

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: P275153

Luminaire Tested: **J3-FL-80L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275153  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-80L82765-1D-UNV-W2A-W-4 (3500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7475.9 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

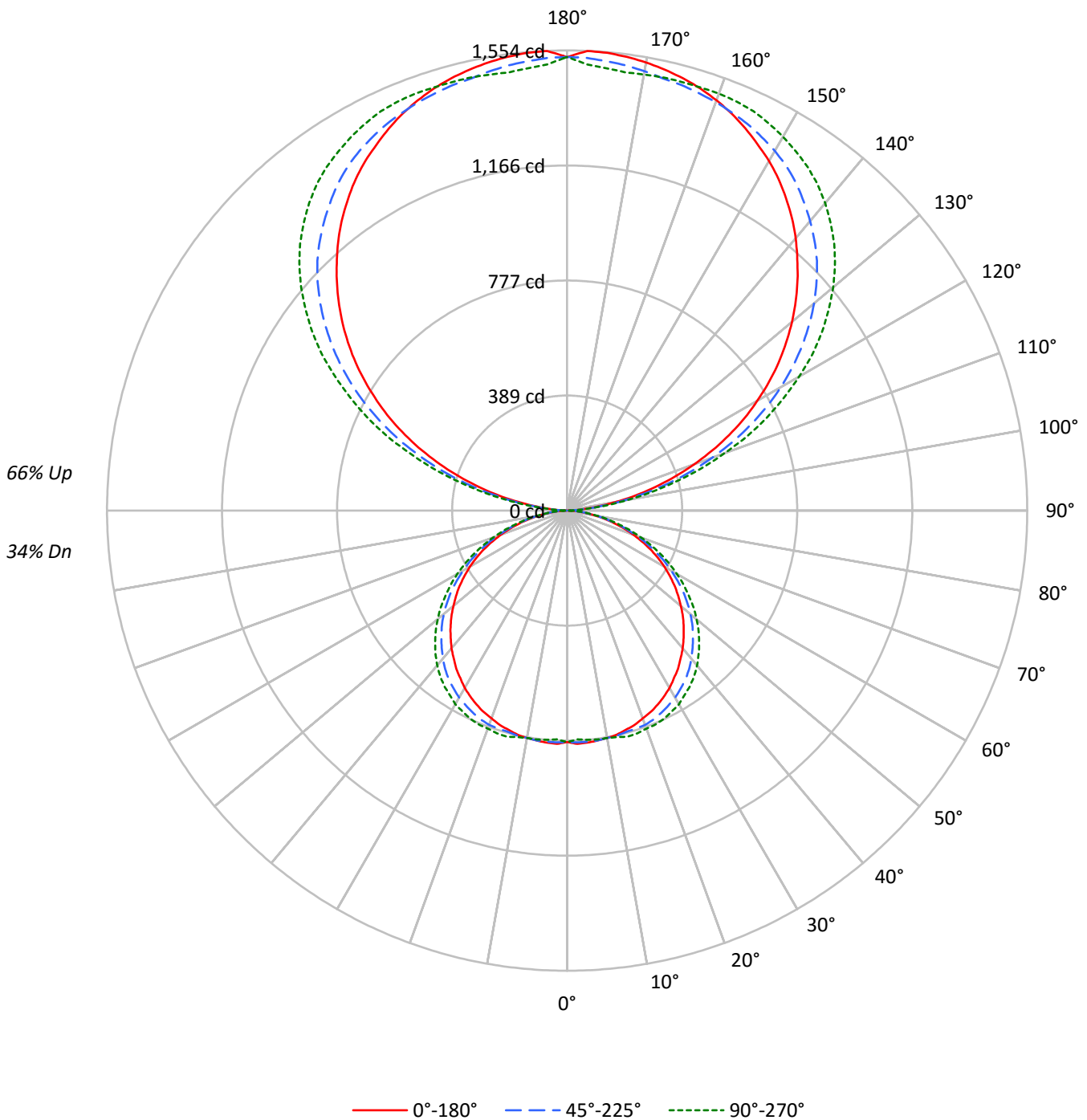
Input Watts (W): 62.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34				
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28				
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23				
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19				
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16				
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14				
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12				
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11				
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10				
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9				
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6311	6311	6311
5°	6376	6349	6293
10°	6393	6393	6393
15°	6406	6463	6605
20°	6413	6615	6731
25°	6442	6710	6904
30°	6444	6803	7039
35°	6431	6860	7127
40°	6401	6876	7194
45°	6359	6857	7201
50°	6298	6827	7164
55°	6232	6732	7058
60°	6118	6557	6907
65°	5927	6309	6669
70°	5585	5943	6253
75°	5128	5443	5705
80°	4454	4756	4923
85°	3566	3705	3900



