

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: P253603

Luminaire Tested: **J3-UL-60L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L93050-1D-UNV-W2A-W-4 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5637.5 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

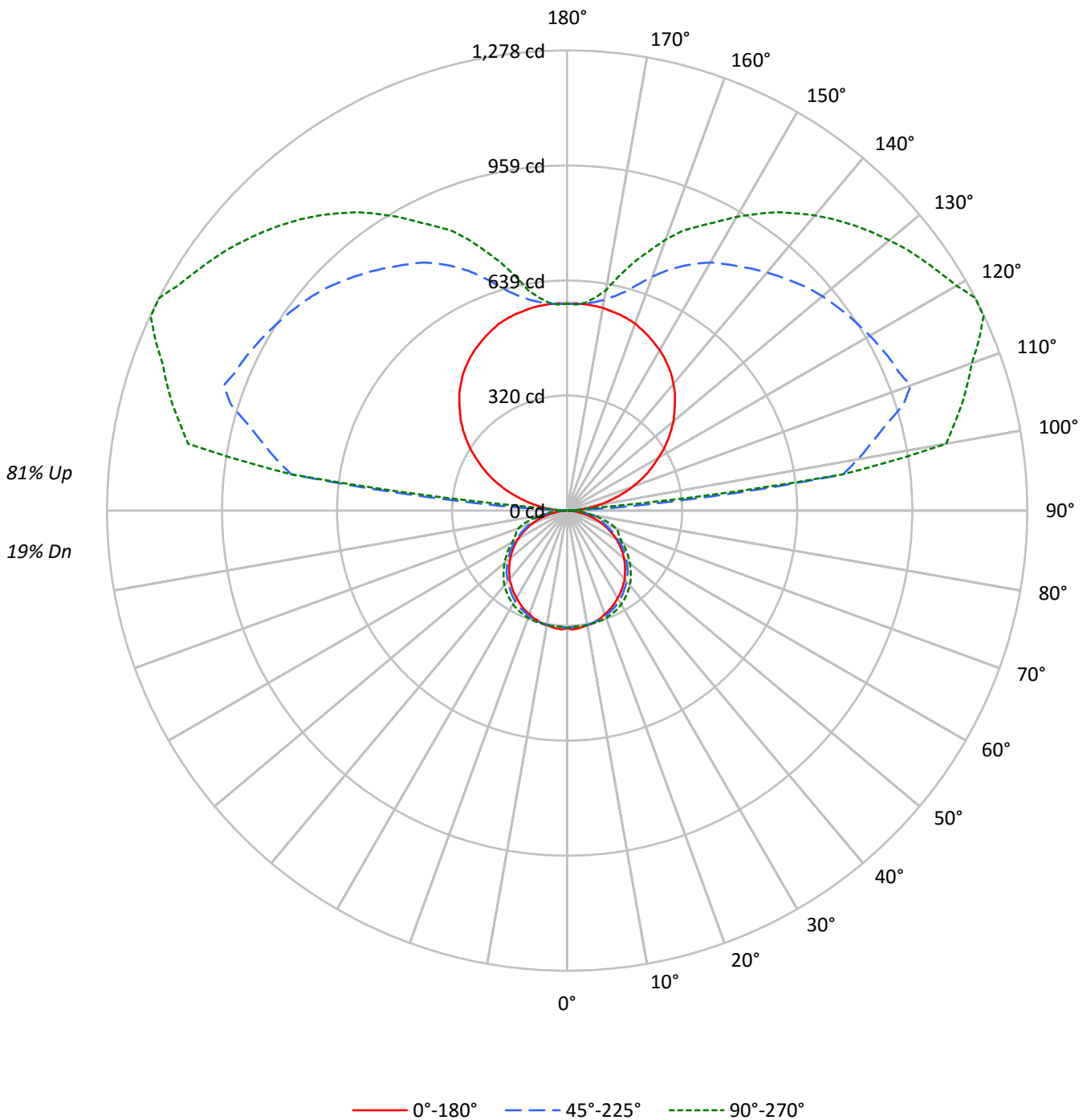
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19					19			
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15					15			
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13					13			
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10					10			
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9					9			
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8					8			
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7					7			
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6					6			
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5					5			
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5					5			
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4					4			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2634	2634	2634
5°	2662	2626	2617
10°	2647	2638	2647
15°	2643	2652	2680
20°	2629	2678	2726
25°	2626	2686	2766
30°	2612	2696	2800
35°	2617	2694	2827
40°	2621	2703	2858
45°	2595	2710	2852
50°	2586	2699	2855
55°	2566	2692	2850
60°	2543	2653	2834
65°	2451	2623	3009
70°	2363	2629	3399
75°	2177	3019	3440
80°	1883	3087	3347
85°	1464	3436	3853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	0.5
10°-20°	90.1	1.6
20°-30°	139.6	2.5
30°-40°	172.3	3.1
40°-50°	183.6	3.3
50°-60°	171.2	3.0
60°-70°	139.6	2.5
70°-80°	96.5	1.7
80°-90°	37.6	0.7
90°-100°	336.9	6.0
100°-110°	850.9	15.1
110°-120°	880.5	15.6
120°-130°	784.1	13.9
130°-140°	653.3	11.6
140°-150°	497.8	8.8
150°-160°	335.1	5.9
160°-170°	181.6	3.2
170°-180°	55.8	1.0
0°-30°	260.7	4.6
0°-40°	433.0	7.7
0°-60°	787.8	14.0
0°-90°	1061.5	18.8
90°-120°	2068.3	36.7
90°-150°	4003.6	71.0
90°-180°	4576.0	81.2
0°-180°	5637.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	326	326	326	326	326	
5°	328	326	324	325	323	31
15°	316	317	317	321	321	89
25°	295	298	302	308	310	136
35°	266	268	273	284	287	166
45°	227	231	237	245	250	176
55°	182	186	191	197	202	163
65°	128	132	137	150	158	128
75°	70	74	97	109	110	74
85°	16	29	37	42	42	18
90°	2	3	3	2	2	5
95°	47	369	289	46	45	47
105°	140	587	916	1082	1134	148
115°	245	606	991	1232	1276	242
125°	341	621	950	1151	1210	305
135°	423	639	896	1068	1122	327
145°	489	628	828	962	1012	306
155°	534	596	748	843	872	247
165°	564	579	630	692	713	159
175°	575	576	577	583	579	55
180°	575	575	575	575	575	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	326.3	326.3	326.3	326.3	326.3
