

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: P275031

Luminaire Tested: **J3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275031
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-50L92765-1D-UNV-W2A-W-4 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3762.3 lumens
Efficiency: N/A
Efficacy: 106.3 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

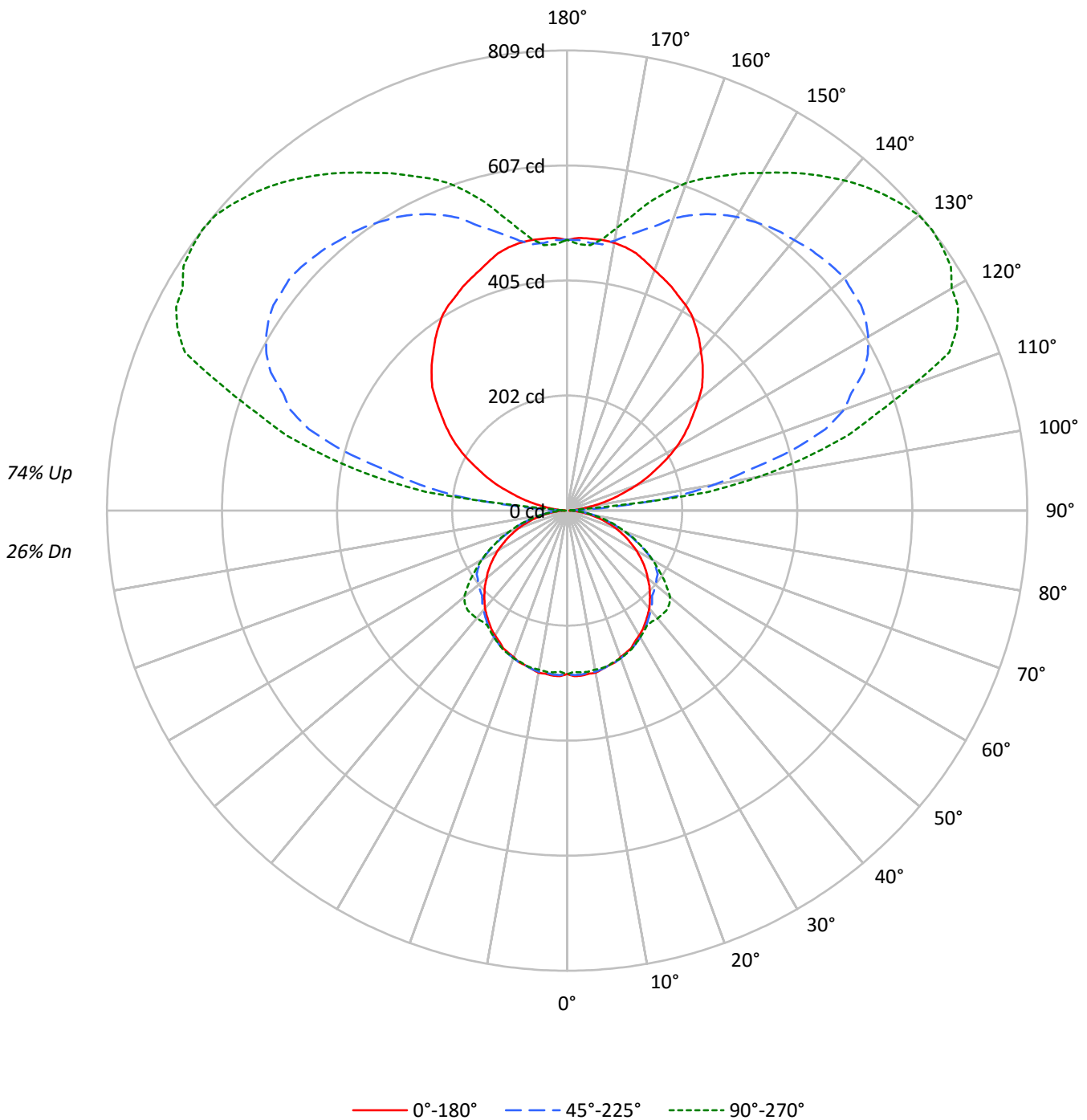
Input Watts (W): 35.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2321	2321	2321
5°	2361	2345	2314
10°	2372	2357	2326
15°	2355	2355	2355
20°	2356	2372	2372
25°	2375	2392	2392
30°	2361	2397	2397
35°	2364	2402	2420
40°	2368	2408	2608
45°	2347	2414	2826
50°	2320	2558	2965
55°	2305	2733	2894
60°	2275	2798	2798
65°	2220	2655	2692
70°	2157	2516	2561
75°	2018	2377	2436
80°	1860	2301	2213
85°	1760	2473	2112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.7
10°-20°	79.6	2.1
20°-30°	123.0	3.3
30°-40°	152.5	4.1
40°-50°	170.7	4.5
50°-60°	166.8	4.4
60°-70°	131.6	3.5
70°-80°	79.6	2.1
80°-90°	28.4	0.8
90°-100°	97.7	2.6
100°-110°	377.9	10.0
110°-120°	519.4	13.8
120°-130°	525.4	14.0
130°-140°	465.7	12.4
140°-150°	368.3	9.8
150°-160°	257.2	6.8
160°-170°	145.5	3.9
170°-180°	45.6	1.2
0°-30°	230.0	6.1
0°-40°	382.5	10.2
0°-60°	720.0	19.1
0°-90°	959.6	25.5
90°-120°	995.0	26.4
90°-150°	2354.4	62.6
90°-180°	2803.0	74.5
0°-180°	3762.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	288	288	288	288	288	
5°	291	288	289	288	286	28
15°	282	280	282	282	282	80
25°	267	263	268	268	268	122
35°	240	240	244	246	246	150
45°	206	208	211	238	248	159
55°	164	166	194	206	206	146
65°	116	122	139	141	141	115
75°	65	76	76	78	78	69
85°	19	30	27	25	23	20
90°	4	11	10	2	2	4
95°	15	76	91	19	19	19
105°	84	270	409	472	510	89
115°	173	366	575	712	756	173
125°	261	423	630	767	806	233
135°	337	465	630	754	786	260
145°	394	476	611	701	724	247
155°	434	465	575	638	649	200
165°	468	466	510	554	562	132
175°	480	474	472	472	468	46
180°	476	476	476	476	476	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	287.5	287.5	287.5	287.5	287.5
2.5°	291.3	287.5	289.4	287.5	283.7
5°	291.3	287.5	289.4	287.5	285.6
7.5°	289.4	287.5	287.5	285.6	285.6
10°	289.4	285.6	287.5	285.6	283.7
12.5°	285.6	283.7	285.6	283.7	283.7
15°	281.8	279.9	281.8	281.8	281.8
17.5°	279.9	276.1	279.9	279.9	278.0
