

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: P275255

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275255
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-80L92765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 6259.2 lumens
Efficiency: N/A
Efficacy: 100.6 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

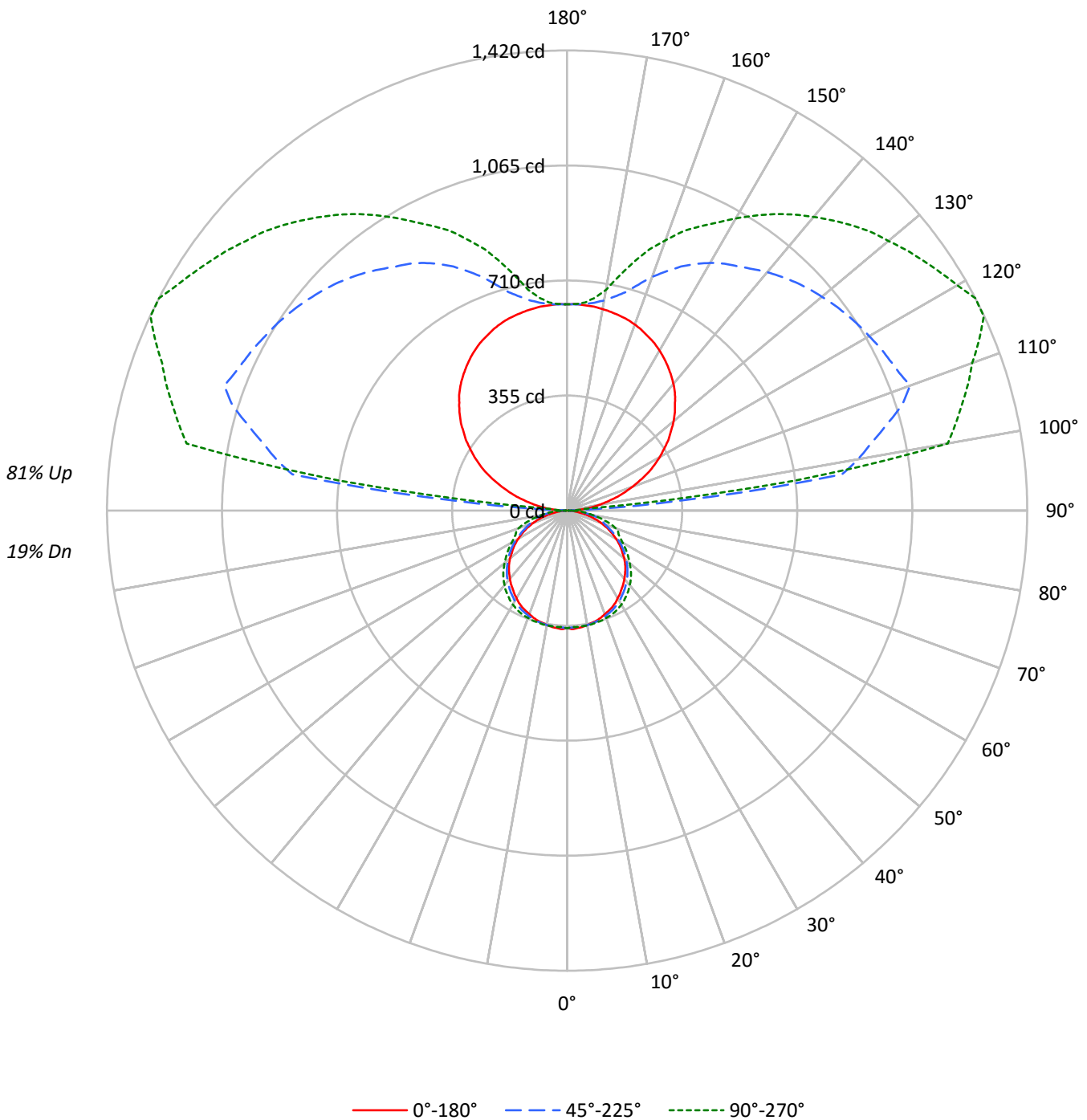
Input Watts (W): 62.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2930	2930	2930
5°	2950	2925	2925
10°	2941	2941	2949
15°	2938	2955	2981
20°	2922	2976	3029
25°	2928	2993	3086
30°	2909	3006	3122
35°	2893	3005	3148
40°	2896	3006	3169
45°	2901	3007	3184
50°	2891	2995	3165
55°	2860	2977	3167
60°	2813	2947	3181
65°	2753	2911	3349
70°	2620	2936	3770
75°	2427	3362	3784
80°	2073	3422	3761
85°	1630	3844	4326



