	413.0	430.7
137.5°	192.9	257.6	343.1	406.8	423.4
140°	200.2	259.7	340.0	399.5	415.1
142.5°	208.6	260.7	337.9	392.2	405.7
145°	215.9	260.7	334.8	383.8	396.3
147.5°	223.2	259.7	330.6	375.5	385.9
150°	228.4	257.6	326.4	367.1	375.5
152.5°	232.6	255.5	321.2	357.7	366.1
155°	237.8	254.5	315.0	349.4	355.7
157.5°	242.0	254.5	307.7	340.0	346.3
160°	246.1	254.5	299.3	330.6	335.8
162.5°	251.4	254.5	287.9	317.1	322.3
165°	256.6	255.5	279.5	303.5	307.7
167.5°	259.7	255.5	271.2	286.8	291.0
170°	261.8	257.6	263.9	275.3	276.4
172.5°	262.8	259.7	258.7	263.9	263.9
175°	262.8	259.7	258.7	258.7	256.6
177.5°	262.8	260.7	260.7	259.7	256.6
180°	260.7	260.7	260.7	260.7	260.7

(END OF REPORT)