

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: P275006

Luminaire Tested: **J3-CL-30L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275006
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-30L92765-1D-UNV-W2A-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2738.0 lumens
Efficiency: N/A
Efficacy: 126.2 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

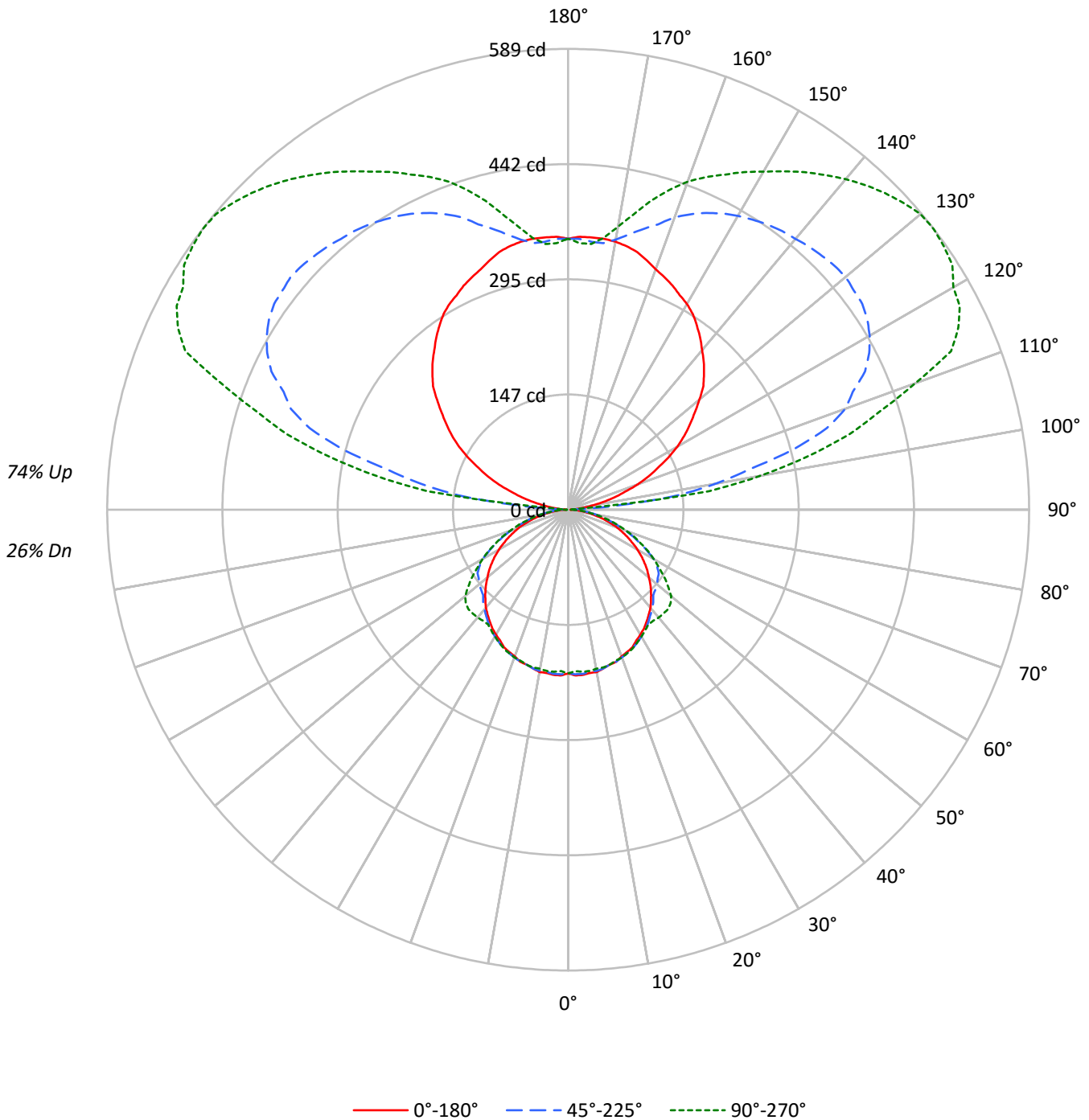
Input Watts (W): 21.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1689	1689	1689
5°	1718	1707	1685
10°	1726	1715	1693
15°	1714	1714	1714
20°	1714	1726	1726
25°	1728	1741	1741
30°	1718	1744	1744
35°	1721	1748	1762
40°	1723	1753	1898
45°	1709	1756	2056
50°	1688	1863	2158
55°	1678	1989	2107
60°	1655	2036	2036
65°	1614	1933	1958
70°	1570	1832	1865
75°	1469	1728	1772
80°	1353	1674	1609
85°	1288	1797	1538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.7
10°-20°	57.9	2.1
20°-30°	89.5	3.3
30°-40°	111.0	4.1
40°-50°	124.2	4.5
50°-60°	121.4	4.4
60°-70°	95.8	3.5
70°-80°	57.9	2.1
80°-90°	20.6	0.8
90°-100°	71.1	2.6
100°-110°	275.0	10.0
110°-120°	378.0	13.8
120°-130°	382.4	14.0
130°-140°	338.9	12.4
140°-150°	268.0	9.8
150°-160°	187.1	6.8
160°-170°	105.9	3.9
170°-180°	33.2	1.2
0°-30°	167.4	6.1
0°-40°	278.4	10.2
0°-60°	524.0	19.1
0°-90°	698.3	25.5
90°-120°	724.1	26.4
90°-150°	1713.4	62.6
90°-180°	2040.0	74.5
0°-180°	2738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	209	209	209	209	209	
5°	212	209	211	209	208	20
15°	205	204	205	205	205	58
25°	194	191	195	195	195	89
35°	175	175	177	179	179	109
45°	150	151	154	173	180	115
55°	119	121	141	150	150	106
65°	84	89	101	102	102	83
75°	47	55	55	57	57	50
85°	14	22	19	18	17	15
90°	3	8	7	1	1	3
95°	11	55	66	14	14	14
105°	61	197	298	344	371	65
115°	126	266	418	518	550	126
125°	190	308	459	558	586	170
135°	245	338	459	549	572	189
145°	287	346	445	510	527	179
155°	316	338	418	464	472	146
165°	341	340	371	403	409	96
175°	349	345	344	344	341	33
180°	346	346	346	346	346	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	209.2	209.2	209.2	209.2	209.2
2.5°	212.0	209.2	210.6	209.2	206.5
5°	212.0	209.2	210.6	209.2	207.9
7.5°	210.6	209.2	209.2	207.9	207.9
10°	210.6	207.9	209.2	207.9	206.5
12.5°	207.9	206.5	207.9	206.5	206.5
15°	205.1	203.7	205.1	205.1	205.1
17.5°	203.7	200.9	203.7	203.7	202.3
