

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: P253456

Luminaire Tested: **J3-CL-60L83050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253456  
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-60L83050-1D-UNV-W2A-W-4 (4000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6084.6 lumens  
Efficiency: N/A  
Efficacy: 134.9 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

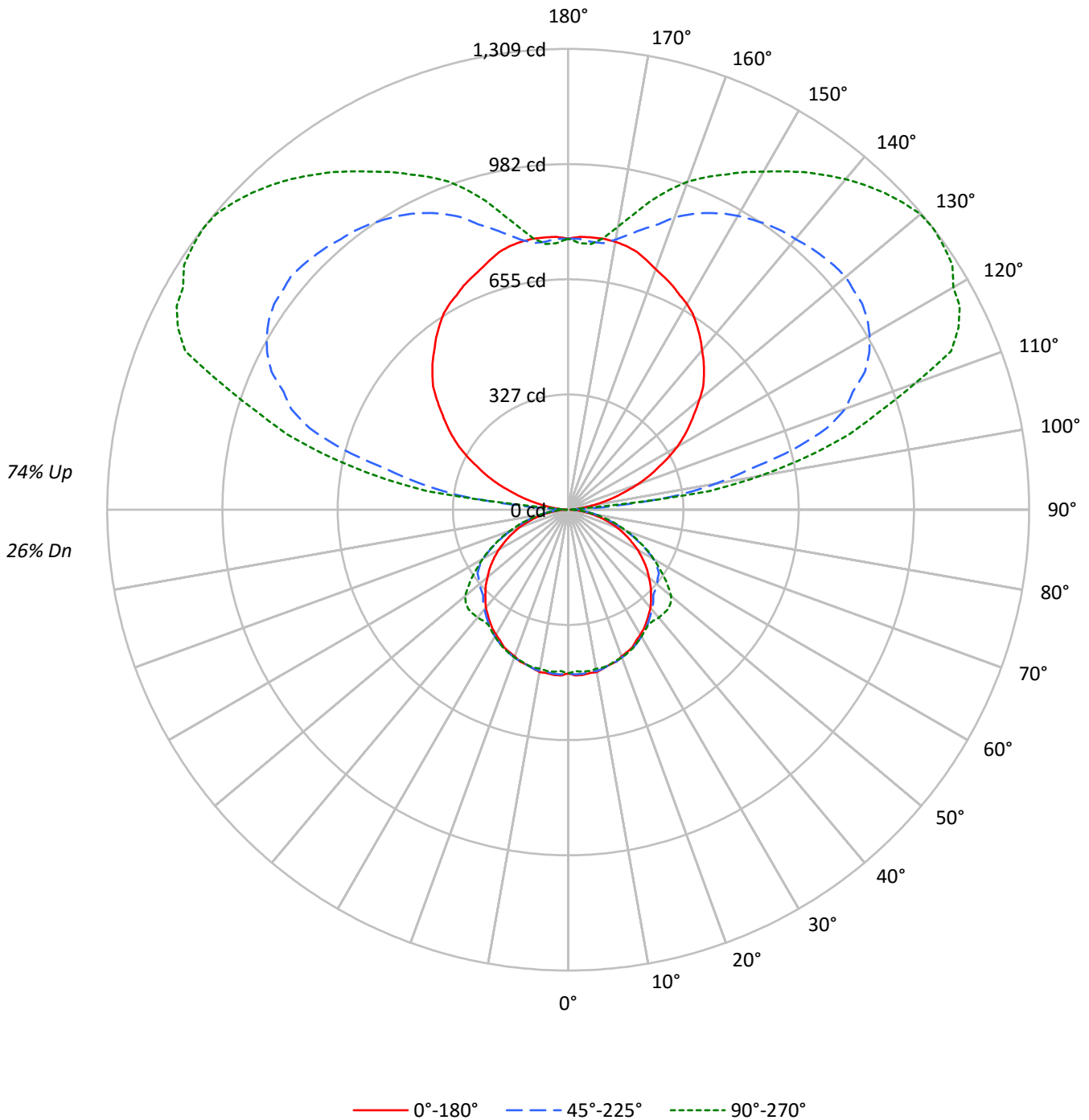
Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3754	3754	3754
5°	3819	3793	3743
10°	3837	3812	3761
15°	3809	3809	3809
20°	3809	3836	3836
25°	3840	3868	3868
30°	3818	3875	3875
35°	3824	3885	3915
40°	3830	3894	4219
45°	3797	3902	4570
50°	3751	4138	4796
55°	3727	4421	4681
60°	3680	4524	4524
65°	3587	4294	4353
70°	3489	4072	4142
75°	3266	3843	3939
80°	3008	3724	3580
85°	2853	3992	3427