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	0.6
10°-20°	100.2	1.6
20°-30°	155.3	2.5
30°-40°	191.6	3.1
40°-50°	204.2	3.3
50°-60°	190.3	3.0
60°-70°	155.5	2.5
70°-80°	107.2	1.7
80°-90°	42.4	0.7
90°-100°	368.9	5.9
100°-110°	945.4	15.1
110°-120°	978.9	15.6
120°-130°	871.6	13.9
130°-140°	725.7	11.6
140°-150°	552.5	8.8
150°-160°	371.8	5.9
160°-170°	201.5	3.2
170°-180°	61.8	1.0
0°-30°	290.0	4.6
0°-40°	481.6	7.7
0°-60°	876.1	14.0
0°-90°	1181.2	18.9
90°-120°	2293.2	36.6
90°-150°	4442.9	71.0
90°-180°	5078.0	81.1
0°-180°	6259.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	363	363	363	363	363	
5°	364	363	361	361	361	35
15°	352	353	354	358	357	99
25°	329	331	336	343	346	151
35°	294	298	305	314	319	184
45°	254	256	263	273	279	196
55°	203	206	212	219	225	181
65°	144	147	152	167	175	142
75°	78	83	108	120	121	82
85°	18	33	42	48	47	21
90°	2	3	4	3	3	6
95°	52	411	344	51	50	52
105°	156	652	1019	1204	1261	164
115°	275	676	1098	1368	1419	270
125°	382	692	1054	1280	1343	340
135°	471	710	996	1186	1244	364
145°	542	695	920	1071	1117	339
155°	592	662	831	937	968	273
165°	623	644	698	767	793	176
175°	636	639	640	644	645	61
180°	637	637	637	637	637	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	362.9	362.9	362.9	362.9	362.9
2.5°	366.1	364.0	360.9	360.9	359.8
5°	364.0	362.9	360.9	360.9	360.9
7.5°	361.9	361.9	359.8	360.9	359.8
10°	358.8	359.8	358.8	360.9	359.8
12.5°	354.6	356.7	356.7	359.8	358.8
15°	351.5	352.6	353.6	357.8	356.7
17.5°	346.4	348.4	350.5	355.7	355.7
20°	340.1	343.2	346.4	352.6	352.6
22.5°	334.9	338.1	341.2	348.4	350.5
25°	328.7	330.8	336.0	343.2	346.4
27.5°	321.5	323.5	329.8	337.0	341.2
30°	312.1	316.3	322.5	330.8	334.9
32.5°	303.8	308.0	313.2	323.5	327.7
35°	293.5	297.6	304.9	314.2	319.4
37.5°	285.2	289.3	295.5	304.9	311.1
40°	274.8	277.9	285.2	294.5	300.7
42.5°	264.4	268.6	274.8	285.2	290.4
45°	254.1	256.1	263.4	272.7	278.9
47.5°	242.7	244.7	251.0	261.3	265.5
50°	230.2	233.3	238.5	247.8	252.0
52.5°	215.7	219.8	226.1	233.3	238.5
55°	203.2	206.4	211.5	218.8	225.0
57.5°	189.8	192.9	198.1	205.3	211.5
60°	174.2	177.3	182.5	191.8	197.0
62.5°	158.7	162.8	167.0	176.3	185.6
65°	144.1	147.3	152.4	167.0	175.3
67.5°	127.5	131.7	136.9	157.6	170.1
70°	111.0	115.1	124.4	152.4	159.7
72.5°	95.4	98.5	114.1	141.0	143.1
75°	77.8	83.0	107.8	120.3	121.3
77.5°	60.1	67.4	92.3	100.6	101.6
80°	44.6	56.0	73.6	79.8	80.9
82.5°	31.1	47.7	57.0	62.2	62.2
85°	17.6	33.2	41.5	47.7	46.7
87.5°	10.4	21.8	31.1	36.3	35.3
90°	2.1	3.1	4.1	3.1	3.1
92.5°	27.0	87.1	23.9	23.9	22.8
95°	51.8	410.6	344.3	50.8	49.8
97.5°	74.7	498.8	855.5	1021.4	710.3
100°	100.6	593.2	911.5	1125.1	1192.5
102.5°	125.5	633.6	961.3	1159.4	1226.8
105°	155.5	652.3	1019.4	1203.9	1261.0
107.5°	184.6	661.6	1083.7	1242.3	1297.3
110°	213.6	667.8	1126.2	1285.9	1330.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	243.7	672.0	1109.6	1337.7	1376.1
115°	274.8	676.1	1098.2	1367.8	1418.6
117.5°	302.8	679.2	1088.8	1338.7	1419.6
120°	329.8	683.4	1076.4	1318.0	1390.6
122.5°	354.6	688.6	1066.0	1299.3	1366.7
125°	381.6	691.7	1053.6	1279.6	1342.9
127.5°	404.4	695.8	1041.1	1255.8	1320.1
130°	429.3	703.1	1026.6	1235.1	1294.2
132.5°	451.1	708.3	1012.1	1212.2	1272.4
135°	470.8	710.3	996.5	1186.3	1244.4
137.5°	492.6	709.3	978.9	1160.4	1214.3
140°	510.2	705.2	960.2	1132.4	1183.2
142.5°	526.8	702.0	939.5	1103.4	1151.1
145°	542.3	694.8	919.8	1071.2	1116.8
147.5°	556.9	687.5	903.2	1038.0	1079.5
150°	570.3	677.2	882.5	999.7	1041.1
152.5°	582.8	668.9	857.6	966.5	1001.7
155°	592.1	661.6	830.6	937.4	967.5
157.5°	602.5	656.4	798.5	900.1	932.3
160°	610.8	651.2	767.4	857.6	887.7
162.5°	618.0	647.1	731.1	816.1	845.1
165°	623.2	644.0	697.9	767.4	793.3
167.5°	627.4	640.9	676.1	716.6	741.4
170°	631.5	639.8	658.5	682.3	691.7
172.5°	634.6	639.8	647.1	658.5	662.6
175°	635.7	638.8	639.8	644.0	645.0
177.5°	637.7	639.8	636.7	637.7	637.7
180°	636.7	636.7	636.7	636.7	636.7

(END OF REPORT)