

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: P275048

Luminaire Tested: **J3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275048  
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 (3000K)  
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 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4711.5 lumens  
Efficiency: N/A  
Efficacy: 107.8 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

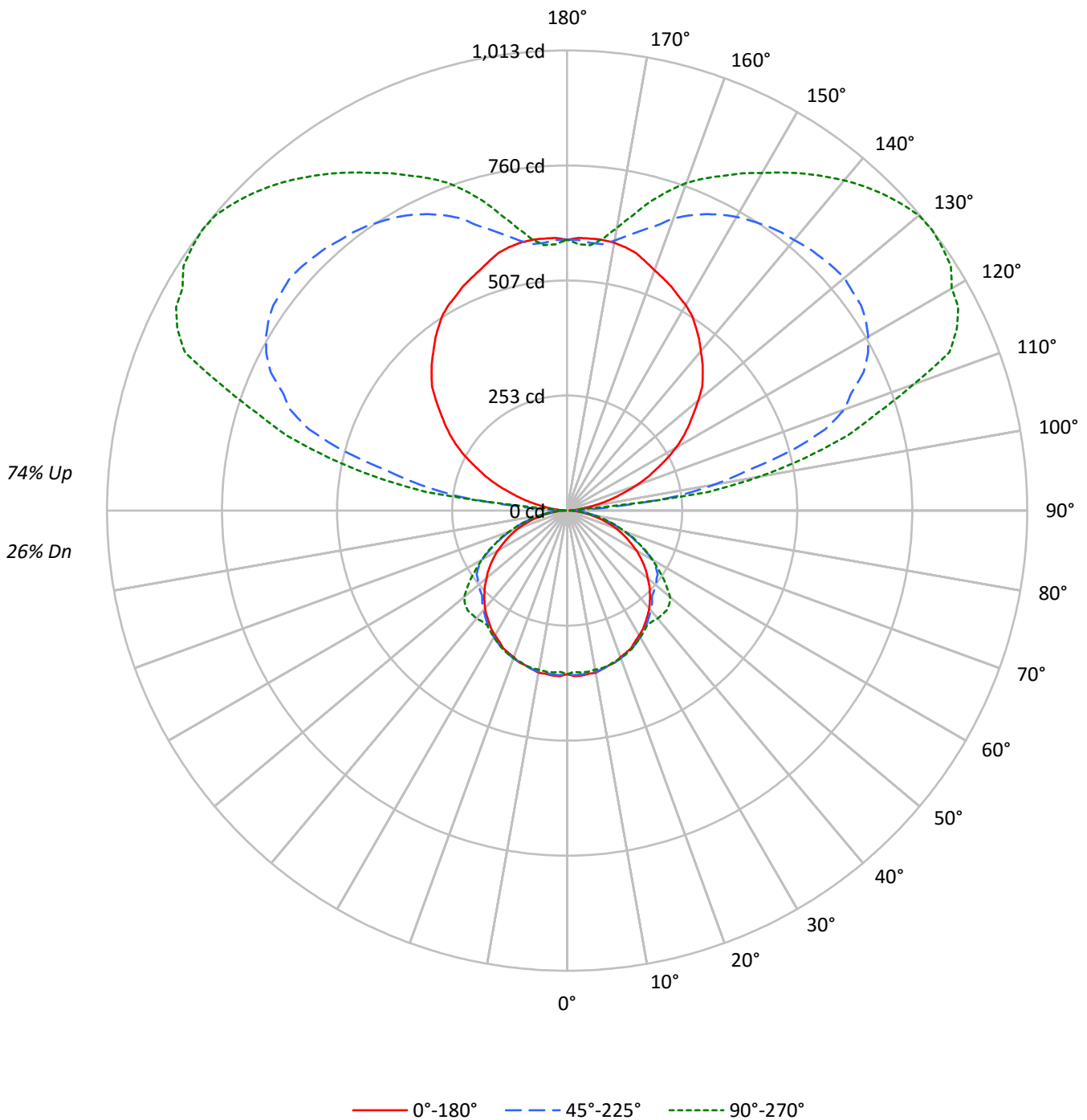
Input Watts (W): 43.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2907	2907	2907
5°	2956	2937	2899
10°	2971	2952	2913
15°	2949	2949	2949
20°	2950	2971	2971
25°	2973	2995	2995
30°	2956	3001	3001
35°	2961	3008	3031
40°	2966	3015	3267
45°	2940	3022	3539
50°	2905	3204	3714
55°	2887	3423	3624
60°	2850	3504	3504
65°	2779	3326	3372
70°	2703	3151	3208
75°	2530	2976	3051
80°	2329	2882	2771
85°	2205	3094	2649



