

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: P275159

Luminaire Tested: **J3-FL-80L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275159
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-80L92765-1D-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, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5999.0 lumens
Efficiency: N/A
Efficacy: 96.4 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

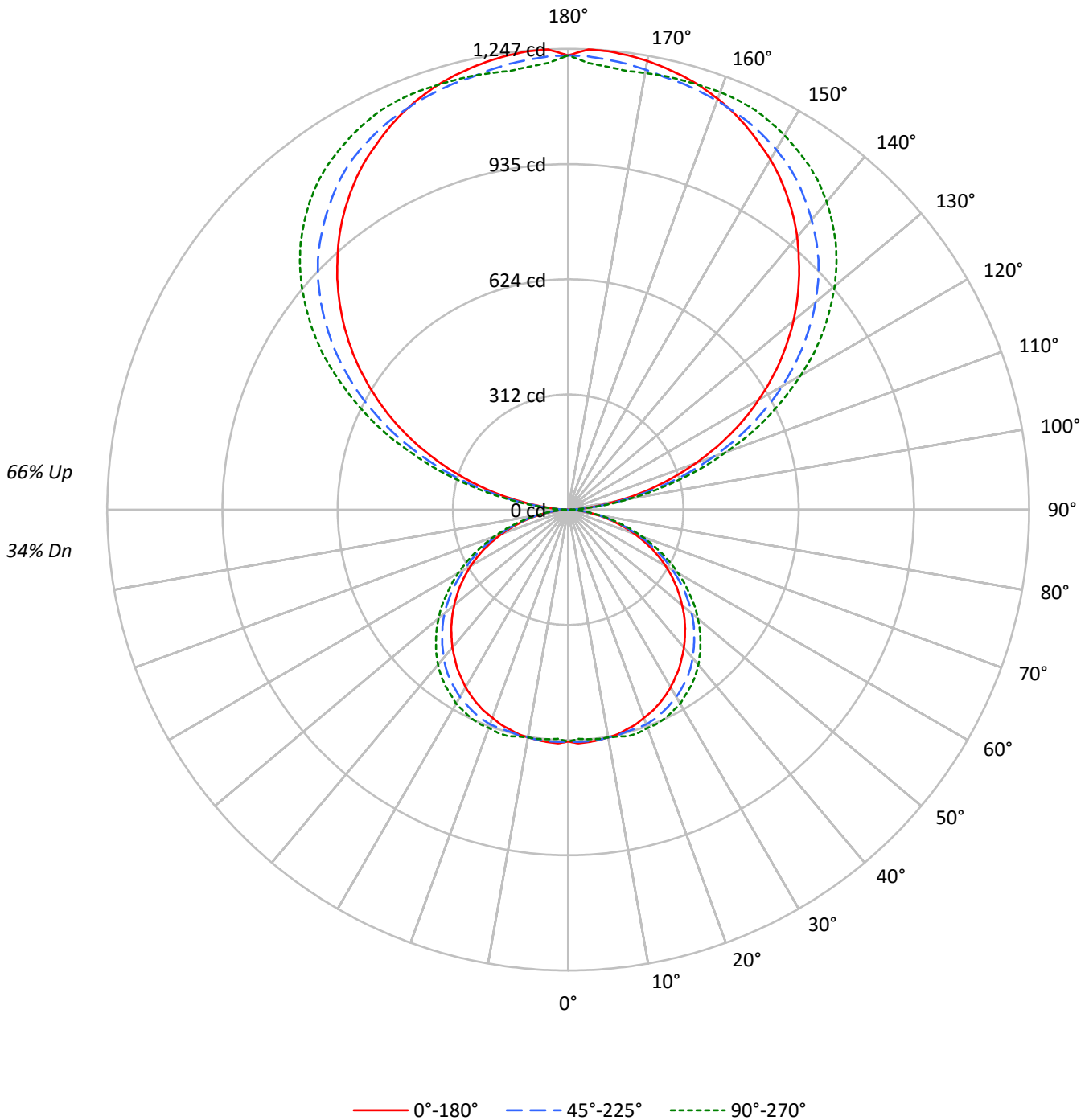
Input Watts (W): 62.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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°	5064	5064	5064
5°	5116	5095	5050
10°	5130	5130	5130
15°	5141	5187	5300
20°	5146	5308	5401
25°	5169	5385	5540
30°	5171	5459	5649
35°	5160	5505	5719
40°	5136	5518	5773
45°	5103	5502	5778
50°	5055	5478	5750
55°	5001	5402	5665
60°	4910	5260	5543
65°	4756	5062	5351
70°	4482	4770	5018
75°	4114	4370	4579
80°	3575	3817	3952
85°	2862	2973	3131



