

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: P253342

Luminaire Tested: **J3-FL-80L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253342
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-80L830-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
Light Source: (224) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

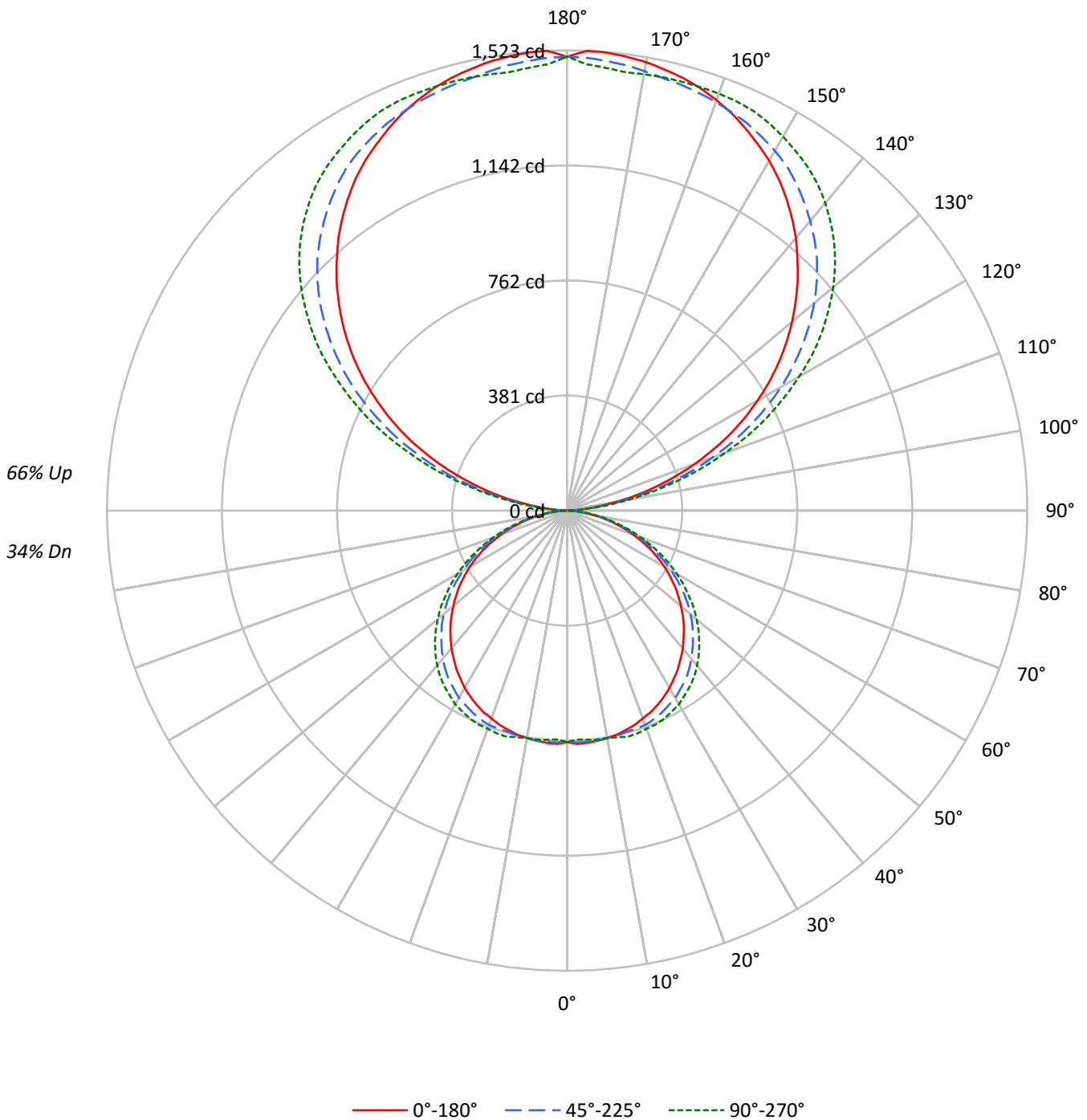
Lumens per Lamp: N/A
Luminaire Lumens: 7329.4 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 57.2
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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6187	6187	6187
5°	6250	6225	6170
10°	6268	6268	6268
15°	6281	6337	6476
20°	6288	6486	6599
25°	6315	6579	6769
30°	6317	6670	6901
35°	6304	6725	6987
40°	6276	6741	7053
45°	6235	6722	7060
50°	6175	6694	7024
55°	6110	6600	6921
60°	5998	6428	6773
65°	5811	6185	6537
70°	5476	5828	6130
75°	5028	5337	5593
80°	4365	4663	4826
85°	3492	3631	3816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	1.0
10°-20°	215.0	2.9
20°-30°	338.7	4.6
30°-40°	423.2	5.8
40°-50°	451.1	6.2
50°-60°	415.9	5.7
60°-70°	319.4	4.4
70°-80°	181.0	2.5
80°-90°	47.7	0.7
90°-100°	76.8	1.0
100°-110°	361.6	4.9
110°-120°	655.4	8.9
120°-130°	841.9	11.5
130°-140°	895.6	12.2
140°-150°	824.1	11.2
150°-160°	652.6	8.9
160°-170°	414.3	5.7
170°-180°	142.1	1.9
0°-30°	626.8	8.6
0°-40°	1050.0	14.3
0°-60°	1917.0	26.2
0°-90°	2465.1	33.6
90°-120°	1093.9	14.9
90°-150°	3655.4	49.9
90°-180°	4864.0	66.4
0°-180°	7329.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	771	765	768	766	761	73
15°	752	748	758	771	775	212
25°	709	710	739	754	760	327
35°	640	651	682	699	709	400
45°	546	561	589	607	618	421
55°	434	447	469	484	492	387
65°	304	311	324	336	342	300
75°	161	164	171	178	179	171
85°	38	39	39	41	41	43
90°	2	2	2	0	0	5
95°	51	53	58	61	64	66
105°	303	316	346	367	377	320
115°	592	617	669	710	730	584
125°	855	882	949	1002	1030	763
135°	1079	1095	1170	1220	1250	832
145°	1263	1258	1322	1363	1388	790
155°	1396	1377	1413	1442	1459	644
165°	1482	1459	1459	1464	1469	419
175°	1521	1504	1493	1482	1470	145
180°	1502	1502	1502	1502	1502	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	766.4	766.4	766.4	766.4	766.4
2.5°	773.1	766.4	768.1	768.1	758.2
5°	771.3	764.6	768.1	766.4	761.4
7.5°	768.1	763.2	768.1	768.1	764.6
10°	764.6	759.9	764.6	766.4	764.6
12.5°	759.9	755.0	763.2	766.4	768.1
15°	751.5	748.2	758.2	771.3	774.9
17.5°	743.6	741.8	756.7	771.3	773.1
