

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: P253610

Luminaire Tested: **J3-UL-80L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-80L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6784.1 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

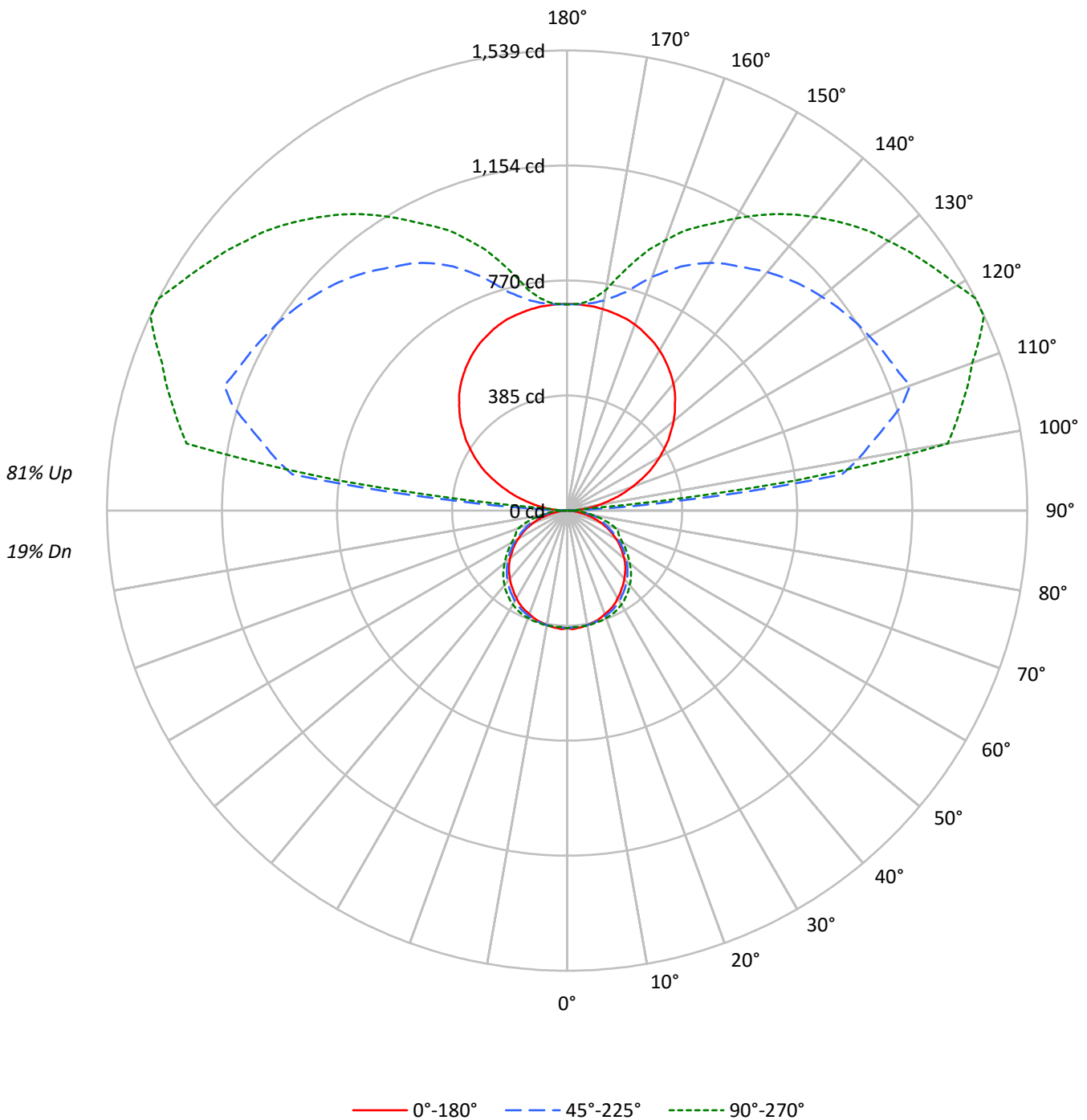
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3176	3176	3176
5°	3197	3169	3169
10°	3188	3188	3197
15°	3184	3204	3231
20°	3168	3225	3283
25°	3174	3244	3344
30°	3154	3258	3384
35°	3135	3256	3412
40°	3138	3257	3434
45°	3144	3260	3451
50°	3134	3247	3430
55°	3101	3227	3433
60°	3048	3194	3447
65°	2984	3156	3628
70°	2840	3184	4086
75°	2629	3646	4102
80°	2245	3710	4077
85°	1769	4168	4687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	0.6
10°-20°	108.6	1.6
20°-30°	168.3	2.5
30°-40°	207.6	3.1
40°-50°	221.3	3.3
50°-60°	206.3	3.0
60°-70°	168.5	2.5
70°-80°	116.1	1.7
80°-90°	45.9	0.7
90°-100°	399.8	5.9
100°-110°	1024.7	15.1
110°-120°	1061.0	15.6
120°-130°	944.6	13.9
130°-140°	786.5	11.6
140°-150°	598.9	8.8
150°-160°	402.9	5.9
160°-170°	218.4	3.2
170°-180°	67.0	1.0
0°-30°	314.3	4.6
0°-40°	522.0	7.7
0°-60°	949.6	14.0
0°-90°	1280.2	18.9
90°-120°	2485.4	36.6
90°-150°	4815.5	71.0
90°-180°	5504.0	81.1
0°-180°	6784.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	393	393	393	393	393	
5°	394	393	391	391	391	37
15°	381	382	383	388	387	107
25°	356	358	364	372	375	164
35°	318	323	330	341	346	200
45°	275	278	286	296	302	212
55°	220	224	229	237	244	197
65°	156	160	165	181	190	154
75°	84	90	117	130	132	89
85°	19	36	45	52	51	22
90°	2	3	4	3	3	6
95°	56	445	373	55	54	56
105°	169	707	1105	1305	1367	178
115°	298	733	1190	1482	1538	293
125°	414	750	1142	1387	1456	369
135°	510	770	1080	1286	1349	394
145°	588	753	997	1161	1210	368
155°	642	717	900	1016	1049	296
165°	676	698	756	832	860	191
175°	689	692	694	698	699	66
180°	690	690	690	690	690	



