

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: P275061

Luminaire Tested: **J3-CL-80L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-80L82765-1D-UNV-W2A-W-4 (5700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7975.2 lumens  
Efficiency: N/A  
Efficacy: 124.6 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

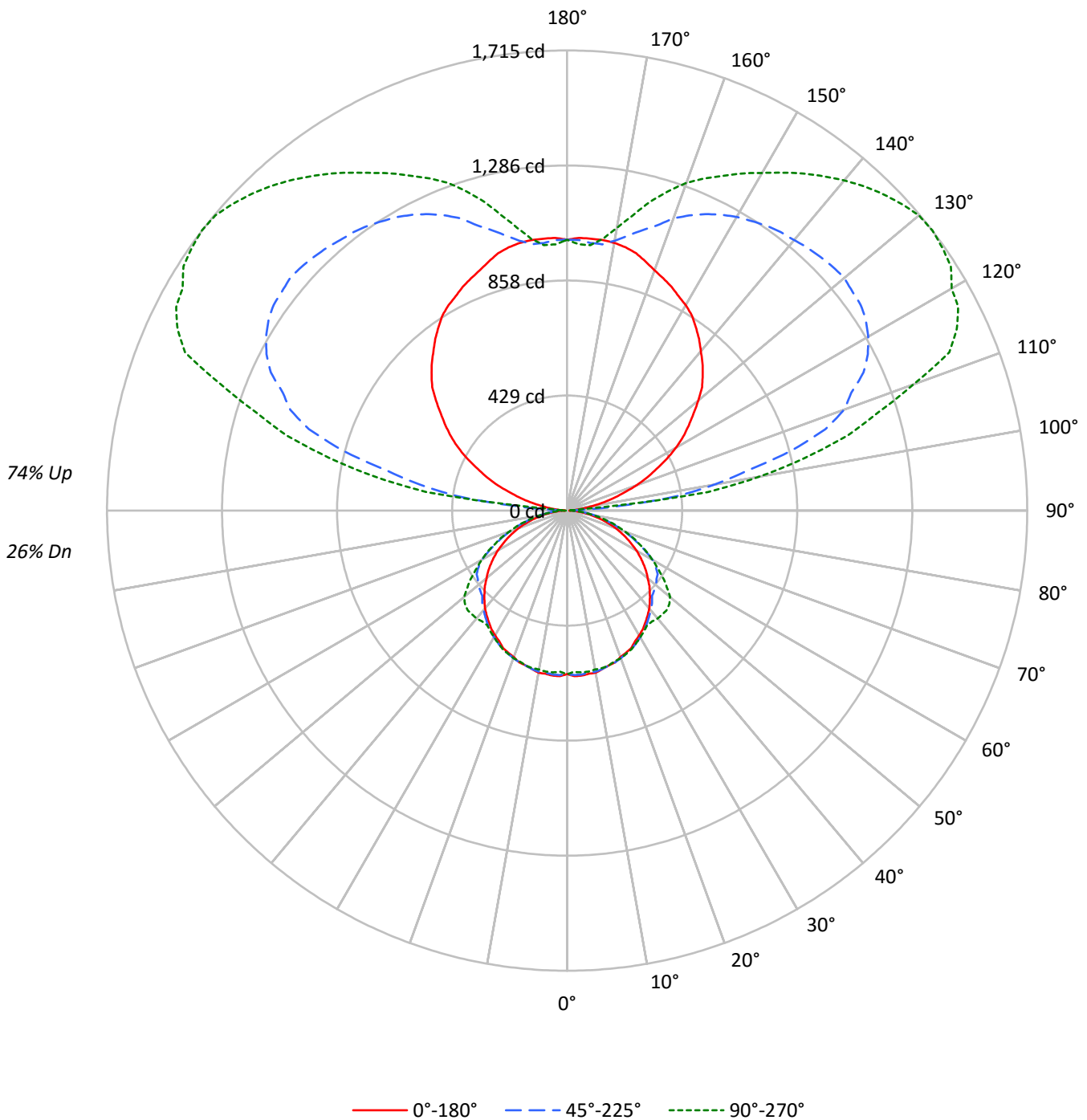
Input Watts (W): 64  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4920	4920	4920
5°	5005	4972	4906
10°	5029	4996	4930
15°	4993	4993	4993
20°	4993	5028	5028
25°	5034	5069	5069
30°	5004	5079	5079
35°	5012	5091	5132
40°	5019	5105	5530
45°	4977	5115	5990
50°	4917	5424	6286
55°	4885	5795	6135
60°	4823	5930	5930
65°	4703	5629	5706
70°	4572	5334	5431
75°	4279	5037	5162
80°	3942	4877	4691
85°	3742	5233	4483