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.3	0.7
10°-20°	99.6	2.1
20°-30°	154.0	3.3
30°-40°	191.0	4.1
40°-50°	213.8	4.5
50°-60°	208.9	4.4
60°-70°	164.8	3.5
70°-80°	99.7	2.1
80°-90°	35.5	0.8
90°-100°	122.4	2.6
100°-110°	473.3	10.0
110°-120°	650.4	13.8
120°-130°	658.0	14.0
130°-140°	583.2	12.4
140°-150°	461.2	9.8
150°-160°	322.0	6.8
160°-170°	182.2	3.9
170°-180°	57.1	1.2
0°-30°	288.0	6.1
0°-40°	479.0	10.2
0°-60°	901.7	19.1
0°-90°	1201.7	25.5
90°-120°	1246.0	26.4
90°-150°	2948.4	62.6
90°-180°	3510.0	74.5
0°-180°	4711.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	360	360	360	360	360	
5°	365	360	362	360	358	35
15°	353	350	353	353	353	100
25°	334	329	336	336	336	153
35°	300	300	305	308	308	188
45°	258	260	265	298	310	199
55°	205	208	243	258	258	183
65°	146	153	174	176	176	143
75°	81	95	95	98	98	86
85°	24	38	33	31	29	25
90°	5	14	12	2	2	5
95°	19	95	114	24	24	24
105°	105	339	513	591	639	112
115°	217	458	720	892	947	216
125°	327	529	789	961	1009	292
135°	422	582	789	944	985	325
145°	494	596	765	878	906	309
155°	544	582	720	799	813	251
165°	587	584	639	694	703	165
175°	601	594	591	591	587	57
180°	596	596	596	596	596	



TEST NUMBER: P275048

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	360.1	360.1	360.1	360.1	360.1
2.5°	364.8	360.1	362.4	360.1	355.3
5°	364.8	360.1	362.4	360.1	357.7
7.5°	362.4	360.1	360.1	357.7	357.7
10°	362.4	357.7	360.1	357.7	355.3
12.5°	357.7	355.3	357.7	355.3	355.3
15°	352.9	350.5	352.9	352.9	352.9
17.5°	350.5	345.8	350.5	350.5	348.1
20°	343.4	341.0	345.8	345.8	345.8
22.5°	338.6	336.2	341.0	341.0	341.0
25°	333.8	329.1	336.2	336.2	336.2
27.5°	324.3	324.3	329.1	331.4	329.1
30°	317.1	314.8	321.9	324.3	321.9
32.5°	310.0	307.6	314.8	317.1	314.8
35°	300.4	300.4	305.2	307.6	307.6
37.5°	290.9	290.9	295.7	298.1	307.6
40°	281.4	281.4	286.1	300.4	310.0
42.5°	269.5	269.5	276.6	298.1	310.0
45°	257.5	259.9	264.7	298.1	310.0
47.5°	245.6	248.0	259.9	295.7	305.2
50°	231.3	236.1	255.1	288.5	295.7
52.5°	219.4	221.8	248.0	276.6	276.6
55°	205.1	207.5	243.2	257.5	257.5
57.5°	190.8	193.1	231.3	236.1	236.1
60°	176.5	178.8	217.0	217.0	217.0
62.5°	159.8	164.5	195.5	197.9	197.9
65°	145.5	152.6	174.1	176.5	176.5
67.5°	128.8	140.7	155.0	157.4	157.4
70°	114.5	128.8	133.5	135.9	135.9
72.5°	97.8	112.1	114.5	116.8	116.8
75°	81.1	95.4	95.4	97.8	97.8
77.5°	64.4	76.3	78.7	78.7	78.7
80°	50.1	57.2	62.0	59.6	59.6
82.5°	35.8	45.3	45.3	45.3	42.9
85°	23.8	38.2	33.4	31.0	28.6
87.5°	14.3	33.4	19.1	16.7	16.7
90°	4.8	14.3	11.9	2.4	2.4
92.5°	9.5	23.8	11.9	9.5	7.2
95°	19.1	95.4	114.5	23.8	23.8
97.5°	35.8	159.8	245.6	290.9	312.4
100°	54.8	238.5	329.1	403.0	429.2
102.5°	78.7	288.5	405.4	498.4	536.5
105°	104.9	338.6	512.7	591.4	639.1
107.5°	131.1	376.8	596.1	684.4	717.7
110°	162.1	407.8	648.6	801.2	810.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	190.8	431.6	677.2	858.4	910.9
115°	217.0	457.8	720.1	891.8	946.7
117.5°	248.0	476.9	746.4	910.9	970.5
120°	276.6	493.6	765.4	934.7	977.7
122.5°	302.8	512.7	779.7	953.8	1001.5
125°	326.7	529.4	789.3	961.0	1008.7
127.5°	350.5	543.7	791.7	963.3	1013.4
130°	376.8	558.0	796.4	961.0	1011.0
132.5°	403.0	572.3	794.0	953.8	999.1
135°	422.1	581.8	789.3	944.3	984.8
137.5°	441.1	589.0	784.5	930.0	968.1
140°	457.8	593.7	777.4	913.3	949.0
142.5°	476.9	596.1	772.6	896.6	927.6
145°	493.6	596.1	765.4	877.5	906.1
147.5°	510.3	593.7	755.9	858.4	882.3
150°	522.2	589.0	746.4	839.4	858.4
152.5°	531.7	584.2	734.4	817.9	837.0
155°	543.7	581.8	720.1	798.8	813.1
157.5°	553.2	581.8	703.4	777.4	791.7
160°	562.7	581.8	684.4	755.9	767.8
162.5°	574.7	581.8	658.1	724.9	736.8
165°	586.6	584.2	639.1	693.9	703.4
167.5°	593.7	584.2	620.0	655.7	665.3
170°	598.5	589.0	603.3	629.5	631.9
172.5°	600.9	593.7	591.4	603.3	603.3
175°	600.9	593.7	591.4	591.4	586.6
177.5°	600.9	596.1	596.1	593.7	586.6
180°	596.1	596.1	596.1	596.1	596.1

(END OF REPORT)