

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: P275221

Luminaire Tested: **J3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-17)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5226.0 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

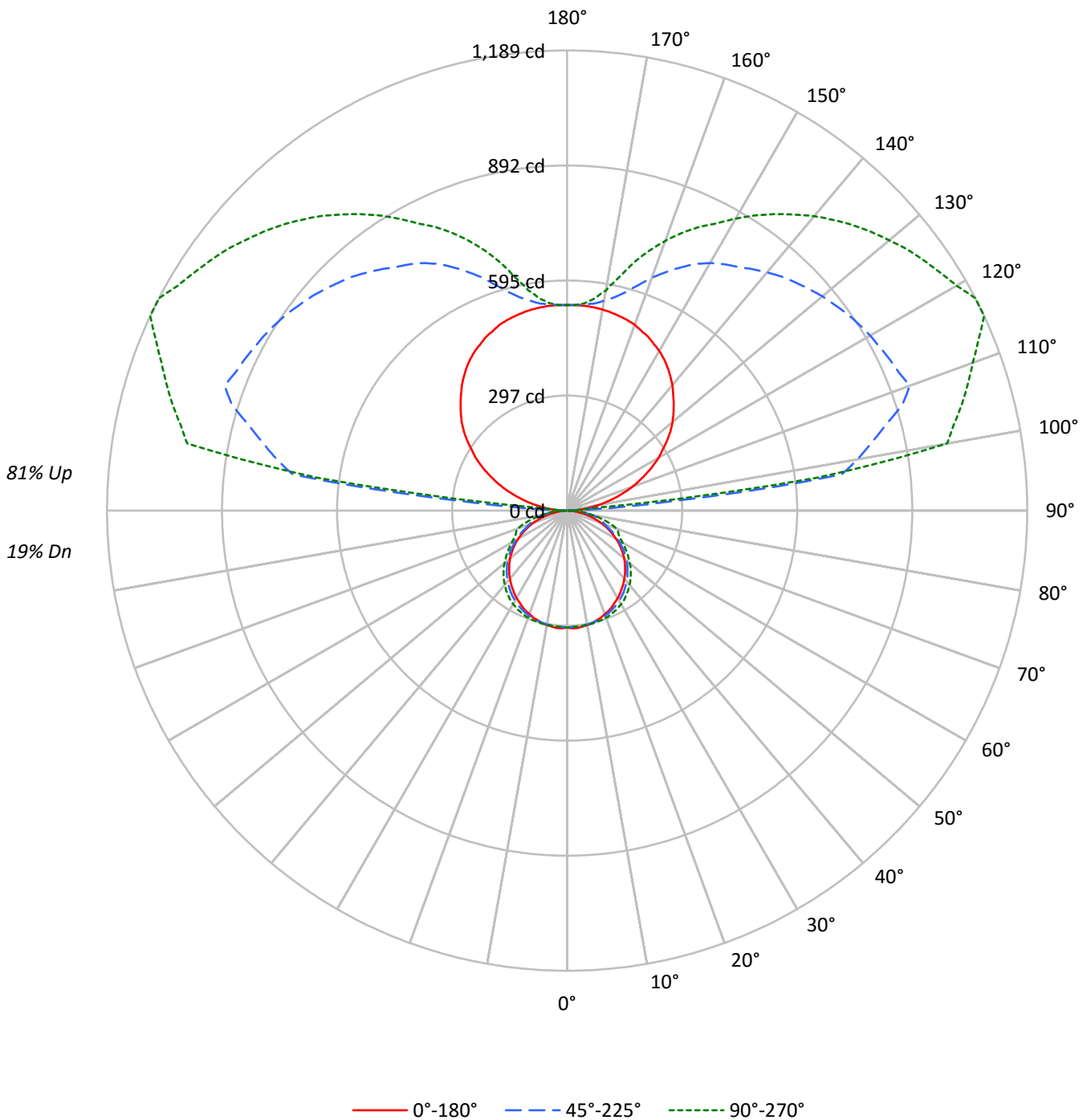
Input Watts (W): 36.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2441	2441	2441
5°	2467	2440	2435
10°	2463	2447	2458
15°	2451	2462	2489
20°	2446	2480	2531
25°	2443	2496	2565
30°	2435	2508	2600
35°	2425	2516	2625
40°	2422	2518	2642
45°	2422	2519	2653
50°	2418	2516	2655
55°	2396	2505	2653
60°	2357	2462	2653
65°	2288	2437	2800
70°	2195	2441	3182
75°	2021	2798	3206
80°	1767	2831	3133
85°	1399	3214	3575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	0.6
10°-20°	83.6	1.6
20°-30°	129.7	2.5
30°-40°	160.4	3.1
40°-50°	171.0	3.3
50°-60°	159.3	3.0
60°-70°	129.8	2.5
70°-80°	89.3	1.7
80°-90°	35.1	0.7
90°-100°	308.3	5.9
100°-110°	789.2	15.1
110°-120°	816.7	15.6
120°-130°	727.6	13.9
130°-140°	606.0	11.6
140°-150°	461.3	8.8
150°-160°	310.3	5.9
160°-170°	168.1	3.2
170°-180°	51.5	1.0
0°-30°	242.0	4.6
0°-40°	402.4	7.7
0°-60°	732.7	14.0
0°-90°	987.0	18.9
90°-120°	1914.2	36.6
90°-150°	3709.1	71.0
90°-180°	4239.0	81.1
0°-180°	5226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	302	302	302	302	302	
5°	304	303	301	302	300	29
15°	293	295	295	298	298	83
25°	274	277	280	286	288	126
35°	246	250	255	264	266	154
45°	212	215	221	228	232	164
55°	170	173	178	184	188	152
65°	120	122	128	139	147	119
75°	65	69	90	100	103	68
85°	15	28	35	39	39	17
90°	2	3	3	3	3	5
95°	44	343	253	42	42	43
105°	130	545	851	1001	1055	137
115°	226	563	921	1138	1189	223
125°	315	575	884	1064	1126	281
135°	390	591	834	990	1043	301
145°	452	580	768	893	935	283
155°	496	551	693	782	808	228
165°	520	535	584	641	662	147
175°	531	532	535	537	538	51
180°	531	531	531	531	531	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	302.4	302.4	302.4	302.4	302.4
2.5°	304.4	303.7	301.1	301.8	300.5
5°	304.4	303.1	301.1	301.8	300.5
7.5°	302.4	301.8	299.8	301.1	300.5
10°	300.5	299.8	298.5	300.5	299.8
12.5°	297.8	297.8	297.2	299.1	299.1
15°	293.3	295.2	294.6	297.8	297.8
17.5°	290.0	291.3	291.9	295.9	296.5
20°	284.7	287.4	288.7	292.6	294.6
22.5°	280.2	282.8	284.7	290.0	291.9