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.1	0.7
10°-20°	168.7	2.1
20°-30°	260.7	3.3
30°-40°	323.4	4.1
40°-50°	361.8	4.5
50°-60°	353.6	4.4
60°-70°	278.9	3.5
70°-80°	168.8	2.1
80°-90°	60.1	0.8
90°-100°	207.1	2.6
100°-110°	801.1	10.0
110°-120°	1100.9	13.8
120°-130°	1113.8	14.0
130°-140°	987.1	12.4
140°-150°	780.7	9.8
150°-160°	545.1	6.8
160°-170°	308.5	3.9
170°-180°	96.7	1.2
0°-30°	487.5	6.1
0°-40°	810.8	10.2
0°-60°	1526.2	19.1
0°-90°	2034.1	25.5
90°-120°	2109.2	26.4
90°-150°	4990.8	62.6
90°-180°	5941.0	74.5
0°-180°	7975.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	618	610	614	610	605	59
15°	597	593	597	597	597	169
25°	565	557	569	569	569	259
35°	509	509	517	521	521	318
45°	436	440	448	504	525	336
55°	347	351	412	436	436	310
65°	246	258	295	299	299	243
75°	137	162	162	166	166	145
85°	40	65	56	52	48	42
90°	8	24	20	4	4	8
95°	32	162	194	40	40	40
105°	178	573	868	1001	1082	189
115°	367	775	1219	1510	1602	366
125°	553	896	1336	1627	1707	495
135°	714	985	1336	1598	1667	550
145°	836	1009	1296	1485	1534	523
155°	920	985	1219	1352	1376	424
165°	993	989	1082	1175	1191	279
175°	1017	1005	1001	1001	993	97
180°	1009	1009	1009	1009	1009	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	609.5	609.5	609.5	609.5	609.5
2.5°	617.6	609.5	613.5	609.5	601.4
5°	617.6	609.5	613.5	609.5	605.4
7.5°	613.5	609.5	609.5	605.4	605.4
10°	613.5	605.4	609.5	605.4	601.4
12.5°	605.4	601.4	605.4	601.4	601.4
15°	597.4	593.3	597.4	597.4	597.4
17.5°	593.3	585.3	593.3	593.3	589.3
20°	581.2	577.2	585.3	585.3	585.3
22.5°	573.2	569.1	577.2	577.2	577.2
25°	565.1	557.0	569.1	569.1	569.1
27.5°	548.9	548.9	557.0	561.0	557.0
30°	536.8	532.8	544.9	548.9	544.9
32.5°	524.7	520.7	532.8	536.8	532.8
35°	508.6	508.6	516.6	520.7	520.7
37.5°	492.4	492.4	500.5	504.5	520.7
40°	476.3	476.3	484.4	508.6	524.7
42.5°	456.1	456.1	468.2	504.5	524.7
45°	435.9	440.0	448.0	504.5	524.7
47.5°	415.7	419.8	440.0	500.5	516.6
50°	391.5	399.6	431.9	488.4	500.5
52.5°	371.3	375.4	419.8	468.2	468.2
55°	347.1	351.2	411.7	435.9	435.9
57.5°	322.9	326.9	391.5	399.6	399.6
60°	298.7	302.7	367.3	367.3	367.3
62.5°	270.4	278.5	331.0	335.0	335.0
65°	246.2	258.3	294.7	298.7	298.7
67.5°	218.0	238.1	262.4	266.4	266.4
70°	193.7	218.0	226.0	230.1	230.1
72.5°	165.5	189.7	193.7	197.8	197.8
75°	137.2	161.5	161.5	165.5	165.5
77.5°	109.0	129.2	133.2	133.2	133.2
80°	84.8	96.9	104.9	100.9	100.9
82.5°	60.5	76.7	76.7	76.7	72.7
85°	40.4	64.6	56.5	52.5	48.4
87.5°	24.2	56.5	32.3	28.3	28.3
90°	8.1	24.2	20.2	4.0	4.0
92.5°	16.1	40.4	20.2	16.1	12.1
95°	32.3	161.5	193.7	40.4	40.4
97.5°	60.5	270.4	415.7	492.4	528.8
100°	92.8	403.6	557.0	682.1	726.5
102.5°	133.2	488.4	686.2	843.6	908.2
105°	177.6	573.2	867.8	1001.0	1081.7
107.5°	222.0	637.7	1009.1	1158.4	1214.9
110°	274.5	690.2	1097.9	1356.2	1372.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	322.9	730.6	1146.3	1453.1	1541.9
115°	367.3	775.0	1219.0	1509.6	1602.4
117.5°	419.8	807.3	1263.4	1541.9	1642.8
120°	468.2	835.5	1295.7	1582.2	1654.9
122.5°	512.6	867.8	1319.9	1614.5	1695.2
125°	553.0	896.1	1336.0	1626.6	1707.4
127.5°	593.3	920.3	1340.1	1630.7	1715.4
130°	637.7	944.5	1348.1	1626.6	1711.4
132.5°	682.1	968.7	1344.1	1614.5	1691.2
135°	714.4	984.9	1336.0	1598.4	1667.0
137.5°	746.7	997.0	1327.9	1574.2	1638.7
140°	775.0	1005.0	1315.8	1545.9	1606.5
142.5°	807.3	1009.1	1307.8	1517.7	1570.1
145°	835.5	1009.1	1295.7	1485.4	1533.8
147.5°	863.8	1005.0	1279.5	1453.1	1493.4
150°	884.0	997.0	1263.4	1420.8	1453.1
152.5°	900.1	988.9	1243.2	1384.5	1416.7
155°	920.3	984.9	1219.0	1352.2	1376.4
157.5°	936.4	984.9	1190.7	1315.8	1340.1
160°	952.6	984.9	1158.4	1279.5	1299.7
162.5°	972.8	984.9	1114.0	1227.0	1247.2
165°	992.9	988.9	1081.7	1174.6	1190.7
167.5°	1005.0	988.9	1049.4	1110.0	1126.1
170°	1013.1	997.0	1021.2	1065.6	1069.6
172.5°	1017.1	1005.0	1001.0	1021.2	1021.2
175°	1017.1	1005.0	1001.0	1001.0	992.9
177.5°	1017.1	1009.1	1009.1	1005.0	992.9
180°	1009.1	1009.1	1009.1	1009.1	1009.1

(END OF REPORT)