20°	199.5	198.2	200.9	200.9	200.9
22.5°	196.8	195.4	198.2	198.2	198.2
25°	194.0	191.2	195.4	195.4	195.4
27.5°	188.5	188.5	191.2	192.6	191.2
30°	184.3	182.9	187.1	188.5	187.1
32.5°	180.1	178.8	182.9	184.3	182.9
35°	174.6	174.6	177.4	178.8	178.8
37.5°	169.1	169.1	171.8	173.2	178.8
40°	163.5	163.5	166.3	174.6	180.1
42.5°	156.6	156.6	160.7	173.2	180.1
45°	149.7	151.0	153.8	173.2	180.1
47.5°	142.7	144.1	151.0	171.8	177.4
50°	134.4	137.2	148.3	167.7	171.8
52.5°	127.5	128.9	144.1	160.7	160.7
55°	119.2	120.6	141.3	149.7	149.7
57.5°	110.9	112.2	134.4	137.2	137.2
60°	102.5	103.9	126.1	126.1	126.1
62.5°	92.8	95.6	113.6	115.0	115.0
65°	84.5	88.7	101.2	102.5	102.5
67.5°	74.8	81.8	90.1	91.5	91.5
70°	66.5	74.8	77.6	79.0	79.0
72.5°	56.8	65.1	66.5	67.9	67.9
75°	47.1	55.4	55.4	56.8	56.8
77.5°	37.4	44.3	45.7	45.7	45.7
80°	29.1	33.3	36.0	34.6	34.6
82.5°	20.8	26.3	26.3	26.3	24.9
85°	13.9	22.2	19.4	18.0	16.6
87.5°	8.3	19.4	11.1	9.7	9.7
90°	2.8	8.3	6.9	1.4	1.4
92.5°	5.5	13.9	6.9	5.5	4.2
95°	11.1	55.4	66.5	13.9	13.9
97.5°	20.8	92.8	142.7	169.1	181.5
100°	31.9	138.6	191.2	234.2	249.4
102.5°	45.7	167.7	235.6	289.6	311.8
105°	61.0	196.8	297.9	343.7	371.4
107.5°	76.2	218.9	346.4	397.7	417.1
110°	94.2	237.0	376.9	465.6	471.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	110.9	250.8	393.6	498.9	529.4
115°	126.1	266.1	418.5	518.3	550.1
117.5°	144.1	277.1	433.7	529.4	564.0
120°	160.7	286.8	444.8	543.2	568.2
122.5°	176.0	297.9	453.1	554.3	582.0
125°	189.8	307.6	458.7	558.5	586.2
127.5°	203.7	315.9	460.1	559.8	588.9
130°	218.9	324.3	462.8	558.5	587.6
132.5°	234.2	332.6	461.5	554.3	580.6
135°	245.3	338.1	458.7	548.8	572.3
137.5°	256.4	342.3	455.9	540.4	562.6
140°	266.1	345.0	451.8	530.7	551.5
142.5°	277.1	346.4	449.0	521.0	539.1
145°	286.8	346.4	444.8	510.0	526.6
147.5°	296.5	345.0	439.3	498.9	512.7
150°	303.5	342.3	433.7	487.8	498.9
152.5°	309.0	339.5	426.8	475.3	486.4
155°	315.9	338.1	418.5	464.2	472.5
157.5°	321.5	338.1	408.8	451.8	460.1
160°	327.0	338.1	397.7	439.3	446.2
162.5°	334.0	338.1	382.5	421.3	428.2
165°	340.9	339.5	371.4	403.3	408.8
167.5°	345.0	339.5	360.3	381.1	386.6
170°	347.8	342.3	350.6	365.8	367.2
172.5°	349.2	345.0	343.7	350.6	350.6
175°	349.2	345.0	343.7	343.7	340.9
177.5°	349.2	346.4	346.4	345.0	340.9
180°	346.4	346.4	346.4	346.4	346.4

(END OF REPORT)