

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: P275151

Luminaire Tested: **J3-FL-80L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275151
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7024.4 lumens
Efficiency: N/A
Efficacy: 112.8 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

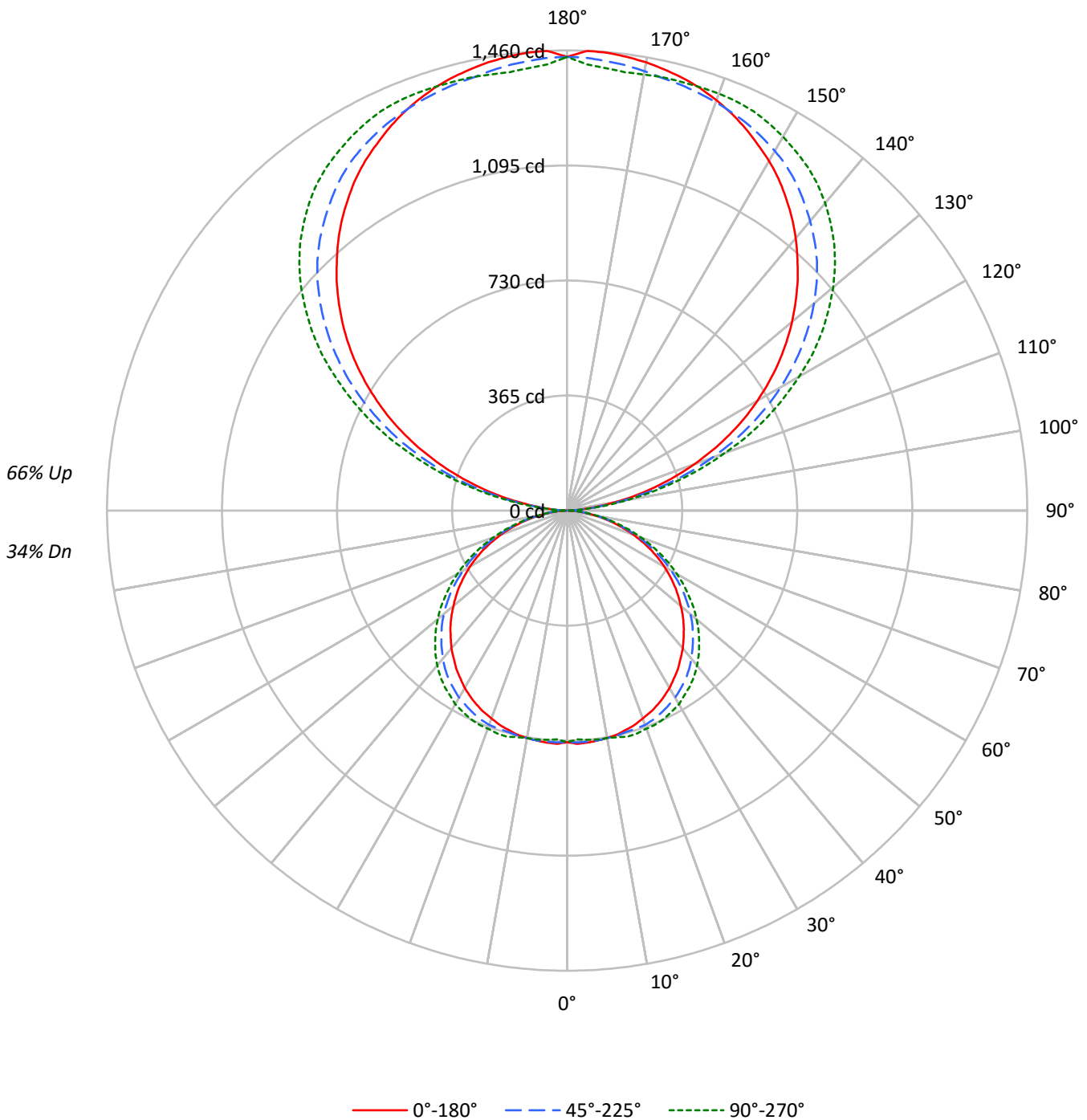
Input Watts (W): 62.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5930	5930	5930
5°	5990	5966	5913
10°	6007	6007	6007
15°	6019	6073	6206
20°	6026	6216	6325
25°	6053	6305	6487
30°	6055	6392	6614
35°	6042	6445	6697
40°	6015	6461	6759
45°	5976	6443	6766
50°	5918	6415	6732
55°	5855	6325	6632
60°	5748	6160	6491
65°	5568	5927	6266
70°	5247	5585	5875
75°	4819	5115	5359
80°	4184	4472	4626
85°	3353	3483	3659



