

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: P275160

Luminaire Tested: **J3-FL-80L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275160
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6236.3 lumens
Efficiency: N/A
Efficacy: 101.1 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

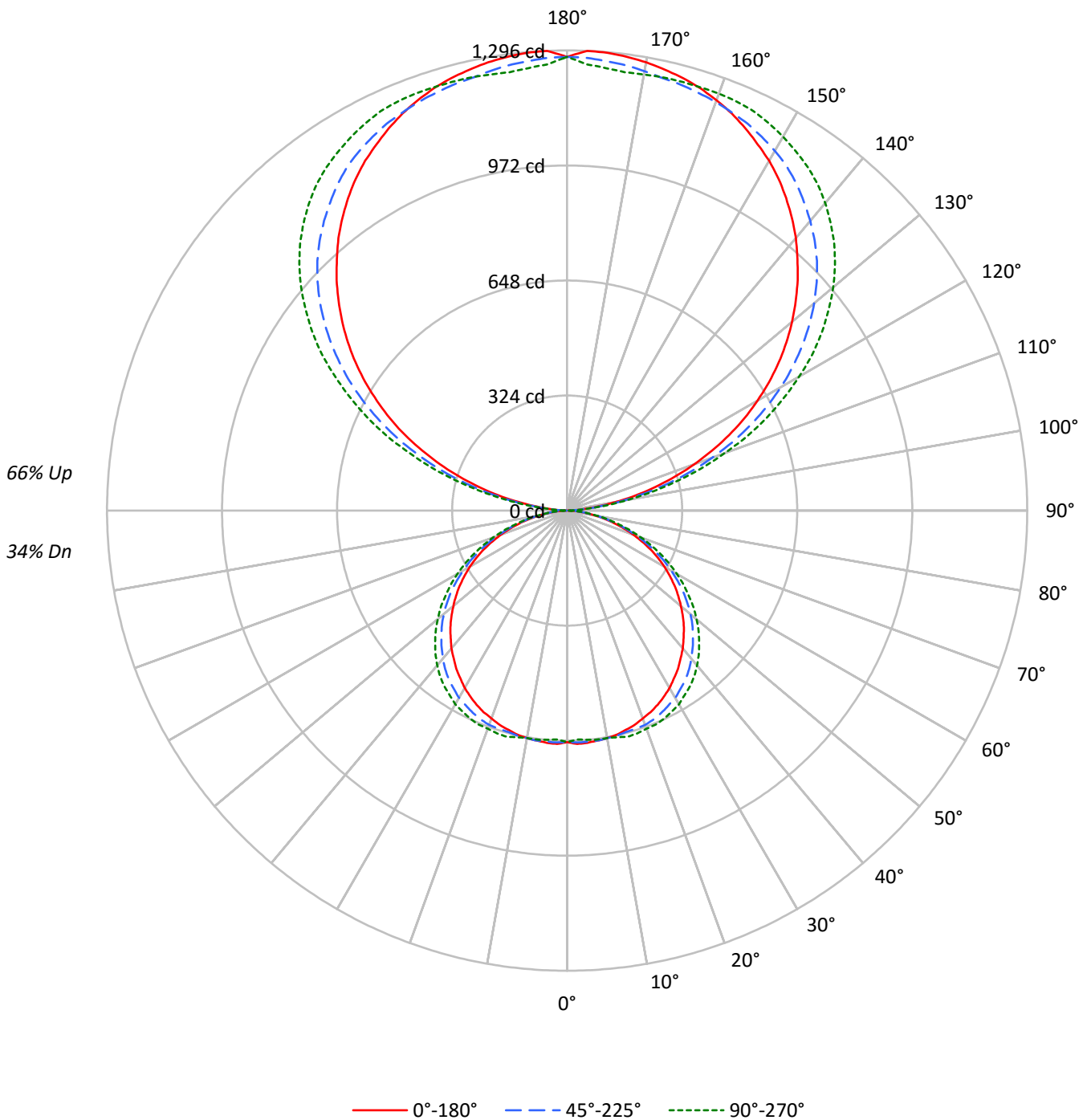
Input Watts (W): 61.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5264	5264	5264
5°	5319	5297	5250
10°	5333	5333	5333
15°	5344	5392	5510
20°	5350	5519	5615
25°	5374	5597	5760
30°	5376	5675	5872
35°	5364	5722	5946
40°	5340	5736	6001
45°	5305	5720	6006
50°	5255	5696	5977
55°	5198	5616	5889
60°	5104	5469	5762
65°	4944	5263	5563
70°	4659	4959	5216
75°	4276	4541	4760
80°	3715	3970	4110
85°	2973	3094	3251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	1.0
10°-20°	183.0	2.9
20°-30°	288.2	4.6
30°-40°	360.0	5.8
40°-50°	383.8	6.2
50°-60°	353.9	5.7
60°-70°	271.8	4.4
70°-80°	154.0	2.5
80°-90°	40.6	0.7
90°-100°	65.4	1.0
100°-110°	307.7	4.9
110°-120°	557.7	8.9
120°-130°	716.3	11.5
130°-140°	762.0	12.2
140°-150°	701.2	11.2
150°-160°	555.2	8.9
160°-170°	352.5	5.7
170°-180°	120.9	1.9
0°-30°	533.3	8.6
0°-40°	893.4	14.3
0°-60°	1631.1	26.2
0°-90°	2097.4	33.6
90°-120°	930.7	14.9
90°-150°	3110.2	49.9
90°-180°	4139.0	66.4
0°-180°	6236.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	656	651	654	652	648	62
15°	639	637	645	656	659	181
25°	603	604	628	641	647	278
35°	544	554	581	595	603	340
45°	465	477	501	516	526	358
55°	369	380	399	412	418	330
65°	259	265	276	286	291	255
75°	137	140	146	151	153	146
85°	32	33	33	35	35	36
90°	2	2	2	0	0	4
95°	43	45	49	52	54	56
105°	258	269	294	312	321	273
115°	504	525	569	604	622	497
125°	728	750	808	852	876	649
135°	918	932	995	1038	1064	708
145°	1075	1071	1125	1160	1181	673
155°	1188	1172	1202	1227	1241	548
165°	1261	1241	1241	1245	1250	356
175°	1294	1279	1270	1261	1251	123
180°	1278	1278	1278	1278	1278	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	652.1	652.1	652.1	652.1	652.1
2.5°	657.8	652.1	653.6	653.6	645.1
5°	656.3	650.6	653.6	652.1	647.8
7.5°	653.6	649.3	653.6	653.6	650.6
10°	650.6	646.6	650.6	652.1	650.6
12.5°	646.6	642.4	649.3	652.1	653.6
15°	639.4	636.6	645.1	656.3	659.3
17.5°	632.7	631.2	643.9	656.3	657.8
20°	622.7	622.7	642.4	652.1	653.6
22.5°	614.5	614.5	636.6	646.6	652.1
25°	603.3	604.5	628.4	641.1	646.6
27.5°	590.6	594.8	618.5	632.7	638.1
30°	576.7	583.6	608.8	622.7	629.9
32.5°	560.0	569.4	594.8	608.8	615.7
35°	544.3	554.3	580.6	594.8	603.3
37.5°	524.9	537.3	564.0	577.9	587.9
40°	506.7	519.4	544.3	560.0	569.4
42.5°	485.6	499.5	523.4	538.8	548.5
45°	464.7	477.1	501.0	516.4	526.1
47.5°	442.3	455.0	478.8	492.8	502.2
50°	418.4	432.3	453.5	467.4	475.9
52.5°	394.5	407.2	426.8	441.0	449.2
55°	369.3	380.5	399.0	411.6	418.4
57.5°	342.7	353.9	369.3	382.0	389.0
60°	316.1	324.5	338.7	351.2	356.9
62.5°	288.2	295.4	307.9	317.8	324.5
65°	258.8	264.6	275.5	285.5	291.2
67.5°	228.2	233.7	243.4	251.9	256.1
70°	197.4	202.8	210.1	216.8	221.0
72.5°	167.7	170.7	177.7	183.4	186.2
75°	137.1	139.9	145.6	151.1	152.6
77.5°	109.3	110.5	115.0	117.7	119.0
80°	79.9	82.6	85.4	86.6	88.4
82.5°	54.5	56.0	57.2	58.7	60.0
85°	32.1	33.4	33.4	35.1	35.1
87.5°	13.9	15.4	15.4	15.4	15.4
90°	1.5	1.5	1.5	0.0	0.0
92.5°	13.9	13.9	15.4	16.7	18.2
95°	43.3	44.8	49.0	51.8	54.5
97.5°	86.6	89.6	97.8	105.0	107.8
100°	139.9	145.6	158.3	167.7	172.2
102.5°	197.4	205.6	224.0	237.9	244.9
105°	257.6	268.8	293.9	312.1	320.6
107.5°	319.1	333.3	365.4	386.3	397.5
110°	380.5	399.0	433.8	461.7	470.1



