

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: P275161

Luminaire Tested: **J3-FL-80L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275161
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6550.0 lumens
Efficiency: N/A
Efficacy: 105.0 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

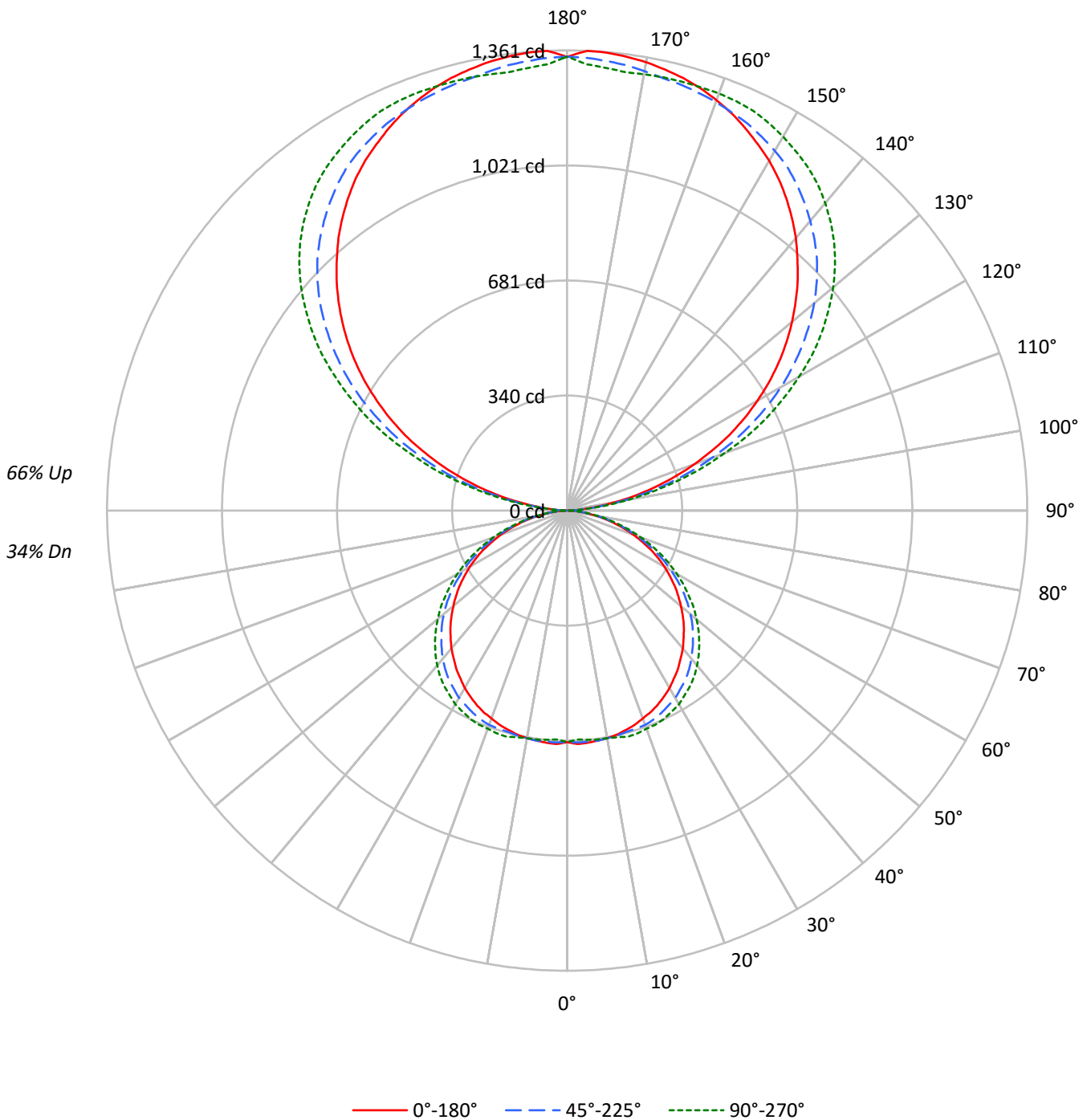
Input Watts (W): 62.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5529	5529	5529
5°	5586	5562	5514
10°	5601	5601	5601
15°	5612	5663	5788
20°	5619	5796	5897
25°	5644	5879	6049
30°	5646	5960	6167
35°	5634	6010	6244
40°	5609	6025	6303
45°	5571	6008	6309
50°	5519	5982	6277
55°	5460	5897	6184
60°	5360	5745	6051
65°	5194	5528	5841
70°	4893	5207	5478
75°	4492	4769	4997
80°	3901	4170	4314
85°	3122	3242	3418



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	1.0
10°-20°	192.2	2.9
20°-30°	302.7	4.6
30°-40°	378.2	5.8
40°-50°	403.1	6.2
50°-60°	371.7	5.7
60°-70°	285.5	4.4
70°-80°	161.7	2.5
80°-90°	42.6	0.7
90°-100°	68.7	1.0
100°-110°	323.2	4.9
110°-120°	585.7	8.9
120°-130°	752.3	11.5
130°-140°	800.4	12.2
140°-150°	736.4	11.2
150°-160°	583.2	8.9
160°-170°	370.2	5.7
170°-180°	127.0	1.9
0°-30°	560.2	8.6
0°-40°	938.3	14.3
0°-60°	1713.1	26.2
0°-90°	2202.9	33.6
90°-120°	977.5	14.9
90°-150°	3266.7	49.9
90°-180°	4347.0	66.4
0°-180°	6550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	685	685	685	685	685	
5°	689	683	686	685	680	66
15°	672	669	678	689	692	190
25°	634	635	660	673	679	292
35°	572	582	610	625	634	357
45°	488	501	526	542	553	376
55°	388	400	419	432	439	346
65°	272	278	289	300	306	268
75°	144	147	153	159	160	153
85°	34	35	35	37	37	38
90°	2	2	2	0	0	4
95°	46	47	52	54	57	59
105°	271	282	309	328	337	286
115°	529	551	598	635	653	522
125°	764	788	848	895	920	682
135°	964	979	1045	1091	1117	744
145°	1129	1124	1182	1218	1241	706
155°	1248	1230	1263	1289	1304	575
165°	1324	1304	1304	1308	1313	374
175°	1360	1344	1334	1324	1314	129
180°	1342	1342	1342	1342	1342	



