

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: P274989

Luminaire Tested: **J3-CL-20L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-20L92765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2115.7 lumens
Efficiency: N/A
Efficacy: 126.7 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

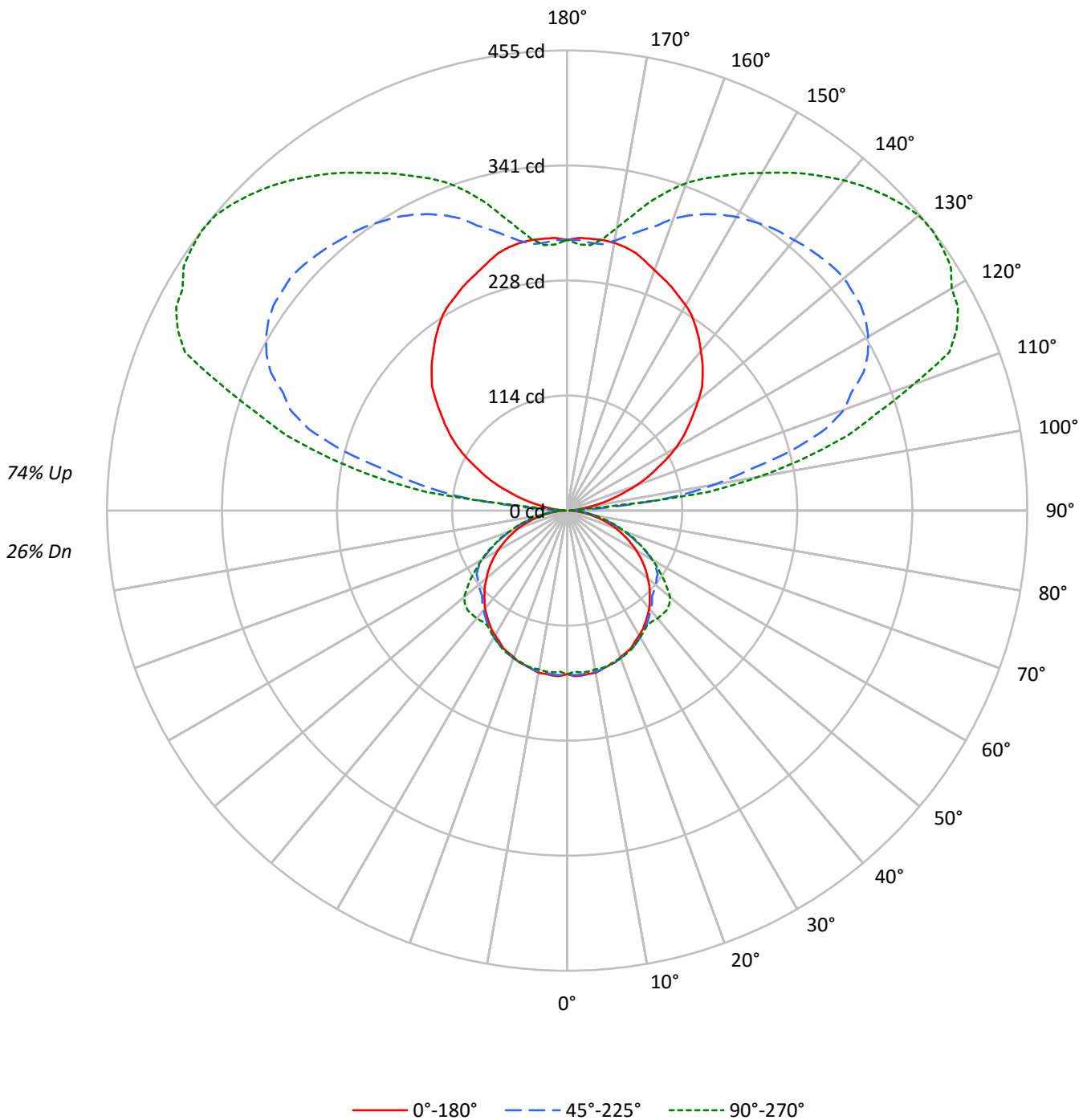
Input Watts (W): 16.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1305	1305	1305
5°	1327	1319	1301
10°	1335	1326	1307
15°	1325	1325	1325
20°	1325	1334	1334
25°	1335	1345	1345
30°	1327	1348	1348
35°	1329	1351	1361
40°	1332	1354	1467
45°	1320	1357	1589
50°	1305	1439	1668
55°	1296	1537	1627
60°	1279	1573	1573
65°	1247	1494	1513
70°	1213	1416	1440
75°	1135	1335	1369
80°	1046	1292	1246
85°	991	1389	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.7
10°-20°	44.7	2.1
20°-30°	69.2	3.3
30°-40°	85.8	4.1
40°-50°	96.0	4.5
50°-60°	93.8	4.4
60°-70°	74.0	3.5
70°-80°	44.8	2.1
80°-90°	15.9	0.8
90°-100°	55.0	2.6
100°-110°	212.5	10.0
110°-120°	292.1	13.8
120°-130°	295.5	14.0
130°-140°	261.9	12.4
140°-150°	207.1	9.8
150°-160°	144.6	6.8
160°-170°	81.8	3.9
170°-180°	25.7	1.2
0°-30°	129.3	6.1
0°-40°	215.1	10.2
0°-60°	404.9	19.1
0°-90°	539.6	25.5
90°-120°	559.5	26.4
90°-150°	1324.0	62.6
90°-180°	1576.0	74.5
0°-180°	2115.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	162	162	162	162	162	
5°	164	162	163	162	161	16
15°	158	157	158	158	158	45
25°	150	148	151	151	151	69
35°	135	135	137	138	138	84
45°	116	117	119	134	139	89
55°	92	93	109	116	116	82
65°	65	68	78	79	79	64
75°	36	43	43	44	44	39
85°	11	17	15	14	13	11
90°	2	6	5	1	1	2
95°	9	43	51	11	11	11
105°	47	152	230	266	287	50
115°	97	206	323	400	425	97
125°	147	238	354	432	453	131
135°	190	261	354	424	442	146
145°	222	268	344	394	407	139
155°	244	261	323	359	365	113
165°	263	262	287	312	316	74
175°	270	267	266	266	263	26
180°	268	268	268	268	268	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	161.7	161.7	161.7	161.7	161.7
2.5°	163.8	161.7	162.8	161.7	159.5
5°	163.8	161.7	162.8	161.7	160.6
7.5°	162.8	161.7	161.7	160.6	160.6
10°	162.8	160.6	161.7	160.6	159.5
12.5°	160.6	159.5	160.6	159.5	159.5
15°	158.5	157.4	158.5	158.5	158.5
17.5°	157.4	155.3	157.4	157.4	156.3
20°	154.2	153.1	155.3	155.3	155.3
