

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: P275238

Luminaire Tested: **J3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275238  
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-60L82765-1D-UNV-W2A-W-4 (6500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6307.6 lumens  
Efficiency: N/A  
Efficacy: 137.1 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

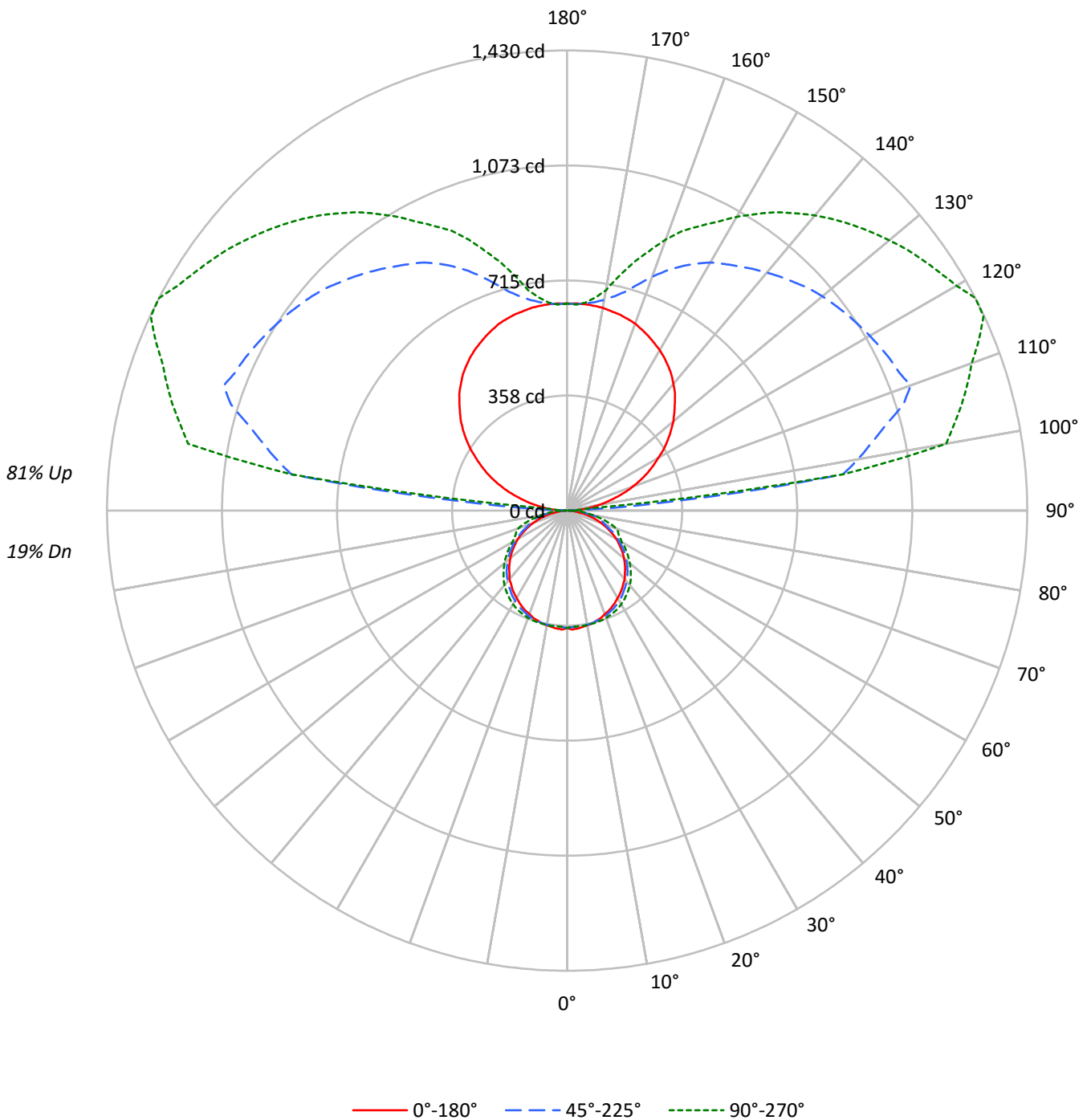
Input Watts (W): 46  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P275238

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P275238

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

**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°	2947	2947	2947
5°	2979	2938	2928
10°	2962	2951	2962
15°	2956	2967	2999
20°	2942	2996	3050
25°	2938	3005	3094
30°	2922	3016	3133
35°	2928	3015	3164
40°	2932	3025	3197
45°	2903	3032	3191
50°	2894	3019	3194
55°	2870	3012	3189
60°	2845	2968	3171
65°	2741	2934	3366
70°	2644	2941	3803
75°	2433	3378	3849
80°	2106	3454	3747
85°	1630	3844	4316