2.5°	330.8	326.3	324.0	325.2	322.9
5°	328.5	326.3	324.0	325.2	322.9
7.5°	326.3	325.2	322.9	325.2	322.9
10°	322.9	322.9	321.8	324.0	322.9
12.5°	321.8	320.7	320.7	322.9	321.8
15°	316.2	317.3	317.3	320.7	320.7
17.5°	312.8	313.9	315.0	319.5	319.5
20°	306.0	309.4	311.7	317.3	317.3
22.5°	301.5	303.8	306.0	312.8	313.9
25°	294.8	298.2	301.5	308.3	310.5
27.5°	288.0	291.4	295.9	303.8	306.0
30°	280.2	284.7	289.2	297.0	300.4
32.5°	273.4	276.8	282.4	291.4	293.7
35°	265.5	267.8	273.4	283.5	286.9
37.5°	256.5	258.8	265.5	274.5	279.0
40°	248.7	250.9	256.5	265.5	271.2
42.5°	237.4	240.8	247.5	255.4	261.0
45°	227.3	230.6	237.4	245.3	249.8
47.5°	217.1	220.5	226.1	234.0	238.5
50°	205.9	209.3	214.9	222.8	227.3
52.5°	194.6	198.0	203.6	210.4	214.9
55°	182.3	185.6	191.3	196.9	202.5
57.5°	169.9	173.3	177.8	184.5	190.1
60°	157.5	159.8	164.3	172.1	175.5
62.5°	144.0	146.3	150.8	158.6	166.5
65°	128.3	131.6	137.3	149.6	157.5
67.5°	114.8	117.0	122.6	140.6	153.0
70°	100.1	103.5	111.4	137.3	144.0
72.5°	85.5	88.9	103.5	126.0	129.4
75°	69.8	74.3	96.8	109.1	110.3
77.5°	55.1	60.8	83.3	90.0	91.1
80°	40.5	50.6	66.4	70.9	72.0
82.5°	27.0	42.8	49.5	55.1	55.1
85°	15.8	29.3	37.1	41.6	41.6
87.5°	9.0	19.1	28.1	32.6	31.5
90°	2.3	3.4	3.4	2.3	2.3
92.5°	25.9	82.1	22.5	21.4	21.4
95°	47.3	369.0	289.2	46.1	45.0
97.5°	67.5	447.8	773.0	935.0	771.8
100°	90.0	541.2	820.2	1013.7	1068.9
102.5°	114.8	573.8	865.2	1041.9	1100.4
105°	139.5	587.3	915.8	1082.4	1134.1
107.5°	166.5	596.3	978.9	1115.0	1165.6
110°	193.5	600.8	1014.9	1155.5	1196.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	219.4	604.2	999.1	1201.6	1237.6
115°	245.3	606.4	991.2	1232.0	1275.9
117.5°	268.9	609.8	981.1	1203.9	1278.1
120°	292.5	613.2	971.0	1184.7	1248.9
122.5°	318.4	617.7	959.7	1169.0	1228.6
125°	340.9	621.1	949.6	1151.0	1209.5
127.5°	363.4	624.4	937.2	1131.9	1190.4
130°	384.8	632.3	926.0	1112.7	1167.9
132.5°	403.9	636.8	912.5	1091.4	1145.4
135°	423.0	639.1	895.6	1067.7	1121.7
137.5°	443.3	637.9	879.8	1045.2	1097.0
140°	459.0	636.8	863.0	1018.2	1070.0
142.5°	475.9	633.4	846.1	991.2	1040.7
145°	489.4	627.8	828.1	962.0	1011.5
147.5°	502.9	621.1	812.3	931.6	976.6
150°	514.2	610.9	795.5	899.0	941.7
152.5°	524.3	603.1	773.0	869.7	904.6
155°	534.4	596.3	748.2	842.7	872.0
157.5°	543.4	591.8	721.2	810.1	841.6
160°	552.4	586.2	690.8	775.2	801.1
162.5°	558.1	582.8	659.3	733.6	755.0
165°	563.7	579.4	630.1	691.9	713.3
167.5°	567.1	577.2	609.8	648.1	667.2
170°	571.6	576.1	594.1	616.6	621.1
172.5°	573.8	576.1	583.9	595.2	596.3
175°	574.9	576.1	577.2	582.8	579.4
177.5°	576.1	577.2	573.8	577.2	572.7
180°	574.9	574.9	574.9	574.9	574.9

(END OF REPORT)