

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: P275050

Luminaire Tested: **J3-CL-60L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275050  
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-60L92765-1D-UNV-W2A-W-4 (4000K)  
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 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5104.6 lumens  
Efficiency: N/A  
Efficacy: 114.5 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

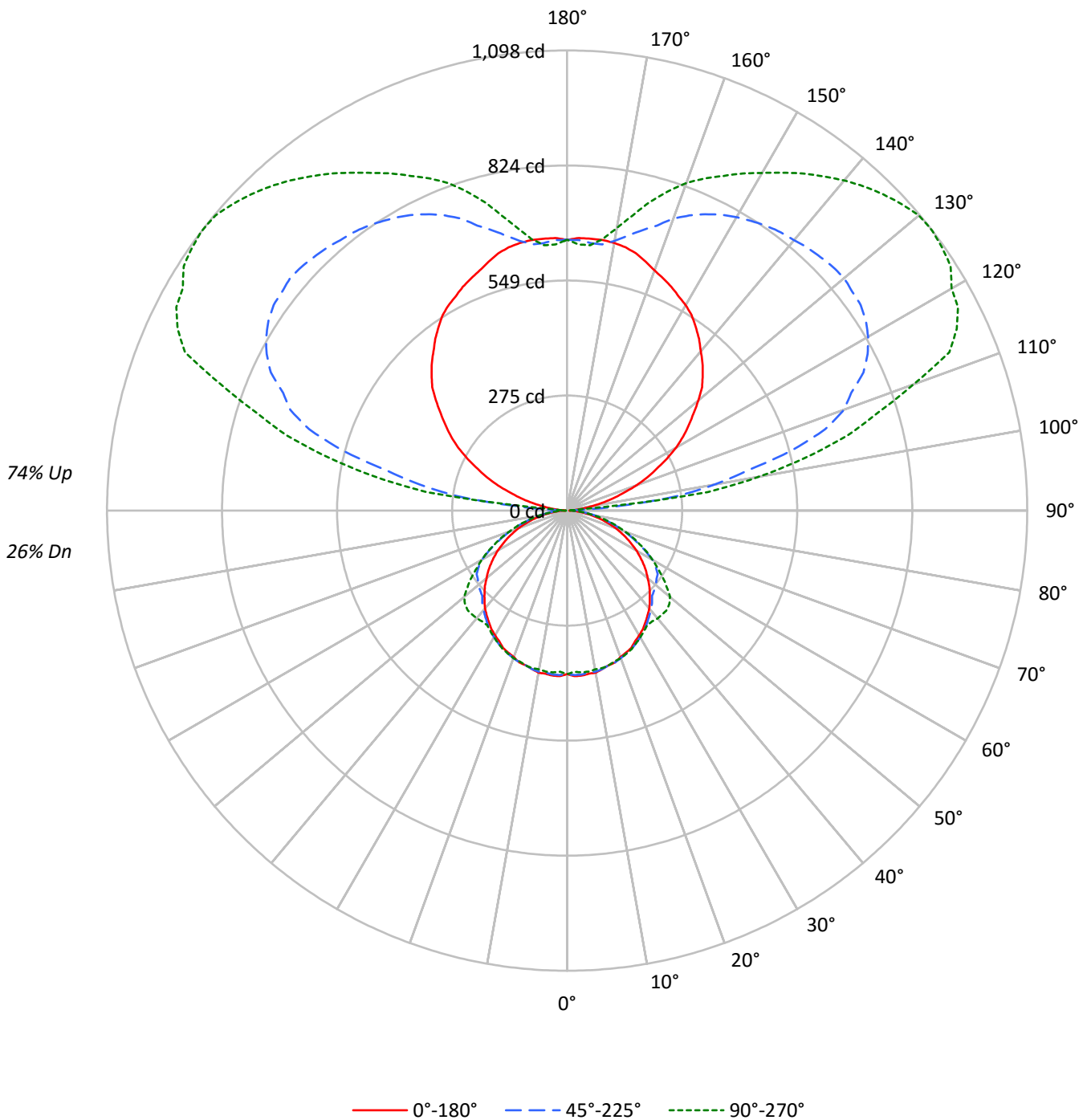
Input Watts (W): 44.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3149	3149	3149
5°	3203	3182	3140
10°	3219	3198	3155
15°	3196	3196	3196
20°	3196	3218	3218
25°	3222	3245	3245
30°	3203	3251	3251
35°	3208	3259	3285
40°	3213	3267	3540
45°	3185	3274	3835
50°	3147	3471	4024
55°	3127	3709	3927
60°	3087	3796	3796
65°	3011	3603	3652
70°	2927	3415	3477
75°	2739	3222	3303
80°	2524	3124	3003
85°	2390	3353	2871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.2	0.7
10°-20°	108.0	2.1
20°-30°	166.9	3.3
30°-40°	207.0	4.1
40°-50°	231.6	4.5
50°-60°	226.3	4.4
60°-70°	178.5	3.5
70°-80°	108.0	2.1
80°-90°	38.5	0.8
90°-100°	132.6	2.6
100°-110°	512.8	10.0
110°-120°	704.7	13.8
120°-130°	712.9	14.0
130°-140°	631.8	12.4
140°-150°	499.7	9.8
150°-160°	348.9	6.8
160°-170°	197.4	3.9
170°-180°	61.9	1.2
0°-30°	312.0	6.1
0°-40°	519.0	10.2
0°-60°	976.9	19.1
0°-90°	1302.0	25.5
90°-120°	1350.0	26.4
90°-150°	3194.4	62.6
90°-180°	3803.0	74.5
0°-180°	5104.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	390	390	390	390	390	
5°	395	390	393	390	388	38
15°	382	380	382	382	382	108
25°	362	356	364	364	364	166
35°	326	326	331	333	333	204
45°	279	282	287	323	336	215
55°	222	225	264	279	279	199
65°	158	165	189	191	191	155
75°	88	103	103	106	106	93
85°	26	41	36	34	31	27
90°	5	16	13	3	3	5
95°	21	103	124	26	26	26
105°	114	367	555	641	692	121
115°	235	496	780	966	1026	235
125°	354	574	855	1041	1093	317
135°	457	630	855	1023	1067	352
145°	535	646	829	951	982	334
155°	589	630	780	866	881	272
165°	636	633	692	752	762	179
175°	651	643	641	641	636	62
180°	646	646	646	646	646	