20°	731.9	731.9	755.0	766.4	768.1
22.5°	722.2	722.2	748.2	759.9	766.4
25°	709.0	710.5	738.6	753.5	759.9
27.5°	694.1	699.1	726.9	743.6	750.0
30°	677.7	685.9	715.5	731.9	740.3
32.5°	658.1	669.3	699.1	715.5	723.7
35°	639.7	651.4	682.4	699.1	709.0
37.5°	616.9	631.5	662.8	679.2	690.9
40°	595.5	610.5	639.7	658.1	669.3
42.5°	570.7	587.1	615.1	633.3	644.7
45°	546.1	560.7	588.8	607.0	618.4
47.5°	519.8	534.7	562.8	579.2	590.3
50°	491.7	508.1	533.0	549.3	559.3
52.5°	463.6	478.5	501.7	518.3	528.0
55°	434.1	447.2	468.9	483.8	491.7
57.5°	402.8	415.9	434.1	449.0	457.2
60°	371.5	381.4	398.1	412.7	419.5
62.5°	338.7	347.2	361.8	373.5	381.4
65°	304.2	310.9	323.8	335.5	342.2
67.5°	268.2	274.7	286.1	296.0	301.0
70°	232.0	238.4	246.9	254.8	259.7
72.5°	197.2	200.7	208.9	215.6	218.8
75°	161.2	164.4	171.1	177.6	179.3
77.5°	128.4	129.9	135.1	138.4	139.8
80°	93.9	97.1	100.3	101.8	103.8
82.5°	64.1	65.8	67.3	69.0	70.5
85°	37.7	39.2	39.2	41.2	41.2
87.5°	16.4	18.1	18.1	18.1	18.1
90°	1.8	1.8	1.8	0.0	0.0
92.5°	16.4	16.4	18.1	19.6	21.4
95°	50.9	52.7	57.6	60.8	64.1
97.5°	101.8	105.3	115.0	123.4	126.7
100°	164.4	171.1	186.0	197.2	202.4
102.5°	232.0	241.6	263.3	279.6	287.8
105°	302.7	315.9	345.5	366.8	376.8
107.5°	375.0	391.7	429.4	454.0	467.1
110°	447.2	468.9	509.8	542.6	552.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	519.8	542.6	592.0	628.3	646.4
115°	592.0	616.9	669.3	710.5	730.4
117.5°	661.4	687.4	745.0	791.2	809.1
120°	726.9	755.0	817.6	865.2	886.6
122.5°	792.7	819.3	884.8	935.7	962.4
125°	855.3	881.6	949.2	1001.6	1029.6
127.5°	914.7	939.0	1010.0	1064.1	1090.5
130°	972.0	995.1	1067.4	1120.3	1149.9
132.5°	1026.4	1047.8	1120.3	1171.2	1202.5
135°	1079.1	1095.4	1169.5	1220.3	1250.2
137.5°	1128.2	1139.9	1212.4	1263.3	1291.4
140°	1177.6	1181.2	1251.6	1299.3	1328.9
142.5°	1222.1	1220.3	1287.9	1333.8	1361.9
145°	1263.3	1258.4	1322.4	1363.4	1388.2
147.5°	1302.5	1291.4	1352.0	1386.8	1409.6
150°	1337.1	1322.4	1375.1	1409.6	1429.2
152.5°	1366.6	1350.2	1394.7	1426.0	1445.6
155°	1396.4	1376.8	1412.8	1442.4	1459.0
157.5°	1422.8	1397.9	1426.0	1452.3	1465.8
160°	1445.6	1421.3	1439.1	1459.0	1469.0
162.5°	1465.8	1440.9	1449.1	1460.5	1469.0
165°	1482.1	1459.0	1459.0	1463.7	1469.0
167.5°	1495.0	1475.4	1465.8	1467.2	1469.0
170°	1506.7	1486.8	1476.9	1467.2	1465.8
172.5°	1514.9	1495.0	1486.8	1473.7	1463.7
175°	1521.3	1503.5	1493.3	1482.1	1470.4
177.5°	1523.1	1508.2	1500.0	1488.6	1478.6
180°	1501.7	1501.7	1501.7	1501.7	1501.7

(END OF REPORT)