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CATALOG NUMBER: J3-FL-80L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	442.3	461.7	503.7	534.6	550.0
115°	503.7	524.9	569.4	604.5	621.5
117.5°	562.7	584.9	633.9	673.2	688.4
120°	618.5	642.4	695.6	736.2	754.4
122.5°	674.5	697.1	752.9	796.2	818.8
125°	727.7	750.1	807.6	852.2	876.1
127.5°	778.3	798.9	859.4	905.4	927.8
130°	827.0	846.7	908.2	953.2	978.4
132.5°	873.3	891.5	953.2	996.5	1023.1
135°	918.1	932.1	995.0	1038.3	1063.7
137.5°	959.9	969.9	1031.6	1074.9	1098.8
140°	1002.0	1005.0	1065.0	1105.5	1130.7
142.5°	1039.8	1038.3	1095.8	1134.9	1158.8
145°	1074.9	1070.7	1125.2	1160.0	1181.2
147.5°	1108.3	1098.8	1150.3	1179.9	1199.4
150°	1137.6	1125.2	1170.0	1199.4	1216.0
152.5°	1162.8	1148.8	1186.7	1213.3	1230.0
155°	1188.2	1171.5	1202.1	1227.2	1241.4
157.5°	1210.6	1189.4	1213.3	1235.7	1247.1
160°	1230.0	1209.3	1224.5	1241.4	1249.9
162.5°	1247.1	1226.0	1233.0	1242.7	1249.9
165°	1261.1	1241.4	1241.4	1245.4	1249.9
167.5°	1272.0	1255.4	1247.1	1248.4	1249.9
170°	1282.0	1265.1	1256.6	1248.4	1247.1
172.5°	1289.0	1272.0	1265.1	1253.9	1245.4
175°	1294.4	1279.2	1270.5	1261.1	1251.1
177.5°	1295.9	1283.2	1276.3	1266.6	1258.1
180°	1277.8	1277.8	1277.8	1277.8	1277.8

(END OF REPORT)