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	1.0
10°-20°	206.1	2.9
20°-30°	324.6	4.6
30°-40°	405.5	5.8
40°-50°	432.3	6.2
50°-60°	398.6	5.7
60°-70°	306.1	4.4
70°-80°	173.5	2.5
80°-90°	45.7	0.7
90°-100°	73.7	1.0
100°-110°	346.6	4.9
110°-120°	628.1	8.9
120°-130°	806.8	11.5
130°-140°	858.3	12.2
140°-150°	789.8	11.2
150°-160°	625.4	8.9
160°-170°	397.0	5.7
170°-180°	136.2	1.9
0°-30°	600.7	8.6
0°-40°	1006.3	14.3
0°-60°	1837.2	26.2
0°-90°	2362.5	33.6
90°-120°	1048.3	14.9
90°-150°	3503.3	49.9
90°-180°	4662.0	66.4
0°-180°	7024.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	734	734	734	734	734	
5°	739	733	736	734	730	70
15°	720	717	727	739	743	204
25°	680	681	708	722	728	313
35°	613	624	654	670	680	383
45°	523	537	564	582	593	404
55°	416	429	449	464	471	371
65°	292	298	310	322	328	288
75°	154	158	164	170	172	164
85°	36	38	38	40	40	41
90°	2	2	2	0	0	5
95°	49	50	55	58	61	63
105°	290	303	331	352	361	307
115°	567	591	641	681	700	560
125°	820	845	910	960	987	731
135°	1034	1050	1121	1170	1198	797
145°	1211	1206	1267	1307	1330	758
155°	1338	1320	1354	1382	1398	617
165°	1420	1398	1398	1403	1408	401
175°	1458	1441	1431	1420	1409	139
180°	1439	1439	1439	1439	1439	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	734.5	734.5	734.5	734.5	734.5
2.5°	740.9	734.5	736.2	736.2	726.6
5°	739.2	732.8	736.2	734.5	729.7
7.5°	736.2	731.4	736.2	736.2	732.8
10°	732.8	728.3	732.8	734.5	732.8
12.5°	728.3	723.5	731.4	734.5	736.2
15°	720.2	717.1	726.6	739.2	742.6
17.5°	712.6	710.9	725.2	739.2	740.9
20°	701.4	701.4	723.5	734.5	736.2
22.5°	692.1	692.1	717.1	728.3	734.5
25°	679.5	680.9	707.8	722.1	728.3
27.5°	665.2	670.0	696.6	712.6	718.8
30°	649.5	657.4	685.7	701.4	709.5
32.5°	630.8	641.4	670.0	685.7	693.5
35°	613.1	624.3	654.0	670.0	679.5
37.5°	591.2	605.2	635.2	650.9	662.1
40°	570.8	585.1	613.1	630.8	641.4
42.5°	546.9	562.6	589.5	606.9	617.9
45°	523.4	537.4	564.3	581.7	592.6
47.5°	498.2	512.5	539.4	555.1	565.7
50°	471.2	486.9	510.8	526.5	536.0
52.5°	444.3	458.6	480.8	496.8	506.0
55°	416.0	428.6	449.4	463.7	471.2
57.5°	386.0	398.6	416.0	430.3	438.2
60°	356.0	365.6	381.5	395.6	402.0
62.5°	324.6	332.8	346.8	358.0	365.6
65°	291.5	298.0	310.3	321.5	328.0
67.5°	257.1	263.2	274.2	283.7	288.5
70°	222.3	228.5	236.6	244.2	248.9
72.5°	188.9	192.3	200.2	206.6	209.7
75°	154.5	157.5	164.0	170.2	171.8
77.5°	123.1	124.5	129.5	132.6	134.0
80°	90.0	93.1	96.2	97.6	99.5
82.5°	61.4	63.1	64.5	66.2	67.6
85°	36.2	37.6	37.6	39.5	39.5
87.5°	15.7	17.4	17.4	17.4	17.4
90°	1.7	1.7	1.7	0.0	0.0
92.5°	15.7	15.7	17.4	18.8	20.5
95°	48.8	50.5	55.2	58.3	61.4
97.5°	97.6	100.9	110.2	118.3	121.4
100°	157.5	164.0	178.3	188.9	194.0
102.5°	222.3	231.6	252.3	268.0	275.8
105°	290.1	302.8	331.1	351.5	361.1
107.5°	359.4	375.4	411.5	435.1	447.7
110°	428.6	449.4	488.6	520.0	529.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	498.2	520.0	567.4	602.2	619.5
115°	567.4	591.2	641.4	680.9	700.0
117.5°	633.8	658.8	714.0	758.3	775.4
120°	696.6	723.5	783.5	829.2	849.7
122.5°	759.7	785.2	848.0	896.8	922.3
125°	819.7	844.9	909.7	959.9	986.8
127.5°	876.6	899.9	968.0	1019.9	1045.1
130°	931.6	953.7	1022.9	1073.7	1102.0
132.5°	983.7	1004.2	1073.7	1122.5	1152.5
135°	1034.2	1049.9	1120.8	1169.6	1198.1
137.5°	1081.2	1092.5	1162.0	1210.8	1237.7
140°	1128.6	1132.0	1199.6	1245.2	1273.6
142.5°	1171.2	1169.6	1234.3	1278.3	1305.2
145°	1210.8	1206.0	1267.4	1306.6	1330.5
147.5°	1248.3	1237.7	1295.7	1329.1	1350.9
150°	1281.4	1267.4	1317.9	1350.9	1369.7
152.5°	1309.7	1294.0	1336.6	1366.6	1385.4
155°	1338.3	1319.5	1354.0	1382.3	1398.3
157.5°	1363.5	1339.7	1366.6	1391.9	1404.8
160°	1385.4	1362.1	1379.2	1398.3	1407.8
162.5°	1404.8	1380.9	1388.8	1399.7	1407.8
165°	1420.5	1398.3	1398.3	1402.8	1407.8
167.5°	1432.8	1414.0	1404.8	1406.2	1407.8
170°	1444.0	1424.9	1415.4	1406.2	1404.8
172.5°	1451.9	1432.8	1424.9	1412.3	1402.8
175°	1458.0	1440.9	1431.1	1420.5	1409.2
177.5°	1459.7	1445.4	1437.6	1426.6	1417.1
180°	1439.2	1439.2	1439.2	1439.2	1439.2

(END OF REPORT)