

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: P275069

Luminaire Tested: **J3-CL-80L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-80L92765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7210.5 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

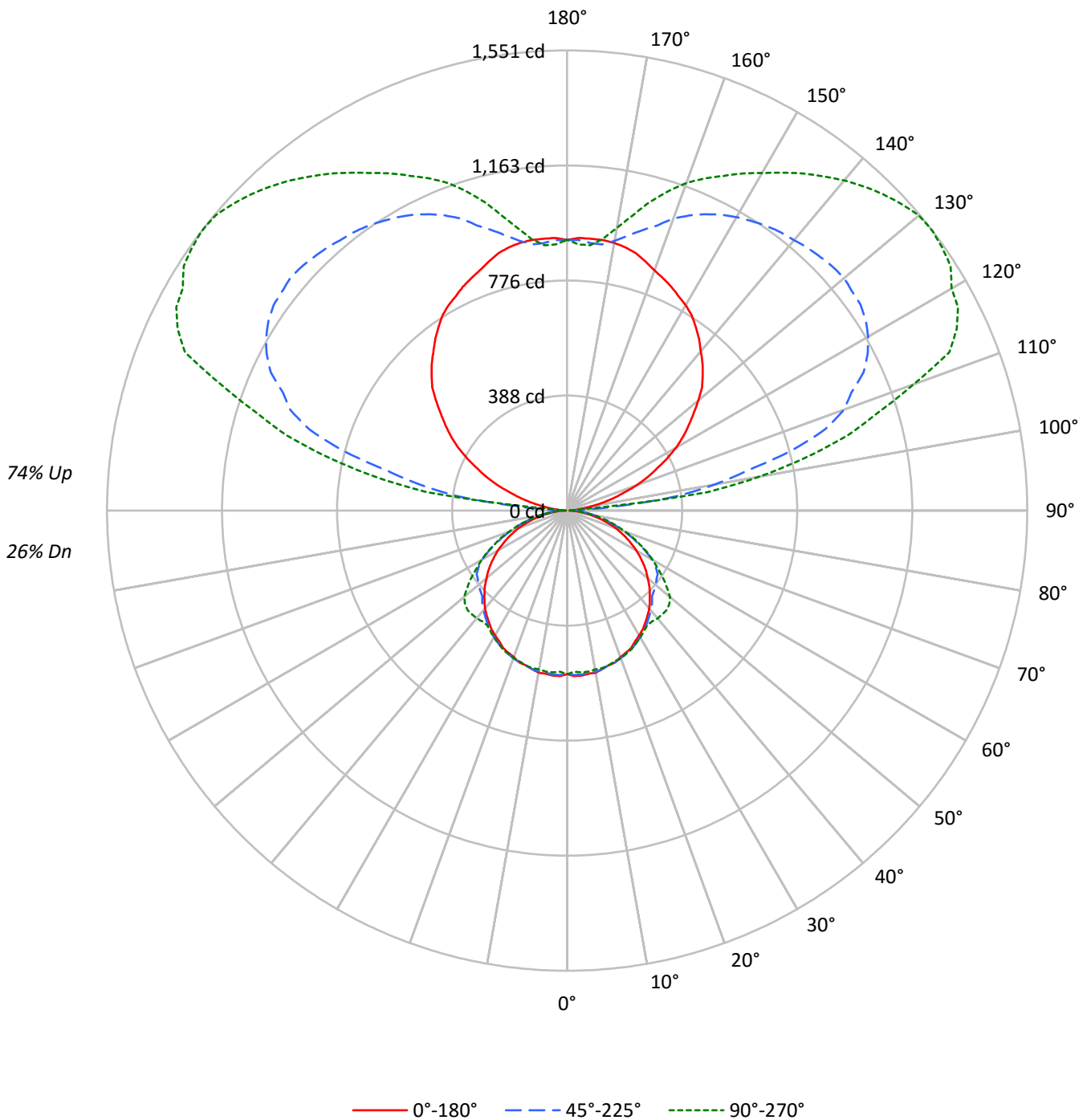
Input Watts (W): 64.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4448	4448	4448
5°	4524	4495	4436
10°	4547	4517	4457
15°	4514	4514	4514
20°	4515	4546	4546
25°	4551	4584	4584
30°	4525	4593	4593
35°	4531	4603	4640
40°	4538	4615	4999
45°	4499	4625	5416
50°	4446	4904	5683
55°	4417	5239	5547
60°	4359	5362	5362
65°	4252	5089	5158
70°	4135	4825	4910
75°	3871	4554	4666
80°	3561	4412	4240
85°	3381	4733	4057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	0.7
10°-20°	152.5	2.1
20°-30°	235.7	3.3
30°-40°	292.4	4.1
40°-50°	327.2	4.5
50°-60°	319.7	4.4
60°-70°	252.2	3.5
70°-80°	152.6	2.1
80°-90°	54.3	0.8
90°-100°	187.3	2.6
100°-110°	724.3	10.0
110°-120°	995.4	13.8
120°-130°	1007.0	14.0
130°-140°	892.5	12.4
140°-150°	705.8	9.8
150°-160°	492.8	6.8
160°-170°	278.9	3.9
170°-180°	87.4	1.2
0°-30°	440.8	6.1
0°-40°	733.1	10.2
0°-60°	1379.9	19.1
0°-90°	1839.1	25.5
90°-120°	1906.9	26.4
90°-150°	4512.2	62.6
90°-180°	5371.0	74.5
0°-180°	7210.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	551	551	551	551	551	
5°	558	551	555	551	547	53
15°	540	536	540	540	540	153
25°	511	504	515	515	515	234
35°	460	460	467	471	471	288
45°	394	398	405	456	474	304
55°	314	318	372	394	394	280
65°	223	234	266	270	270	219
75°	124	146	146	150	150	131
85°	36	58	51	47	44	38
90°	7	22	18	4	4	7
95°	29	146	175	36	36	36
105°	161	518	785	905	978	171
115°	332	701	1102	1365	1449	331
125°	500	810	1208	1471	1544	447
135°	646	890	1208	1445	1507	498
145°	755	912	1171	1343	1387	472
155°	832	890	1102	1222	1244	384
165°	898	894	978	1062	1076	253
175°	920	909	905	905	898	88
180°	912	912	912	912	912	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	551.0	551.0	551.0	551.0	551.0
2.5°	558.3	551.0	554.7	551.0	543.7
5°	558.3	551.0	554.7	551.0	547.4
7.5°	554.7	551.0	551.0	547.4	547.4
10°	554.7	547.4	551.0	547.4	543.7
12.5°	547.4	543.7	547.4	543.7	543.7
15°	540.1	536.5	540.1	540.1	540.1
17.5°	536.5	529.2	536.5	536.5	532.8
20°	525.5	521.9	529.2	529.2	529.2
22.5°	518.2	514.6	521.9	521.9	521.9
25°	510.9	503.6	514.6	514.6	514.6
