

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: P275156

Luminaire Tested: **J3-FL-80L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275156
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7881.4 lumens
Efficiency: N/A
Efficacy: 123.7 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

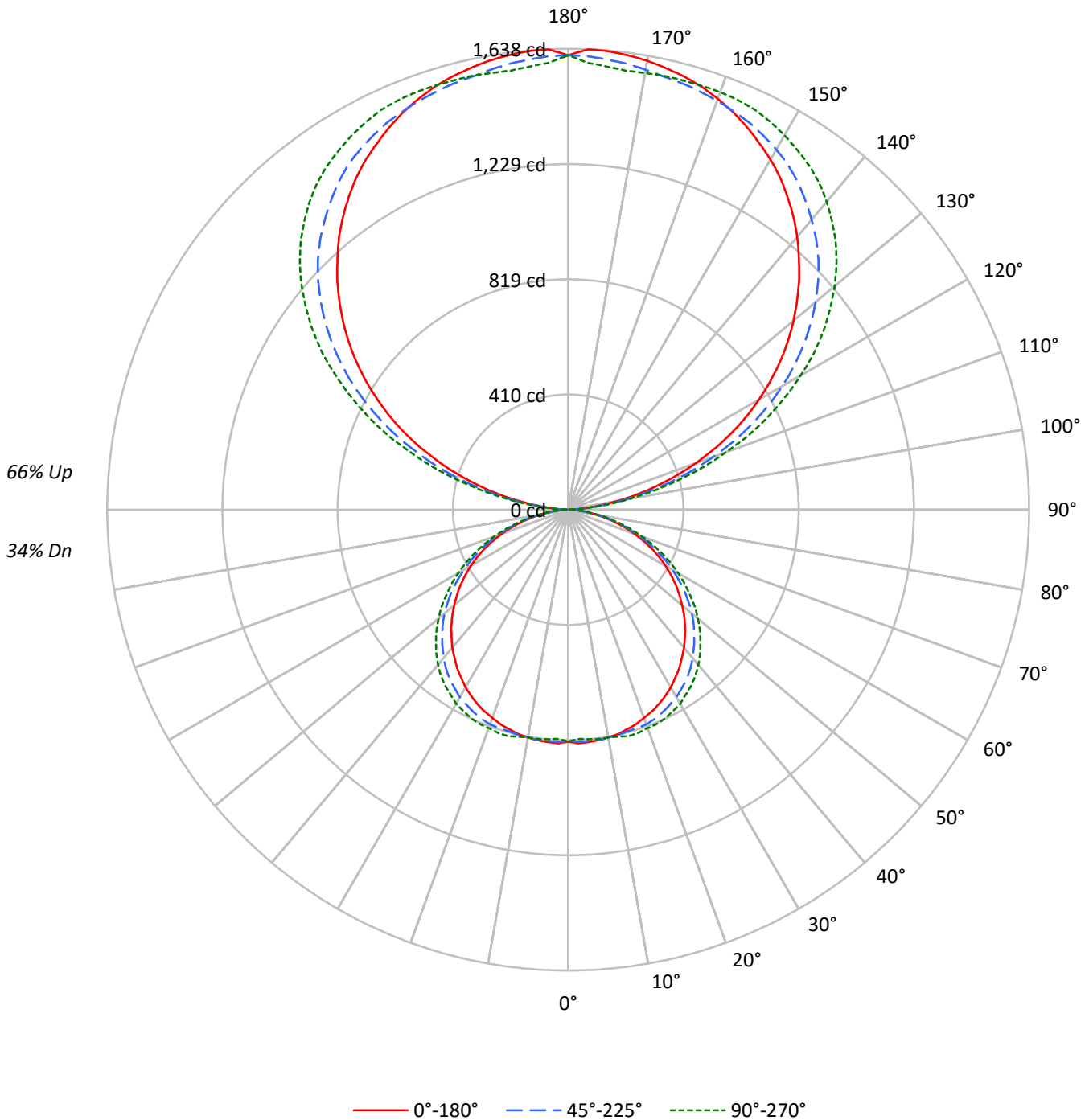
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6653	6653	6653
5°	6721	6694	6635
10°	6740	6740	6740
15°	6753	6814	6964
20°	6761	6974	7096
25°	6791	7074	7279
30°	6794	7172	7421
35°	6779	7232	7514
40°	6749	7249	7585
45°	6704	7229	7591
50°	6640	7198	7553
55°	6570	7096	7441
60°	6450	6912	7282
65°	6248	6651	7030
70°	5887	6267	6593
75°	5405	5739	6014
80°	4696	5016	5193
85°	3761	3900	4103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	1.0
10°-20°	231.2	2.9
20°-30°	364.2	4.6
30°-40°	455.0	5.8
40°-50°	485.0	6.2
50°-60°	447.3	5.7
60°-70°	343.5	4.4
70°-80°	194.6	2.5
80°-90°	51.3	0.7
90°-100°	82.6	1.0
100°-110°	388.8	4.9
110°-120°	704.8	8.9
120°-130°	905.3	11.5
130°-140°	963.1	12.2
140°-150°	886.1	11.2
150°-160°	701.7	8.9
160°-170°	445.5	5.7
170°-180°	152.8	1.9
0°-30°	674.0	8.6
0°-40°	1129.1	14.3
0°-60°	2061.3	26.2
0°-90°	2650.8	33.6
90°-120°	1176.2	14.9
90°-150°	3930.7	49.9
90°-180°	5231.0	66.4
0°-180°	7881.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	824	824	824	824	824	
5°	829	822	826	824	819	79
15°	808	805	815	829	833	228
25°	762	764	794	810	817	351
35°	688	700	734	752	762	430
45°	587	603	633	653	665	453
55°	467	481	504	520	529	417
65°	327	334	348	361	368	323
75°	173	177	184	191	193	184
85°	41	42	42	44	44	46
90°	2	2	2	0	0	5
95°	55	57	62	65	69	71
105°	326	340	372	394	405	344
115°	637	663	720	764	785	628
125°	920	948	1021	1077	1107	821
135°	1160	1178	1258	1312	1344	895
145°	1358	1353	1422	1466	1493	850
155°	1502	1480	1519	1551	1569	692
165°	1594	1569	1569	1574	1580	450
175°	1636	1617	1606	1594	1581	156
180°	1615	1615	1615	1615	1615	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	824.1	824.1	824.1	824.1	824.1
2.5°	831.3	824.1	826.0	826.0	815.3
5°	829.4	822.2	826.0	824.1	818.7
7.5°	826.0	820.6	826.0	826.0	822.2
10°	822.2	817.2	822.2	824.1	822.2
12.5°	817.2	811.8	820.6	824.1	826.0
15°	808.0	804.6	815.3	829.4	833.2
17.5°	799.6	797.7	813.7	829.4	831.3
20°	787.0	787.0	811.8	824.1	826.0
22.5°	776.6	776.6	804.6	817.2	824.1
25°	762.4	764.0	794.2	810.2	817.2