TEST NUMBER: P275050

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	390.1	390.1	390.1	390.1	390.1
2.5°	395.3	390.1	392.7	390.1	384.9
5°	395.3	390.1	392.7	390.1	387.5
7.5°	392.7	390.1	390.1	387.5	387.5
10°	392.7	387.5	390.1	387.5	384.9
12.5°	387.5	384.9	387.5	384.9	384.9
15°	382.4	379.8	382.4	382.4	382.4
17.5°	379.8	374.6	379.8	379.8	377.2
20°	372.0	369.4	374.6	374.6	374.6
22.5°	366.9	364.3	369.4	369.4	369.4
25°	361.7	356.5	364.3	364.3	364.3
27.5°	351.4	351.4	356.5	359.1	356.5
30°	343.6	341.0	348.8	351.4	348.8
32.5°	335.9	333.3	341.0	343.6	341.0
35°	325.5	325.5	330.7	333.3	333.3
37.5°	315.2	315.2	320.4	322.9	333.3
40°	304.9	304.9	310.0	325.5	335.9
42.5°	291.9	291.9	299.7	322.9	335.9
45°	279.0	281.6	286.8	322.9	335.9
47.5°	266.1	268.7	281.6	320.4	330.7
50°	250.6	255.8	276.4	312.6	320.4
52.5°	237.7	240.3	268.7	299.7	299.7
55°	222.2	224.8	263.5	279.0	279.0
57.5°	206.7	209.3	250.6	255.8	255.8
60°	191.2	193.8	235.1	235.1	235.1
62.5°	173.1	178.3	211.8	214.4	214.4
65°	157.6	165.3	188.6	191.2	191.2
67.5°	139.5	152.4	167.9	170.5	170.5
70°	124.0	139.5	144.7	147.3	147.3
72.5°	105.9	121.4	124.0	126.6	126.6
75°	87.8	103.3	103.3	105.9	105.9
77.5°	69.8	82.7	85.3	85.3	85.3
80°	54.3	62.0	67.2	64.6	64.6
82.5°	38.8	49.1	49.1	49.1	46.5
85°	25.8	41.3	36.2	33.6	31.0
87.5°	15.5	36.2	20.7	18.1	18.1
90°	5.2	15.5	12.9	2.6	2.6
92.5°	10.3	25.8	12.9	10.3	7.8
95°	20.7	103.3	124.0	25.8	25.8
97.5°	38.8	173.1	266.1	315.2	338.4
100°	59.4	258.3	356.5	436.6	465.0
102.5°	85.3	312.6	439.2	539.9	581.3
105°	113.7	366.9	555.4	640.7	692.4
107.5°	142.1	408.2	645.9	741.5	777.6
110°	175.7	441.8	702.7	868.0	878.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	206.7	467.6	733.7	930.1	986.9
115°	235.1	496.0	780.2	966.2	1025.6
117.5°	268.7	516.7	808.6	986.9	1051.5
120°	299.7	534.8	829.3	1012.7	1059.2
122.5°	328.1	555.4	844.8	1033.4	1085.1
125°	353.9	573.5	855.1	1041.1	1092.8
127.5°	379.8	589.0	857.7	1043.7	1098.0
130°	408.2	604.5	862.9	1041.1	1095.4
132.5°	436.6	620.0	860.3	1033.4	1082.5
135°	457.3	630.4	855.1	1023.1	1067.0
137.5°	477.9	638.1	850.0	1007.6	1048.9
140°	496.0	643.3	842.2	989.5	1028.2
142.5°	516.7	645.9	837.0	971.4	1005.0
145°	534.8	645.9	829.3	950.7	981.7
147.5°	552.9	643.3	819.0	930.1	955.9
150°	565.8	638.1	808.6	909.4	930.1
152.5°	576.1	633.0	795.7	886.1	906.8
155°	589.0	630.4	780.2	865.5	881.0
157.5°	599.4	630.4	762.1	842.2	857.7
160°	609.7	630.4	741.5	819.0	831.9
162.5°	622.6	630.4	713.0	785.4	798.3
165°	635.5	633.0	692.4	751.8	762.1
167.5°	643.3	633.0	671.7	710.5	720.8
170°	648.5	638.1	653.6	682.0	684.6
172.5°	651.0	643.3	640.7	653.6	653.6
175°	651.0	643.3	640.7	640.7	635.5
177.5°	651.0	645.9	645.9	643.3	635.5
180°	645.9	645.9	645.9	645.9	645.9

(END OF REPORT)