TEST NUMBER: P275238

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.7	0.5
10°-20°	100.8	1.6
20°-30°	156.2	2.5
30°-40°	192.8	3.1
40°-50°	205.4	3.3
50°-60°	191.6	3.0
60°-70°	156.2	2.5
70°-80°	107.9	1.7
80°-90°	42.1	0.7
90°-100°	376.9	6.0
100°-110°	952.1	15.1
110°-120°	985.2	15.6
120°-130°	877.3	13.9
130°-140°	730.9	11.6
140°-150°	557.0	8.8
150°-160°	374.9	5.9
160°-170°	203.2	3.2
170°-180°	62.4	1.0
0°-30°	291.6	4.6
0°-40°	484.4	7.7
0°-60°	881.4	14.0
0°-90°	1187.6	18.8
90°-120°	2314.1	36.7
90°-150°	4479.4	71.0
90°-180°	5120.0	81.2
0°-180°	6307.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	365	365	365	365	365	
5°	368	365	362	364	361	35
15°	354	355	355	359	359	100
25°	330	334	337	345	347	152
35°	297	300	306	317	321	186
45°	254	258	266	274	280	196
55°	204	208	214	220	227	182
65°	144	147	154	167	176	143
75°	78	83	108	122	123	83
85°	18	33	42	47	47	21
90°	2	4	4	2	2	6
95°	53	413	324	52	50	53
105°	156	657	1025	1211	1269	166
115°	274	678	1109	1378	1428	270
125°	381	695	1062	1288	1353	341
135°	473	715	1002	1195	1255	366
145°	548	702	926	1076	1132	343
155°	598	667	837	943	976	276
165°	631	648	705	774	798	178
175°	643	644	646	652	648	61
180°	643	643	643	643	643	



TEST NUMBER: P275238

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	365.1	365.1	365.1	365.1	365.1
2.5°	370.1	365.1	362.5	363.8	361.3
5°	367.6	365.1	362.5	363.8	361.3
7.5°	365.1	363.8	361.3	363.8	361.3
10°	361.3	361.3	360.0	362.5	361.3
12.5°	360.0	358.8	358.8	361.3	360.0
15°	353.7	355.0	355.0	358.8	358.8
17.5°	350.0	351.2	352.5	357.5	357.5
20°	342.4	346.2	348.7	355.0	355.0
22.5°	337.4	339.9	342.4	350.0	351.2
25°	329.8	333.6	337.4	344.9	347.4
27.5°	322.3	326.0	331.1	339.9	342.4
30°	313.5	318.5	323.5	332.3	336.1
32.5°	305.9	309.7	316.0	326.0	328.6
35°	297.1	299.6	305.9	317.2	321.0
37.5°	287.0	289.5	297.1	307.2	312.2
40°	278.2	280.7	287.0	297.1	303.4
42.5°	265.6	269.4	276.9	285.8	292.1
45°	254.3	258.1	265.6	274.4	279.5
47.5°	243.0	246.7	253.0	261.8	266.9
50°	230.4	234.1	240.4	249.3	254.3
52.5°	217.8	221.6	227.9	235.4	240.4
55°	203.9	207.7	214.0	220.3	226.6
57.5°	190.1	193.9	198.9	206.5	212.7
60°	176.2	178.8	183.8	192.6	196.4
62.5°	161.1	163.7	168.7	177.5	186.3
65°	143.5	147.3	153.6	167.4	176.2
67.5°	128.4	130.9	137.2	157.4	171.2
70°	112.0	115.8	124.6	153.6	161.1
72.5°	95.7	99.4	115.8	141.0	144.8
75°	78.0	83.1	108.3	122.1	123.4
77.5°	61.7	68.0	93.2	100.7	102.0
80°	45.3	56.6	74.3	79.3	80.6
82.5°	30.2	47.8	55.4	61.7	61.7
85°	17.6	32.7	41.5	46.6	46.6
87.5°	10.1	21.4	31.5	36.5	35.2
90°	2.5	3.8	3.8	2.5	2.5
92.5°	29.0	91.9	25.2	23.9	23.9
95°	52.9	412.9	323.5	51.6	50.4
97.5°	75.5	501.0	864.8	1046.1	863.6
100°	100.7	605.5	917.7	1134.2	1195.9
102.5°	128.4	642.0	968.1	1165.7	1231.2
105°	156.1	657.1	1024.7	1211.0	1268.9
107.5°	186.3	667.2	1095.2	1247.5	1304.2
110°	216.5	672.2	1135.5	1292.8	1338.2



TEST NUMBER: P275238

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	245.5	676.0	1117.9	1344.4	1384.7
115°	274.4	678.5	1109.0	1378.4	1427.5
117.5°	300.9	682.3	1097.7	1347.0	1430.1
120°	327.3	686.1	1086.4	1325.6	1397.3
122.5°	356.3	691.1	1073.8	1307.9	1374.7
125°	381.4	694.9	1062.5	1287.8	1353.3
127.5°	406.6	698.7	1048.6	1266.4	1331.9
130°	430.5	707.5	1036.0	1245.0	1306.7
132.5°	451.9	712.5	1020.9	1221.1	1281.5
135°	473.3	715.0	1002.0	1194.6	1255.1
137.5°	496.0	713.8	984.4	1169.5	1227.4
140°	513.6	712.5	965.5	1139.3	1197.2
142.5°	532.5	708.7	946.7	1109.0	1164.4
145°	547.6	702.4	926.5	1076.3	1131.7
147.5°	562.7	694.9	908.9	1042.3	1092.7
150°	575.3	683.6	890.0	1005.8	1053.7
152.5°	586.6	674.7	864.8	973.1	1012.1
155°	598.0	667.2	837.1	942.9	975.6
157.5°	608.0	662.2	806.9	906.4	941.6
160°	618.1	655.9	772.9	867.3	896.3
162.5°	624.4	652.1	737.7	820.8	844.7
165°	630.7	648.3	705.0	774.2	798.1
167.5°	634.5	645.8	682.3	725.1	746.5
170°	639.5	644.5	664.7	689.8	694.9
172.5°	642.0	644.5	653.3	665.9	667.2
175°	643.3	644.5	645.8	652.1	648.3
177.5°	644.5	645.8	642.0	645.8	640.8
180°	643.3	643.3	643.3	643.3	643.3

(END OF REPORT)