

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: P275241

Luminaire Tested: **J3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5166.8 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

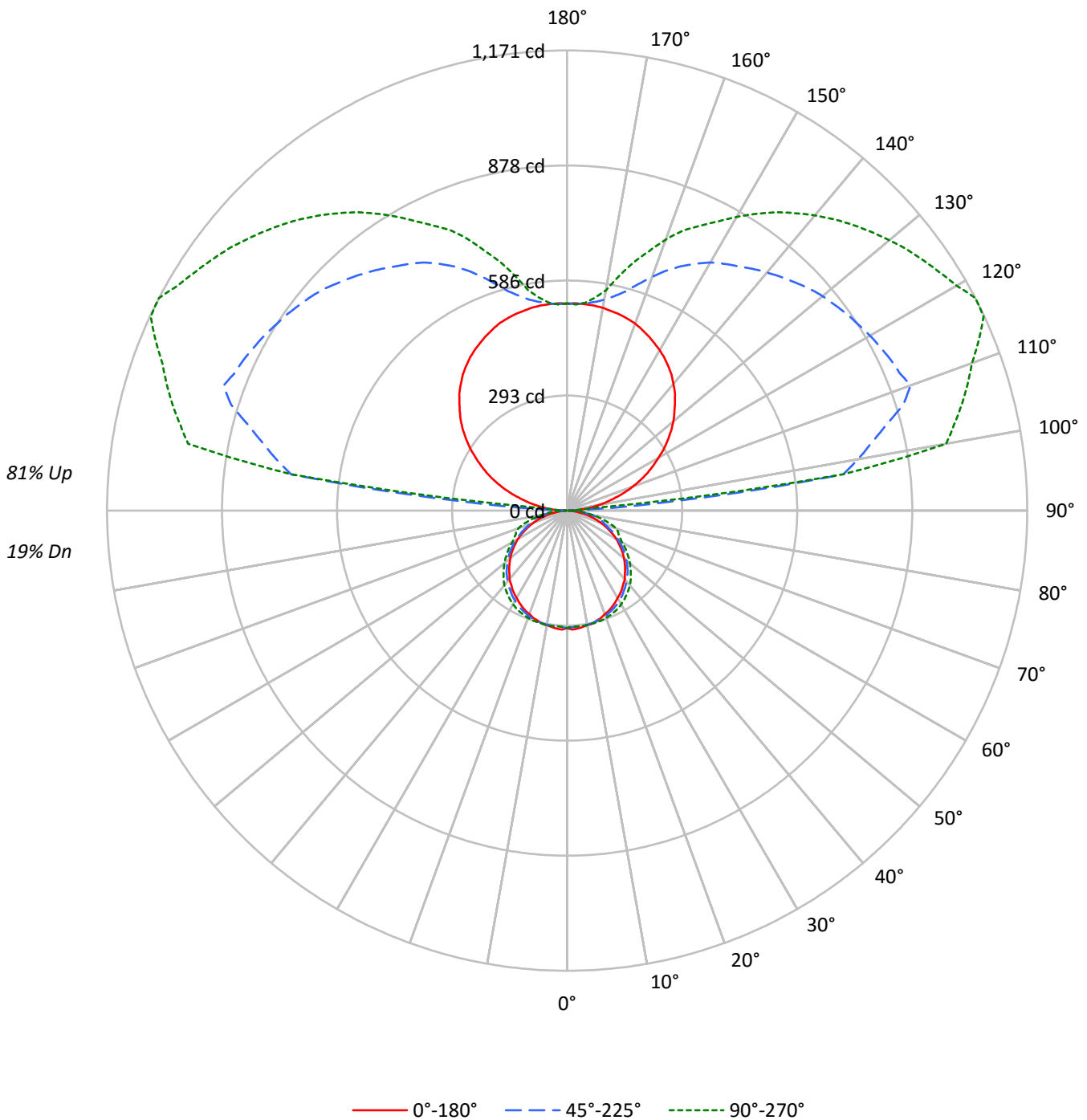
Input Watts (W): 44.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	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	19	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°	2414	2414	2414
5°	2440	2407	2398
10°	2426	2417	2426
15°	2422	2430	2456
20°	2410	2454	2498
25°	2407	2462	2535
30°	2394	2470	2566
35°	2399	2470	2591
40°	2402	2478	2619
45°	2378	2484	2613
50°	2370	2474	2616
55°	2350	2467	2612
60°	2331	2432	2598
65°	2246	2403	2758
70°	2167	2410	3116
75°	1993	2767	3153
80°	1725	2827	3068
85°	1334	3149	3538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	0.5
10°-20°	82.6	1.6
20°-30°	127.9	2.5
30°-40°	157.9	3.1
40°-50°	168.2	3.3
50°-60°	156.9	3.0
60°-70°	127.9	2.5
70°-80°	88.4	1.7
80°-90°	34.5	0.7
90°-100°	308.7	6.0
100°-110°	779.9	15.1
110°-120°	807.0	15.6
120°-130°	718.7	13.9
130°-140°	598.8	11.6
140°-150°	456.3	8.8
150°-160°	307.1	5.9
160°-170°	166.5	3.2
170°-180°	51.1	1.0
0°-30°	238.9	4.6
0°-40°	396.8	7.7
0°-60°	722.0	14.0
0°-90°	972.9	18.8
90°-120°	1895.6	36.7
90°-150°	3669.3	71.0
90°-180°	4194.0	81.2
0°-180°	5166.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	299	299	299	299	299	
5°	301	299	297	298	296	29
15°	290	291	291	294	294	82
25°	270	273	276	282	285	125
35°	243	245	251	260	263	152
45°	208	211	218	225	229	161
55°	167	170	175	180	186	149
65°	118	121	126	137	144	117
75°	64	68	89	100	101	68
85°	14	27	34	38	38	17
90°	2	3	3	2	2	5
95°	43	338	265	42	41	43
105°	128	538	839	992	1039	136
115°	225	556	908	1129	1169	222
125°	312	569	870	1055	1108	279
135°	388	586	821	979	1028	300
145°	449	575	759	882	927	281
155°	490	546	686	772	799	226
165°	517	531	578	634	654	146
175°	527	528	529	534	531	50
180°	527	527	527	527	527	