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.0
10°-20°	176.0	2.9
20°-30°	277.2	4.6
30°-40°	346.4	5.8
40°-50°	369.2	6.2
50°-60°	340.4	5.7
60°-70°	261.4	4.4
70°-80°	148.1	2.5
80°-90°	39.0	0.7
90°-100°	62.9	1.0
100°-110°	296.0	4.9
110°-120°	536.4	8.9
120°-130°	689.1	11.5
130°-140°	733.0	12.2
140°-150°	674.5	11.2
150°-160°	534.1	8.9
160°-170°	339.1	5.7
170°-180°	116.3	1.9
0°-30°	513.0	8.6
0°-40°	859.4	14.3
0°-60°	1569.0	26.2
0°-90°	2017.6	33.6
90°-120°	895.3	14.9
90°-150°	2991.9	49.9
90°-180°	3981.0	66.4
0°-180°	5999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	627	627	627	627	627	
5°	631	626	629	627	623	60
15°	615	612	621	631	634	174
25°	580	582	604	617	622	267
35°	524	533	559	572	580	327
45°	447	459	482	497	506	345
55°	355	366	384	396	402	317
65°	249	254	265	275	280	246
75°	132	135	140	145	147	140
85°	31	32	32	34	34	35
90°	1	1	1	0	0	4
95°	42	43	47	50	52	54
105°	248	259	283	300	308	262
115°	485	505	548	582	598	478
125°	700	722	777	820	843	625
135°	883	897	957	999	1023	681
145°	1034	1030	1082	1116	1136	647
155°	1143	1127	1156	1181	1194	527
165°	1213	1194	1194	1198	1202	343
175°	1245	1231	1222	1213	1204	118
180°	1229	1229	1229	1229	1229	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	627.3	627.3	627.3	627.3	627.3
2.5°	632.8	627.3	628.7	628.7	620.6
5°	631.3	625.8	628.7	627.3	623.2
7.5°	628.7	624.6	628.7	628.7	625.8
10°	625.8	622.0	625.8	627.3	625.8
12.5°	622.0	617.9	624.6	627.3	628.7
15°	615.1	612.4	620.6	631.3	634.2
17.5°	608.6	607.2	619.4	631.3	632.8
20°	599.0	599.0	617.9	627.3	628.7
22.5°	591.1	591.1	612.4	622.0	627.3
25°	580.3	581.5	604.5	616.7	622.0
27.5°	568.1	572.2	594.9	608.6	613.9
30°	554.7	561.4	585.6	599.0	606.0
32.5°	538.7	547.8	572.2	585.6	592.3
35°	523.6	533.2	558.6	572.2	580.3
37.5°	504.9	516.9	542.5	555.9	565.5
40°	487.4	499.7	523.6	538.7	547.8
42.5°	467.1	480.5	503.5	518.3	527.7
45°	447.0	459.0	481.9	496.8	506.1
47.5°	425.4	437.6	460.6	474.0	483.1
50°	402.5	415.9	436.2	449.6	457.8
52.5°	379.5	391.7	410.6	424.2	432.1
55°	355.3	366.1	383.8	396.0	402.5
57.5°	329.7	340.4	355.3	367.5	374.2
60°	304.1	312.2	325.8	337.8	343.3
62.5°	277.2	284.2	296.2	305.7	312.2
65°	249.0	254.5	265.0	274.6	280.1
67.5°	219.5	224.8	234.1	242.3	246.4
70°	189.9	195.1	202.1	208.5	212.6
72.5°	161.4	164.2	170.9	176.4	179.1
75°	131.9	134.6	140.1	145.3	146.8
77.5°	105.1	106.3	110.6	113.2	114.4
80°	76.9	79.5	82.1	83.3	85.0
82.5°	52.4	53.9	55.1	56.5	57.7
85°	30.9	32.1	32.1	33.8	33.8
87.5°	13.4	14.8	14.8	14.8	14.8
90°	1.4	1.4	1.4	0.0	0.0
92.5°	13.4	13.4	14.8	16.0	17.5
95°	41.7	43.1	47.2	49.8	52.4
97.5°	83.3	86.2	94.1	101.0	103.7
100°	134.6	140.1	152.3	161.4	165.7
102.5°	189.9	197.8	215.5	228.9	235.6
105°	247.8	258.6	282.7	300.2	308.4
107.5°	306.9	320.6	351.5	371.6	382.3
110°	366.1	383.8	417.3	444.1	452.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	425.4	444.1	484.6	514.3	529.1
115°	484.6	504.9	547.8	581.5	597.8
117.5°	541.3	562.6	609.8	647.6	662.2
120°	594.9	617.9	669.2	708.2	725.7
122.5°	648.8	670.6	724.2	765.9	787.7
125°	700.0	721.6	776.9	819.8	842.7
127.5°	748.6	768.5	826.7	871.0	892.5
130°	795.6	814.5	873.6	917.0	941.1
132.5°	840.1	857.6	917.0	958.6	984.2
135°	883.2	896.6	957.2	998.8	1023.3
137.5°	923.4	933.0	992.4	1034.0	1057.0
140°	963.9	966.8	1024.5	1063.5	1087.7
142.5°	1000.3	998.8	1054.1	1091.7	1114.7
145°	1034.0	1030.0	1082.4	1115.9	1136.3
147.5°	1066.1	1057.0	1106.6	1135.1	1153.7
150°	1094.4	1082.4	1125.5	1153.7	1169.8
152.5°	1118.5	1105.1	1141.5	1167.1	1183.2
155°	1143.0	1126.9	1156.4	1180.6	1194.2
157.5°	1164.5	1144.2	1167.1	1188.7	1199.7
160°	1183.2	1163.3	1177.9	1194.2	1202.3
162.5°	1199.7	1179.4	1186.1	1195.4	1202.3
165°	1213.1	1194.2	1194.2	1198.0	1202.3
167.5°	1223.6	1207.6	1199.7	1200.9	1202.3
170°	1233.2	1216.9	1208.8	1200.9	1199.7
172.5°	1239.9	1223.6	1216.9	1206.2	1198.0
175°	1245.2	1230.6	1222.2	1213.1	1203.5
177.5°	1246.6	1234.4	1227.7	1218.4	1210.2
180°	1229.2	1229.2	1229.2	1229.2	1229.2

(END OF REPORT)