27.5°	496.3	496.3	503.6	507.3	503.6
30°	485.4	481.7	492.7	496.3	492.7
32.5°	474.4	470.8	481.7	485.4	481.7
35°	459.8	459.8	467.1	470.8	470.8
37.5°	445.2	445.2	452.5	456.2	470.8
40°	430.6	430.6	437.9	459.8	474.4
42.5°	412.4	412.4	423.3	456.2	474.4
45°	394.1	397.8	405.1	456.2	474.4
47.5°	375.9	379.5	397.8	452.5	467.1
50°	354.0	361.3	390.5	441.6	452.5
52.5°	335.7	339.4	379.5	423.3	423.3
55°	313.8	317.5	372.2	394.1	394.1
57.5°	291.9	295.6	354.0	361.3	361.3
60°	270.0	273.7	332.1	332.1	332.1
62.5°	244.5	251.8	299.2	302.9	302.9
65°	222.6	233.6	266.4	270.0	270.0
67.5°	197.1	215.3	237.2	240.9	240.9
70°	175.2	197.1	204.4	208.0	208.0
72.5°	149.6	171.5	175.2	178.8	178.8
75°	124.1	146.0	146.0	149.6	149.6
77.5°	98.5	116.8	120.4	120.4	120.4
80°	76.6	87.6	94.9	91.2	91.2
82.5°	54.7	69.3	69.3	69.3	65.7
85°	36.5	58.4	51.1	47.4	43.8
87.5°	21.9	51.1	29.2	25.5	25.5
90°	7.3	21.9	18.2	3.6	3.6
92.5°	14.6	36.5	18.2	14.6	10.9
95°	29.2	146.0	175.2	36.5	36.5
97.5°	54.7	244.5	375.9	445.2	478.1
100°	83.9	364.9	503.6	616.7	656.9
102.5°	120.4	441.6	620.4	762.7	821.1
105°	160.6	518.2	784.6	905.0	978.0
107.5°	200.7	576.6	912.3	1047.4	1098.4
110°	248.2	624.0	992.6	1226.2	1240.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	291.9	660.5	1036.4	1313.8	1394.0
115°	332.1	700.7	1102.1	1364.8	1448.8
117.5°	379.5	729.9	1142.2	1394.0	1485.3
120°	423.3	755.4	1171.4	1430.5	1496.2
122.5°	463.5	784.6	1193.3	1459.7	1532.7
125°	500.0	810.1	1207.9	1470.7	1543.7
127.5°	536.5	832.0	1211.6	1474.3	1551.0
130°	576.6	853.9	1218.9	1470.7	1547.3
132.5°	616.7	875.8	1215.2	1459.7	1529.1
135°	645.9	890.4	1207.9	1445.1	1507.2
137.5°	675.1	901.4	1200.6	1423.2	1481.6
140°	700.7	908.7	1189.7	1397.7	1452.4
142.5°	729.9	912.3	1182.4	1372.1	1419.6
145°	755.4	912.3	1171.4	1343.0	1386.7
147.5°	781.0	908.7	1156.8	1313.8	1350.2
150°	799.2	901.4	1142.2	1284.6	1313.8
152.5°	813.8	894.1	1124.0	1251.7	1280.9
155°	832.0	890.4	1102.1	1222.5	1244.4
157.5°	846.6	890.4	1076.5	1189.7	1211.6
160°	861.2	890.4	1047.4	1156.8	1175.1
162.5°	879.5	890.4	1007.2	1109.4	1127.6
165°	897.7	894.1	978.0	1062.0	1076.5
167.5°	908.7	894.1	948.8	1003.6	1018.2
170°	916.0	901.4	923.3	963.4	967.1
172.5°	919.6	908.7	905.0	923.3	923.3
175°	919.6	908.7	905.0	905.0	897.7
177.5°	919.6	912.3	912.3	908.7	897.7
180°	912.3	912.3	912.3	912.3	912.3

(END OF REPORT)