TEST NUMBER: P253610

CATALOG NUMBER: J3-UL-80L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	393.4	393.4	393.4	393.4	393.4
2.5°	396.8	394.5	391.1	391.1	390.0
5°	394.5	393.4	391.1	391.1	391.1
7.5°	392.3	392.3	390.0	391.1	390.0
10°	388.9	390.0	388.9	391.1	390.0
12.5°	384.4	386.6	386.6	390.0	388.9
15°	381.0	382.1	383.3	387.8	386.6
17.5°	375.4	377.6	379.9	385.5	385.5
20°	368.7	372.0	375.4	382.1	382.1
22.5°	363.0	366.4	369.8	377.6	379.9
25°	356.3	358.5	364.2	372.0	375.4
27.5°	348.4	350.7	357.4	365.3	369.8
30°	338.3	342.8	349.5	358.5	363.0
32.5°	329.3	333.8	339.4	350.7	355.2
35°	318.1	322.6	330.4	340.6	346.2
37.5°	309.1	313.6	320.3	330.4	337.2
40°	297.8	301.2	309.1	319.2	325.9
42.5°	286.6	291.1	297.8	309.1	314.7
45°	275.4	277.6	285.5	295.6	302.3
47.5°	263.0	265.3	272.0	283.2	287.7
50°	249.5	252.9	258.5	268.6	273.1
52.5°	233.8	238.3	245.0	252.9	258.5
55°	220.3	223.7	229.3	237.2	243.9
57.5°	205.7	209.1	214.7	222.5	229.3
60°	188.8	192.2	197.8	207.9	213.5
62.5°	172.0	176.5	181.0	191.1	201.2
65°	156.2	159.6	165.2	181.0	189.9
67.5°	138.2	142.7	148.4	170.8	184.3
70°	120.3	124.8	134.9	165.2	173.1
72.5°	103.4	106.8	123.6	152.9	155.1
75°	84.3	89.9	116.9	130.4	131.5
77.5°	65.2	73.1	100.0	109.0	110.1
80°	48.3	60.7	79.8	86.5	87.7
82.5°	33.7	51.7	61.8	67.4	67.4
85°	19.1	36.0	45.0	51.7	50.6
87.5°	11.2	23.6	33.7	39.3	38.2
90°	2.2	3.4	4.5	3.4	3.4
92.5°	29.2	94.4	25.9	25.9	24.7
95°	56.2	445.1	373.1	55.1	53.9
97.5°	80.9	540.6	927.3	1107.1	769.9
100°	109.0	642.9	987.9	1219.5	1292.5
102.5°	136.0	686.7	1041.9	1256.6	1329.6
105°	168.6	707.0	1104.8	1304.9	1366.7
107.5°	200.1	717.1	1174.5	1346.5	1406.1
110°	231.5	723.8	1220.6	1393.7	1442.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	264.1	728.3	1202.6	1449.9	1491.5
115°	297.8	732.8	1190.3	1482.5	1537.6
117.5°	328.2	736.2	1180.1	1451.0	1538.7
120°	357.4	740.7	1166.7	1428.5	1507.2
122.5°	384.4	746.3	1155.4	1408.3	1481.4
125°	413.6	749.7	1141.9	1386.9	1455.5
127.5°	438.3	754.2	1128.4	1361.1	1430.8
130°	465.3	762.0	1112.7	1338.6	1402.7
132.5°	488.9	767.7	1097.0	1313.9	1379.1
135°	510.3	769.9	1080.1	1285.8	1348.7
137.5°	533.9	768.8	1061.0	1257.7	1316.1
140°	553.0	764.3	1040.8	1227.3	1282.4
142.5°	571.0	760.9	1018.3	1195.9	1247.6
145°	587.8	753.0	996.9	1161.0	1210.5
147.5°	603.6	745.2	979.0	1125.1	1170.0
150°	618.2	733.9	956.5	1083.5	1128.4
152.5°	631.7	724.9	929.5	1047.5	1085.7
155°	641.8	717.1	900.3	1016.0	1048.6
157.5°	653.0	711.5	865.4	975.6	1010.4
160°	662.0	705.8	831.7	929.5	962.1
162.5°	669.9	701.3	792.4	884.5	916.0
165°	675.5	698.0	756.4	831.7	859.8
167.5°	680.0	694.6	732.8	776.6	803.6
170°	684.5	693.5	713.7	739.6	749.7
172.5°	687.9	693.5	701.3	713.7	718.2
175°	689.0	692.3	693.5	698.0	699.1
177.5°	691.2	693.5	690.1	691.2	691.2
180°	690.1	690.1	690.1	690.1	690.1

(END OF REPORT)