

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: P275257

Luminaire Tested: **J3-UL-80L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275257  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-80L92765-1D-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: 6834.1 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

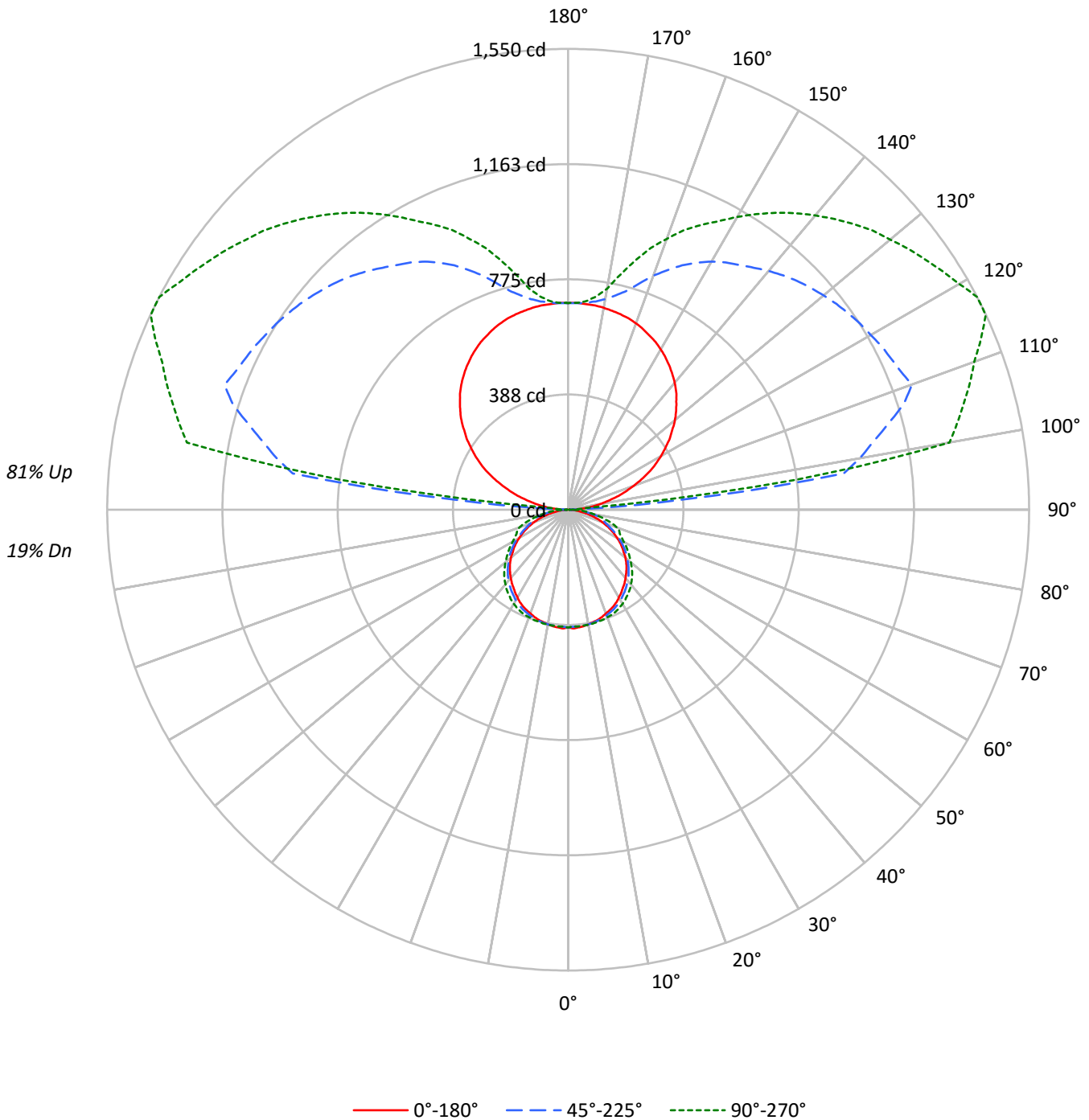
Input Watts (W): 62.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3199	3199	3199
5°	3220	3193	3193
10°	3211	3211	3221
15°	3208	3227	3255
20°	3191	3249	3308
25°	3197	3267	3369
30°	3177	3282	3409
35°	3158	3281	3437
40°	3162	3282	3460
45°	3167	3283	3478
50°	3157	3270	3455
55°	3123	3251	3458
60°	3071	3218	3473
65°	3007	3179	3654
70°	2858	3208	4116
75°	2648	3674	4133
80°	2264	3738	4105
85°	1778	4196	4715