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	0.7
10°-20°	128.7	2.1
20°-30°	198.9	3.3
30°-40°	246.7	4.1
40°-50°	276.1	4.5
50°-60°	269.8	4.4
60°-70°	212.8	3.5
70°-80°	128.8	2.1
80°-90°	45.9	0.8
90°-100°	158.0	2.6
100°-110°	611.2	10.0
110°-120°	840.0	13.8
120°-130°	849.8	14.0
130°-140°	753.1	12.4
140°-150°	595.6	9.8
150°-160°	415.9	6.8
160°-170°	235.4	3.9
170°-180°	73.8	1.2
0°-30°	371.9	6.1
0°-40°	618.6	10.2
0°-60°	1164.5	19.1
0°-90°	1551.9	25.5
90°-120°	1609.2	26.4
90°-150°	3807.7	62.6
90°-180°	4533.0	74.5
0°-180°	6084.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	465	465	465	465	465	
5°	471	465	468	465	462	45
15°	456	453	456	456	456	129
25°	431	425	434	434	434	198
35°	388	388	394	397	397	243
45°	333	336	342	385	400	257
55°	265	268	314	333	333	237
65°	188	197	225	228	228	185
75°	105	123	123	126	126	111
85°	31	49	43	40	37	32
90°	6	18	15	3	3	6
95°	25	123	148	31	31	31
105°	136	437	662	764	825	144
115°	280	591	930	1152	1223	280
125°	422	684	1019	1241	1303	377
135°	545	751	1019	1220	1272	420
145°	638	770	988	1133	1170	399
155°	702	751	930	1032	1050	324
165°	758	754	825	896	908	213
175°	776	767	764	764	758	74
180°	770	770	770	770	770	



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CATALOG NUMBER: J3-CL-60L83050-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	465.0	465.0	465.0	465.0	465.0
2.5°	471.2	465.0	468.1	465.0	458.8
5°	471.2	465.0	468.1	465.0	461.9
7.5°	468.1	465.0	465.0	461.9	461.9
10°	468.1	461.9	465.0	461.9	458.8
12.5°	461.9	458.8	461.9	458.8	458.8
15°	455.8	452.7	455.8	455.8	455.8
17.5°	452.7	446.5	452.7	452.7	449.6
20°	443.4	440.4	446.5	446.5	446.5
22.5°	437.3	434.2	440.4	440.4	440.4
25°	431.1	425.0	434.2	434.2	434.2
27.5°	418.8	418.8	425.0	428.0	425.0
30°	409.6	406.5	415.7	418.8	415.7
32.5°	400.3	397.3	406.5	409.6	406.5
35°	388.0	388.0	394.2	397.3	397.3
37.5°	375.7	375.7	381.9	384.9	397.3
40°	363.4	363.4	369.5	388.0	400.3
42.5°	348.0	348.0	357.2	384.9	400.3
45°	332.6	335.7	341.8	384.9	400.3
47.5°	317.2	320.3	335.7	381.9	394.2
50°	298.7	304.9	329.5	372.6	381.9
52.5°	283.3	286.4	320.3	357.2	357.2
55°	264.8	267.9	314.1	332.6	332.6
57.5°	246.4	249.4	298.7	304.9	304.9
60°	227.9	231.0	280.2	280.2	280.2
62.5°	206.3	212.5	252.5	255.6	255.6
65°	187.8	197.1	224.8	227.9	227.9
67.5°	166.3	181.7	200.2	203.2	203.2
70°	147.8	166.3	172.5	175.5	175.5
72.5°	126.3	144.7	147.8	150.9	150.9
75°	104.7	123.2	123.2	126.3	126.3
77.5°	83.1	98.5	101.6	101.6	101.6
80°	64.7	73.9	80.1	77.0	77.0
82.5°	46.2	58.5	58.5	58.5	55.4
85°	30.8	49.3	43.1	40.0	37.0
87.5°	18.5	43.1	24.6	21.6	21.6
90°	6.2	18.5	15.4	3.1	3.1
92.5°	12.3	30.8	15.4	12.3	9.2
95°	24.6	123.2	147.8	30.8	30.8
97.5°	46.2	206.3	317.2	375.7	403.4
100°	70.8	307.9	425.0	520.4	554.3
102.5°	101.6	372.6	523.5	643.6	692.9
105°	135.5	437.3	662.1	763.7	825.3
107.5°	169.4	486.6	769.9	883.8	926.9
110°	209.4	526.6	837.6	1034.7	1047.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	246.4	557.4	874.6	1108.6	1176.4
115°	280.2	591.3	930.0	1151.7	1222.6
117.5°	320.3	615.9	963.9	1176.4	1253.3
120°	357.2	637.5	988.5	1207.2	1262.6
122.5°	391.1	662.1	1007.0	1231.8	1293.4
125°	421.9	683.6	1019.3	1241.0	1302.6
127.5°	452.7	702.1	1022.4	1244.1	1308.8
130°	486.6	720.6	1028.5	1241.0	1305.7
132.5°	520.4	739.1	1025.5	1231.8	1290.3
135°	545.1	751.4	1019.3	1219.5	1271.8
137.5°	569.7	760.6	1013.1	1201.0	1250.3
140°	591.3	766.8	1003.9	1179.4	1225.6
142.5°	615.9	769.9	997.8	1157.9	1197.9
145°	637.5	769.9	988.5	1133.2	1170.2
147.5°	659.0	766.8	976.2	1108.6	1139.4
150°	674.4	760.6	963.9	1084.0	1108.6
152.5°	686.7	754.5	948.5	1056.3	1080.9
155°	702.1	751.4	930.0	1031.6	1050.1
157.5°	714.4	751.4	908.4	1003.9	1022.4
160°	726.8	751.4	883.8	976.2	991.6
162.5°	742.2	751.4	849.9	936.2	951.6
165°	757.6	754.5	825.3	896.1	908.4
167.5°	766.8	754.5	800.7	846.9	859.2
170°	772.9	760.6	779.1	813.0	816.1
172.5°	776.0	766.8	763.7	779.1	779.1
175°	776.0	766.8	763.7	763.7	757.6
177.5°	776.0	769.9	769.9	766.8	757.6
180°	769.9	769.9	769.9	769.9	769.9

(END OF REPORT)