25°	274.3	276.9	280.2	286.1	288.0
27.5°	267.1	271.7	274.9	282.1	284.1
30°	261.2	264.5	269.0	276.2	278.9
32.5°	254.0	257.9	262.5	270.3	273.6
35°	246.1	250.1	255.3	263.8	266.4
37.5°	238.3	241.5	247.4	255.9	259.2
40°	229.8	233.0	238.9	248.1	250.7
42.5°	221.3	224.5	230.4	238.9	242.2
45°	212.1	215.4	220.6	228.5	232.4
47.5°	202.3	205.5	210.8	218.6	222.6
50°	192.5	195.1	200.3	207.5	211.4
52.5°	181.3	183.9	189.2	195.7	199.7
55°	170.2	172.8	178.0	183.9	188.5
57.5°	158.4	161.0	165.0	171.5	176.7
60°	146.0	148.6	152.5	159.7	164.3
62.5°	132.9	135.5	140.1	147.9	155.1
65°	119.8	122.4	127.6	139.4	146.6
67.5°	106.7	109.3	113.9	130.9	142.7
70°	93.0	95.6	103.4	127.0	134.8
72.5°	78.6	82.5	95.6	117.2	120.4
75°	64.8	68.7	89.7	100.2	102.8
77.5°	50.4	56.3	77.9	82.5	83.8
80°	38.0	46.5	60.9	66.8	67.4
82.5°	25.5	39.9	47.1	51.1	51.1
85°	15.1	27.5	34.7	38.6	38.6
87.5°	8.5	18.3	25.5	30.1	29.5
90°	2.0	3.3	3.3	2.6	2.6
92.5°	23.6	64.2	20.9	19.6	19.6
95°	43.9	343.0	252.7	42.5	42.5
97.5°	60.9	417.0	715.5	866.0	651.3
100°	83.1	500.1	761.3	938.0	996.9
102.5°	104.7	530.9	804.5	964.2	1023.1
105°	129.6	544.6	851.0	1000.9	1055.2
107.5°	153.8	552.5	907.9	1032.9	1085.3
110°	178.7	556.4	942.0	1070.3	1115.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	201.6	559.7	928.9	1113.5	1150.1
115°	225.8	562.9	921.0	1138.3	1188.7
117.5°	249.4	564.9	911.8	1112.8	1188.7
120°	273.0	568.2	904.0	1095.8	1161.9
122.5°	292.6	572.1	894.8	1080.7	1143.6
125°	314.9	575.4	884.4	1064.4	1125.9
127.5°	336.5	578.7	872.6	1047.3	1108.2
130°	355.4	585.9	860.8	1030.3	1086.6
132.5°	372.5	589.8	847.7	1010.0	1065.7
135°	389.5	591.1	834.0	990.4	1043.4
137.5°	405.8	590.4	820.2	968.1	1018.5
140°	422.9	588.5	803.2	945.2	993.0
142.5°	437.9	584.6	786.2	919.7	964.2
145°	452.3	580.0	768.5	892.9	934.8
147.5°	464.8	572.8	754.7	864.1	904.6
150°	476.5	564.9	738.4	834.6	870.6
152.5°	485.1	557.7	718.1	806.5	836.6
155°	495.5	551.2	693.2	781.6	808.4
157.5°	502.1	545.9	667.0	750.8	777.0
160°	510.6	542.0	640.2	717.4	741.7
162.5°	516.5	538.1	610.7	680.1	703.7
165°	520.4	534.8	583.9	640.8	662.4
167.5°	524.3	533.5	564.3	599.6	616.6
170°	527.6	532.2	550.5	568.8	578.0
172.5°	529.6	531.5	539.4	549.2	553.8
175°	530.9	531.5	534.8	536.8	538.1
177.5°	531.5	531.5	531.5	530.9	531.5
180°	530.9	530.9	530.9	530.9	530.9

(END OF REPORT)