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.6	0.6
10°-20°	109.4	1.6
20°-30°	169.6	2.5
30°-40°	209.2	3.1
40°-50°	222.9	3.3
50°-60°	207.8	3.0
60°-70°	169.8	2.5
70°-80°	117.0	1.7
80°-90°	46.3	0.7
90°-100°	402.7	5.9
100°-110°	1032.2	15.1
110°-120°	1068.8	15.6
120°-130°	951.6	13.9
130°-140°	792.3	11.6
140°-150°	603.3	8.8
150°-160°	405.9	5.9
160°-170°	220.0	3.2
170°-180°	67.5	1.0
0°-30°	316.7	4.6
0°-40°	525.8	7.7
0°-60°	956.6	14.0
0°-90°	1289.7	18.9
90°-120°	2503.7	36.6
90°-150°	4850.9	71.0
90°-180°	5544.0	81.1
0°-180°	6834.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	396	396	396	396	396	
5°	397	396	394	394	394	38
15°	384	385	386	391	390	108
25°	359	361	367	375	378	165
35°	320	325	333	343	349	201
45°	277	280	288	298	305	214
55°	222	225	231	239	246	198
65°	157	161	166	182	191	155
75°	85	91	118	131	132	90
85°	19	36	45	52	51	23
90°	2	3	4	3	3	6
95°	57	448	376	56	54	56
105°	170	712	1113	1314	1377	179
115°	300	738	1199	1493	1549	295
125°	417	755	1150	1397	1466	371
135°	514	776	1088	1295	1359	397
145°	592	759	1004	1170	1219	371
155°	646	722	907	1024	1056	299
165°	680	703	762	838	866	192
175°	694	697	699	703	704	66
180°	695	695	695	695	695	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	396.3	396.3	396.3	396.3	396.3
2.5°	399.7	397.4	394.0	394.0	392.9
5°	397.4	396.3	394.0	394.0	394.0
7.5°	395.1	395.1	392.9	394.0	392.9
10°	391.7	392.9	391.7	394.0	392.9
12.5°	387.2	389.5	389.5	392.9	391.7
15°	383.8	385.0	386.1	390.6	389.5
17.5°	378.2	380.4	382.7	388.4	388.4
20°	371.4	374.8	378.2	385.0	385.0
22.5°	365.7	369.1	372.5	380.4	382.7
25°	358.9	361.2	366.8	374.8	378.2
27.5°	351.0	353.3	360.0	368.0	372.5
30°	340.8	345.3	352.1	361.2	365.7
32.5°	331.7	336.3	341.9	353.3	357.8
35°	320.4	324.9	332.9	343.1	348.7
37.5°	311.4	315.9	322.7	332.9	339.7
40°	300.0	303.4	311.4	321.6	328.3
42.5°	288.7	293.2	300.0	311.4	317.0
45°	277.4	279.7	287.6	297.8	304.6
47.5°	264.9	267.2	274.0	285.3	289.8
50°	251.4	254.7	260.4	270.6	275.1
52.5°	235.5	240.0	246.8	254.7	260.4
55°	221.9	225.3	231.0	238.9	245.7
57.5°	207.2	210.6	216.3	224.2	231.0
60°	190.2	193.6	199.3	209.5	215.1
62.5°	173.2	177.8	182.3	192.5	202.7
65°	157.4	160.8	166.4	182.3	191.3
67.5°	139.3	143.8	149.5	172.1	185.7
70°	121.1	125.7	135.9	166.4	174.4
72.5°	104.2	107.6	124.5	154.0	156.2
75°	84.9	90.6	117.8	131.3	132.5
77.5°	65.7	73.6	100.8	109.8	111.0
80°	48.7	61.1	80.4	87.2	88.3
82.5°	34.0	52.1	62.3	67.9	67.9
85°	19.2	36.2	45.3	52.1	50.9
87.5°	11.3	23.8	34.0	39.6	38.5
90°	2.3	3.4	4.5	3.4	3.4
92.5°	29.4	95.1	26.0	26.0	24.9
95°	56.6	448.4	375.9	55.5	54.3
97.5°	81.5	544.6	934.1	1115.2	775.6
100°	109.8	647.6	995.2	1228.5	1302.1
102.5°	137.0	691.8	1049.6	1265.8	1339.4
105°	169.8	712.2	1113.0	1314.5	1376.8
107.5°	201.5	722.4	1183.2	1356.4	1416.4
110°	233.2	729.1	1229.6	1404.0	1452.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	266.1	733.7	1211.5	1460.6	1502.5
115°	300.0	738.2	1199.0	1493.4	1548.9
117.5°	330.6	741.6	1188.8	1461.7	1550.0
120°	360.0	746.1	1175.2	1439.0	1518.3
122.5°	387.2	751.8	1163.9	1418.7	1492.3
125°	416.7	755.2	1150.3	1397.2	1466.2
127.5°	441.6	759.7	1136.7	1371.1	1441.3
130°	468.7	767.6	1120.9	1348.5	1413.0
132.5°	492.5	773.3	1105.0	1323.6	1389.2
135°	514.0	775.6	1088.1	1295.3	1358.7
137.5°	537.8	774.4	1068.8	1267.0	1325.8
140°	557.1	769.9	1048.4	1236.4	1291.9
142.5°	575.2	766.5	1025.8	1204.7	1256.8
145°	592.2	758.6	1004.3	1169.6	1219.4
147.5°	608.0	750.7	986.2	1133.4	1178.6
150°	622.7	739.3	963.5	1091.5	1136.7
152.5°	636.3	730.3	936.3	1055.2	1093.7
155°	646.5	722.4	906.9	1023.5	1056.4
157.5°	657.8	716.7	871.8	982.8	1017.9
160°	666.9	711.0	837.8	936.3	969.2
162.5°	674.8	706.5	798.2	891.1	922.8
165°	680.5	703.1	762.0	837.8	866.1
167.5°	685.0	699.7	738.2	782.4	809.5
170°	689.5	698.6	719.0	745.0	755.2
172.5°	692.9	698.6	706.5	719.0	723.5
175°	694.0	697.4	698.6	703.1	704.2
177.5°	696.3	698.6	695.2	696.3	696.3
180°	695.2	695.2	695.2	695.2	695.2

(END OF REPORT)