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CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	299.0	299.0	299.0	299.0	299.0
2.5°	303.2	299.0	297.0	298.0	295.9
5°	301.1	299.0	297.0	298.0	295.9
7.5°	299.0	298.0	295.9	298.0	295.9
10°	295.9	295.9	294.9	297.0	295.9
12.5°	294.9	293.9	293.9	295.9	294.9
15°	289.8	290.8	290.8	293.9	293.9
17.5°	286.7	287.7	288.7	292.9	292.9
20°	280.5	283.6	285.6	290.8	290.8
22.5°	276.4	278.4	280.5	286.7	287.7
25°	270.2	273.3	276.4	282.5	284.6
27.5°	264.0	267.1	271.2	278.4	280.5
30°	256.8	260.9	265.0	272.2	275.3
32.5°	250.6	253.7	258.8	267.1	269.1
35°	243.4	245.4	250.6	259.9	262.9
37.5°	235.1	237.2	243.4	251.6	255.7
40°	227.9	230.0	235.1	243.4	248.5
42.5°	217.6	220.7	226.9	234.1	239.2
45°	208.3	211.4	217.6	224.8	228.9
47.5°	199.0	202.1	207.3	214.5	218.6
50°	188.7	191.8	197.0	204.2	208.3
52.5°	178.4	181.5	186.6	192.8	197.0
55°	167.0	170.1	175.3	180.5	185.6
57.5°	155.7	158.8	162.9	169.1	174.3
60°	144.4	146.4	150.6	157.8	160.9
62.5°	132.0	134.1	138.2	145.4	152.6
65°	117.6	120.6	125.8	137.1	144.4
67.5°	105.2	107.2	112.4	128.9	140.2
70°	91.8	94.9	102.1	125.8	132.0
72.5°	78.4	81.5	94.9	115.5	118.6
75°	63.9	68.1	88.7	100.0	101.1
77.5°	50.5	55.7	76.3	82.5	83.5
80°	37.1	46.4	60.8	65.0	66.0
82.5°	24.7	39.2	45.4	50.5	50.5
85°	14.4	26.8	34.0	38.2	38.2
87.5°	8.2	17.5	25.8	29.9	28.9
90°	2.1	3.1	3.1	2.1	2.1
92.5°	23.7	75.3	20.6	19.6	19.6
95°	43.3	338.2	265.0	42.3	41.2
97.5°	61.9	410.4	708.4	856.9	707.4
100°	82.5	496.0	751.7	929.1	979.6
102.5°	105.2	525.9	793.0	954.9	1008.5
105°	127.9	538.3	839.4	992.0	1039.4
107.5°	152.6	546.5	897.1	1021.9	1068.3
110°	177.4	550.6	930.1	1059.0	1096.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	201.1	553.7	915.7	1101.3	1134.3
115°	224.8	555.8	908.5	1129.1	1169.3
117.5°	246.4	558.9	899.2	1103.4	1171.4
120°	268.1	562.0	889.9	1085.8	1144.6
122.5°	291.8	566.1	879.6	1071.4	1126.0
125°	312.4	569.2	870.3	1054.9	1108.5
127.5°	333.1	572.3	859.0	1037.4	1091.0
130°	352.7	579.5	848.7	1019.8	1070.4
132.5°	370.2	583.6	836.3	1000.2	1049.7
135°	387.7	585.7	820.8	978.6	1028.1
137.5°	406.3	584.7	806.4	958.0	1005.4
140°	420.7	583.6	790.9	933.2	980.6
142.5°	436.2	580.5	775.4	908.5	953.8
145°	448.6	575.4	758.9	881.7	927.0
147.5°	460.9	569.2	744.5	853.8	895.1
150°	471.2	559.9	729.0	823.9	863.1
152.5°	480.5	552.7	708.4	797.1	829.1
155°	489.8	546.5	685.7	772.3	799.2
157.5°	498.1	542.4	661.0	742.4	771.3
160°	506.3	537.2	633.1	710.5	734.2
162.5°	511.5	534.1	604.3	672.3	691.9
165°	516.6	531.1	577.5	634.2	653.8
167.5°	519.7	529.0	558.9	594.0	611.5
170°	523.8	528.0	544.5	565.1	569.2
172.5°	525.9	528.0	535.2	545.5	546.5
175°	526.9	528.0	529.0	534.1	531.1
177.5°	528.0	529.0	525.9	529.0	524.9
180°	526.9	526.9	526.9	526.9	526.9

(END OF REPORT)