27.5°	746.4	751.7	781.6	799.6	806.5
30°	728.8	737.6	769.4	787.0	796.1
32.5°	707.7	719.7	751.7	769.4	778.2
35°	687.9	700.5	733.8	751.7	762.4
37.5°	663.4	679.1	712.7	730.4	742.9
40°	640.4	656.4	687.9	707.7	719.7
42.5°	613.7	631.3	661.5	681.0	693.2
45°	587.2	603.0	633.2	652.7	664.9
47.5°	558.9	575.0	605.2	622.8	634.7
50°	528.7	546.4	573.1	590.7	601.4
52.5°	498.5	514.6	539.4	557.4	567.7
55°	466.8	480.9	504.2	520.2	528.7
57.5°	433.1	447.3	466.8	482.8	491.6
60°	399.5	410.2	428.1	443.8	451.0
62.5°	364.2	373.4	389.1	401.7	410.2
65°	327.1	334.4	348.2	360.8	368.0
67.5°	288.4	295.3	307.6	318.3	323.7
70°	249.4	256.3	265.5	274.0	279.3
72.5°	212.0	215.8	224.6	231.8	235.3
75°	173.3	176.8	184.0	190.9	192.8
77.5°	138.1	139.7	145.3	148.8	150.3
80°	101.0	104.4	107.9	109.5	111.7
82.5°	68.9	70.8	72.3	74.2	75.8
85°	40.6	42.1	42.1	44.3	44.3
87.5°	17.6	19.5	19.5	19.5	19.5
90°	1.9	1.9	1.9	0.0	0.0
92.5°	17.6	17.6	19.5	21.1	23.0
95°	54.7	56.6	62.0	65.4	68.9
97.5°	109.5	113.2	123.6	132.7	136.2
100°	176.8	184.0	200.0	212.0	217.7
102.5°	249.4	259.8	283.1	300.7	309.5
105°	325.5	339.7	371.5	394.4	405.1
107.5°	403.2	421.2	461.7	488.2	502.3
110°	480.9	504.2	548.2	583.5	594.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	558.9	583.5	636.6	675.6	695.1
115°	636.6	663.4	719.7	764.0	785.4
117.5°	711.2	739.2	801.1	850.8	870.0
120°	781.6	811.8	879.1	930.4	953.4
122.5°	852.4	881.0	951.5	1006.2	1034.8
125°	919.7	948.0	1020.7	1077.0	1107.2
127.5°	983.6	1009.7	1086.1	1144.3	1172.6
130°	1045.2	1070.1	1147.7	1204.7	1236.4
132.5°	1103.7	1126.7	1204.7	1259.4	1293.1
135°	1160.3	1177.9	1257.5	1312.2	1344.3
137.5°	1213.2	1225.7	1303.8	1358.5	1388.7
140°	1266.3	1270.1	1345.9	1397.2	1428.9
142.5°	1314.1	1312.2	1384.9	1434.3	1464.5
145°	1358.5	1353.1	1422.0	1466.1	1492.8
147.5°	1400.6	1388.7	1453.8	1491.2	1515.8
150°	1437.7	1422.0	1478.6	1515.8	1536.8
152.5°	1469.5	1451.9	1499.7	1533.4	1554.4
155°	1501.6	1480.5	1519.2	1551.0	1568.9
157.5°	1529.9	1503.2	1533.4	1561.7	1576.1
160°	1554.4	1528.3	1547.5	1568.9	1579.6
162.5°	1576.1	1549.4	1558.2	1570.5	1579.6
165°	1593.8	1568.9	1568.9	1573.9	1579.6
167.5°	1607.6	1586.5	1576.1	1577.7	1579.6
170°	1620.2	1598.8	1588.1	1577.7	1576.1
172.5°	1629.0	1607.6	1598.8	1584.6	1573.9
175°	1635.9	1616.7	1605.7	1593.8	1581.2
177.5°	1637.8	1621.8	1612.9	1600.7	1590.0
180°	1614.8	1614.8	1614.8	1614.8	1614.8

(END OF REPORT)