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CATALOG NUMBER: J3-FL-80L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	684.9	684.9	684.9	684.9	684.9
2.5°	690.9	684.9	686.4	686.4	677.6
5°	689.3	683.3	686.4	684.9	680.4
7.5°	686.4	682.0	686.4	686.4	683.3
10°	683.3	679.1	683.3	684.9	683.3
12.5°	679.1	674.7	682.0	684.9	686.4
15°	671.5	668.7	677.6	689.3	692.5
17.5°	664.5	662.9	676.2	689.3	690.9
20°	654.0	654.0	674.7	684.9	686.4
22.5°	645.4	645.4	668.7	679.1	684.9
25°	633.6	634.9	660.0	673.4	679.1
27.5°	620.3	624.7	649.6	664.5	670.2
30°	605.7	613.0	639.4	654.0	661.6
32.5°	588.2	598.1	624.7	639.4	646.7
35°	571.7	582.1	609.8	624.7	633.6
37.5°	551.3	564.4	592.3	607.0	617.4
40°	532.2	545.5	571.7	588.2	598.1
42.5°	510.0	524.6	549.7	565.9	576.1
45°	488.0	501.1	526.2	542.4	552.6
47.5°	464.5	477.8	502.9	517.6	527.5
50°	439.4	454.1	476.3	490.9	499.8
52.5°	414.3	427.7	448.3	463.2	471.8
55°	387.9	399.7	419.0	432.4	439.4
57.5°	359.9	371.7	387.9	401.3	408.6
60°	332.0	340.9	355.8	368.8	374.8
62.5°	302.7	310.3	323.4	333.8	340.9
65°	271.9	277.9	289.4	299.8	305.8
67.5°	239.7	245.5	255.7	264.5	269.0
70°	207.3	213.0	220.6	227.7	232.1
72.5°	176.2	179.3	186.6	192.7	195.5
75°	144.0	146.9	152.9	158.7	160.2
77.5°	114.8	116.1	120.8	123.6	124.9
80°	83.9	86.8	89.7	91.0	92.8
82.5°	57.2	58.8	60.1	61.7	63.0
85°	33.7	35.0	35.0	36.9	36.9
87.5°	14.6	16.2	16.2	16.2	16.2
90°	1.6	1.6	1.6	0.0	0.0
92.5°	14.6	14.6	16.2	17.5	19.1
95°	45.5	47.1	51.5	54.4	57.2
97.5°	91.0	94.1	102.7	110.3	113.2
100°	146.9	152.9	166.3	176.2	180.9
102.5°	207.3	215.9	235.3	249.9	257.2
105°	270.6	282.3	308.7	327.8	336.7
107.5°	335.1	350.0	383.7	405.7	417.5
110°	399.7	419.0	455.6	484.9	493.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	464.5	484.9	529.1	561.5	577.7
115°	529.1	551.3	598.1	634.9	652.7
117.5°	591.0	614.3	665.8	707.1	723.0
120°	649.6	674.7	730.6	773.2	792.3
122.5°	708.4	732.2	790.7	836.2	860.0
125°	764.3	787.9	848.2	895.0	920.1
127.5°	817.4	839.1	902.6	951.0	974.5
130°	868.6	889.3	953.9	1001.2	1027.6
132.5°	917.3	936.3	1001.2	1046.7	1074.6
135°	964.3	978.9	1045.1	1090.6	1117.2
137.5°	1008.2	1018.7	1083.5	1129.0	1154.1
140°	1052.4	1055.5	1118.5	1161.1	1187.5
142.5°	1092.1	1090.6	1151.0	1192.0	1217.1
145°	1129.0	1124.5	1181.8	1218.4	1240.6
147.5°	1164.0	1154.1	1208.2	1239.3	1259.7
150°	1194.9	1181.8	1228.8	1259.7	1277.2
152.5°	1221.3	1206.6	1246.4	1274.3	1291.8
155°	1247.9	1230.4	1262.6	1289.0	1303.9
157.5°	1271.5	1249.2	1274.3	1297.9	1309.9
160°	1291.8	1270.1	1286.1	1303.9	1312.8
162.5°	1309.9	1287.7	1295.0	1305.2	1312.8
165°	1324.5	1303.9	1303.9	1308.1	1312.8
167.5°	1336.0	1318.5	1309.9	1311.2	1312.8
170°	1346.5	1328.7	1319.8	1311.2	1309.9
172.5°	1353.8	1336.0	1328.7	1316.9	1308.1
175°	1359.5	1343.6	1334.5	1324.5	1314.1
177.5°	1361.1	1347.8	1340.5	1330.3	1321.4
180°	1342.0	1342.0	1342.0	1342.0	1342.0

(END OF REPORT)