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	1.0
10°-20°	219.3	2.9
20°-30°	345.4	4.6
30°-40°	431.6	5.8
40°-50°	460.1	6.2
50°-60°	424.3	5.7
60°-70°	325.8	4.4
70°-80°	184.6	2.5
80°-90°	48.7	0.7
90°-100°	78.4	1.0
100°-110°	368.8	4.9
110°-120°	668.5	8.9
120°-130°	858.7	11.5
130°-140°	913.5	12.2
140°-150°	840.5	11.2
150°-160°	665.6	8.9
160°-170°	422.6	5.7
170°-180°	144.9	1.9
0°-30°	639.3	8.6
0°-40°	1071.0	14.3
0°-60°	1955.3	26.2
0°-90°	2514.4	33.6
90°-120°	1115.7	14.9
90°-150°	3728.4	49.9
90°-180°	4962.0	66.4
0°-180°	7475.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	787	780	784	782	777	75
15°	766	763	773	787	790	217
25°	723	725	753	769	775	333
35°	652	664	696	713	723	408
45°	557	572	601	619	631	429
55°	443	456	478	494	502	395
65°	310	317	330	342	349	306
75°	164	168	174	181	183	175
85°	38	40	40	42	42	44
90°	2	2	2	0	0	5
95°	52	54	59	62	65	67
105°	309	322	352	374	384	327
115°	604	629	683	725	745	596
125°	872	899	968	1022	1050	778
135°	1101	1117	1193	1245	1275	849
145°	1289	1284	1349	1391	1416	806
155°	1424	1404	1441	1471	1488	657
165°	1512	1488	1488	1493	1498	427
175°	1552	1534	1523	1512	1500	148
180°	1532	1532	1532	1532	1532	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	781.7	781.7	781.7	781.7	781.7
2.5°	788.5	781.7	783.5	783.5	773.3
5°	786.8	779.9	783.5	781.7	776.6
7.5°	783.5	778.4	783.5	783.5	779.9
10°	779.9	775.1	779.9	781.7	779.9
12.5°	775.1	770.0	778.4	781.7	783.5
15°	766.5	763.2	773.3	786.8	790.3
17.5°	758.4	756.6	771.8	786.8	788.5
20°	746.5	746.5	770.0	781.7	783.5
22.5°	736.6	736.6	763.2	775.1	781.7
25°	723.2	724.7	753.3	768.6	775.1
27.5°	708.0	713.1	741.4	758.4	765.0
30°	691.3	699.6	729.8	746.5	755.1
32.5°	671.3	682.6	713.1	729.8	738.1
35°	652.5	664.4	696.1	713.1	723.2
37.5°	629.2	644.1	676.1	692.8	704.7
40°	607.4	622.7	652.5	671.3	682.6
42.5°	582.1	598.8	627.4	645.9	657.6
45°	557.0	571.9	600.6	619.1	630.7
47.5°	530.2	545.4	574.0	590.7	602.1
50°	501.5	518.2	543.6	560.3	570.4
52.5°	472.9	488.1	511.7	528.7	538.5
55°	442.8	456.2	478.3	493.5	501.5
57.5°	410.8	424.3	442.8	458.0	466.3
60°	378.9	389.1	406.1	421.0	427.8
62.5°	345.5	354.1	369.1	381.0	389.1
65°	310.3	317.1	330.3	342.2	349.1
67.5°	273.6	280.2	291.8	301.9	307.0
70°	236.6	243.2	251.8	259.9	264.9
72.5°	201.1	204.7	213.0	219.9	223.2
75°	164.4	167.7	174.5	181.1	182.9
77.5°	131.0	132.5	137.8	141.1	142.6
80°	95.8	99.1	102.3	103.8	105.9
82.5°	65.3	67.1	68.6	70.4	71.9
85°	38.5	40.0	40.0	42.1	42.1
87.5°	16.7	18.5	18.5	18.5	18.5
90°	1.8	1.8	1.8	0.0	0.0
92.5°	16.7	16.7	18.5	20.0	21.8
95°	51.9	53.7	58.8	62.1	65.3
97.5°	103.8	107.4	117.3	125.9	129.2
100°	167.7	174.5	189.8	201.1	206.5
102.5°	236.6	246.4	268.5	285.2	293.6
105°	308.8	322.2	352.4	374.1	384.3
107.5°	382.5	399.5	438.0	463.0	476.5
110°	456.2	478.3	520.0	553.4	563.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	530.2	553.4	603.9	640.9	659.4
115°	603.9	629.2	682.6	724.7	745.0
117.5°	674.6	701.1	759.9	807.0	825.2
120°	741.4	770.0	833.9	882.5	904.3
122.5°	808.5	835.7	902.5	954.4	981.6
125°	872.4	899.2	968.2	1021.6	1050.2
127.5°	932.9	957.7	1030.2	1085.4	1112.3
130°	991.4	1015.0	1088.7	1142.7	1172.8
132.5°	1046.9	1068.7	1142.7	1194.6	1226.5
135°	1100.6	1117.3	1192.8	1244.7	1275.2
137.5°	1150.7	1162.7	1236.7	1288.6	1317.2
140°	1201.2	1204.7	1276.6	1325.3	1355.4
142.5°	1246.5	1244.7	1313.6	1360.5	1389.1
145°	1288.6	1283.5	1348.8	1390.6	1416.0
147.5°	1328.6	1317.2	1379.0	1414.5	1437.8
150°	1363.8	1348.8	1402.6	1437.8	1457.7
152.5°	1393.9	1377.2	1422.5	1454.5	1474.5
155°	1424.3	1404.3	1441.0	1471.2	1488.2
157.5°	1451.2	1425.8	1454.5	1481.3	1495.0
160°	1474.5	1449.7	1467.9	1488.2	1498.3
162.5°	1495.0	1469.7	1478.0	1489.7	1498.3
165°	1511.7	1488.2	1488.2	1493.0	1498.3
167.5°	1524.9	1504.9	1495.0	1496.5	1498.3
170°	1536.8	1516.5	1506.4	1496.5	1495.0
172.5°	1545.2	1524.9	1516.5	1503.1	1493.0
175°	1551.7	1533.5	1523.1	1511.7	1499.8
177.5°	1553.5	1538.3	1529.9	1518.3	1508.2
180°	1531.7	1531.7	1531.7	1531.7	1531.7

(END OF REPORT)