20°	274.2	272.3	276.1	276.1	276.1
22.5°	270.4	268.5	272.3	272.3	272.3
25°	266.6	262.8	268.5	268.5	268.5
27.5°	259.0	259.0	262.8	264.7	262.8
30°	253.3	251.3	257.1	259.0	257.1
32.5°	247.5	245.6	251.3	253.3	251.3
35°	239.9	239.9	243.7	245.6	245.6
37.5°	232.3	232.3	236.1	238.0	245.6
40°	224.7	224.7	228.5	239.9	247.5
42.5°	215.2	215.2	220.9	238.0	247.5
45°	205.6	207.6	211.4	238.0	247.5
47.5°	196.1	198.0	207.6	236.1	243.7
50°	184.7	188.5	203.7	230.4	236.1
52.5°	175.2	177.1	198.0	220.9	220.9
55°	163.8	165.7	194.2	205.6	205.6
57.5°	152.3	154.2	184.7	188.5	188.5
60°	140.9	142.8	173.3	173.3	173.3
62.5°	127.6	131.4	156.1	158.0	158.0
65°	116.2	121.9	139.0	140.9	140.9
67.5°	102.8	112.3	123.8	125.7	125.7
70°	91.4	102.8	106.6	108.5	108.5
72.5°	78.1	89.5	91.4	93.3	93.3
75°	64.7	76.2	76.2	78.1	78.1
77.5°	51.4	60.9	62.8	62.8	62.8
80°	40.0	45.7	49.5	47.6	47.6
82.5°	28.6	36.2	36.2	36.2	34.3
85°	19.0	30.5	26.7	24.8	22.8
87.5°	11.4	26.7	15.2	13.3	13.3
90°	3.8	11.4	9.5	1.9	1.9
92.5°	7.6	19.0	9.5	7.6	5.7
95°	15.2	76.2	91.4	19.0	19.0
97.5°	28.6	127.6	196.1	232.3	249.4
100°	43.8	190.4	262.8	321.8	342.7
102.5°	62.8	230.4	323.7	398.0	428.4
105°	83.8	270.4	409.4	472.2	510.3
107.5°	104.7	300.9	476.0	546.5	573.2
110°	129.5	325.6	517.9	639.8	647.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	152.3	344.7	540.8	685.5	727.4
115°	173.3	365.6	575.1	712.2	755.9
117.5°	198.0	380.8	596.0	727.4	775.0
120°	220.9	394.2	611.2	746.4	780.7
122.5°	241.8	409.4	622.7	761.7	799.7
125°	260.9	422.7	630.3	767.4	805.5
127.5°	279.9	434.1	632.2	769.3	809.3
130°	300.9	445.6	636.0	767.4	807.4
132.5°	321.8	457.0	634.1	761.7	797.8
135°	337.0	464.6	630.3	754.0	786.4
137.5°	352.3	470.3	626.5	742.6	773.1
140°	365.6	474.1	620.8	729.3	757.9
142.5°	380.8	476.0	616.9	716.0	740.7
145°	394.2	476.0	611.2	700.7	723.6
147.5°	407.5	474.1	603.6	685.5	704.5
150°	417.0	470.3	596.0	670.3	685.5
152.5°	424.6	466.5	586.5	653.1	668.4
155°	434.1	464.6	575.1	637.9	649.3
157.5°	441.8	464.6	561.7	620.8	632.2
160°	449.4	464.6	546.5	603.6	613.1
162.5°	458.9	464.6	525.5	578.9	588.4
165°	468.4	466.5	510.3	554.1	561.7
167.5°	474.1	466.5	495.1	523.6	531.3
170°	477.9	470.3	481.8	502.7	504.6
172.5°	479.8	474.1	472.2	481.8	481.8
175°	479.8	474.1	472.2	472.2	468.4
177.5°	479.8	476.0	476.0	474.1	468.4
180°	476.0	476.0	476.0	476.0	476.0

(END OF REPORT)