22.5°	152.0	151.0	153.1	153.1	153.1
25°	149.9	147.8	151.0	151.0	151.0
27.5°	145.6	145.6	147.8	148.8	147.8
30°	142.4	141.3	144.6	145.6	144.6
32.5°	139.2	138.1	141.3	142.4	141.3
35°	134.9	134.9	137.1	138.1	138.1
37.5°	130.6	130.6	132.8	133.8	138.1
40°	126.4	126.4	128.5	134.9	139.2
42.5°	121.0	121.0	124.2	133.8	139.2
45°	115.6	116.7	118.9	133.8	139.2
47.5°	110.3	111.4	116.7	132.8	137.1
50°	103.9	106.0	114.6	129.6	132.8
52.5°	98.5	99.6	111.4	124.2	124.2
55°	92.1	93.2	109.2	115.6	115.6
57.5°	85.7	86.7	103.9	106.0	106.0
60°	79.2	80.3	97.4	97.4	97.4
62.5°	71.7	73.9	87.8	88.9	88.9
65°	65.3	68.5	78.2	79.2	79.2
67.5°	57.8	63.2	69.6	70.7	70.7
70°	51.4	57.8	60.0	61.0	61.0
72.5°	43.9	50.3	51.4	52.5	52.5
75°	36.4	42.8	42.8	43.9	43.9
77.5°	28.9	34.3	35.3	35.3	35.3
80°	22.5	25.7	27.8	26.8	26.8
82.5°	16.1	20.3	20.3	20.3	19.3
85°	10.7	17.1	15.0	13.9	12.8
87.5°	6.4	15.0	8.6	7.5	7.5
90°	2.1	6.4	5.4	1.1	1.1
92.5°	4.3	10.7	5.4	4.3	3.2
95°	8.6	42.8	51.4	10.7	10.7
97.5°	16.1	71.7	110.3	130.6	140.3
100°	24.6	107.1	147.8	181.0	192.7
102.5°	35.3	129.6	182.0	223.8	240.9
105°	47.1	152.0	230.2	265.6	287.0
107.5°	58.9	169.2	267.7	307.3	322.3
110°	72.8	183.1	291.2	359.8	364.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	85.7	193.8	304.1	385.5	409.0
115°	97.4	205.6	323.4	400.5	425.1
117.5°	111.4	214.2	335.2	409.0	435.8
120°	124.2	221.6	343.7	419.7	439.0
122.5°	136.0	230.2	350.1	428.3	449.7
125°	146.7	237.7	354.4	431.5	452.9
127.5°	157.4	244.1	355.5	432.6	455.1
130°	169.2	250.6	357.6	431.5	454.0
132.5°	181.0	257.0	356.6	428.3	448.7
135°	189.5	261.3	354.4	424.0	442.2
137.5°	198.1	264.5	352.3	417.6	434.7
140°	205.6	266.6	349.1	410.1	426.2
142.5°	214.2	267.7	346.9	402.6	416.5
145°	221.6	267.7	343.7	394.0	406.9
147.5°	229.1	266.6	339.4	385.5	396.2
150°	234.5	264.5	335.2	376.9	385.5
152.5°	238.8	262.3	329.8	367.3	375.8
155°	244.1	261.3	323.4	358.7	365.1
157.5°	248.4	261.3	315.9	349.1	355.5
160°	252.7	261.3	307.3	339.4	344.8
162.5°	258.1	261.3	295.5	325.5	330.9
165°	263.4	262.3	287.0	311.6	315.9
167.5°	266.6	262.3	278.4	294.5	298.7
170°	268.8	264.5	270.9	282.7	283.8
172.5°	269.8	266.6	265.6	270.9	270.9
175°	269.8	266.6	265.6	265.6	263.4
177.5°	269.8	267.7	267.7	266.6	263.4
180°	267.7	267.7	267.7	267.7	267.7

(END OF REPORT)