

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: P253310

Luminaire Tested: **J3-UL-50L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-50L835-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

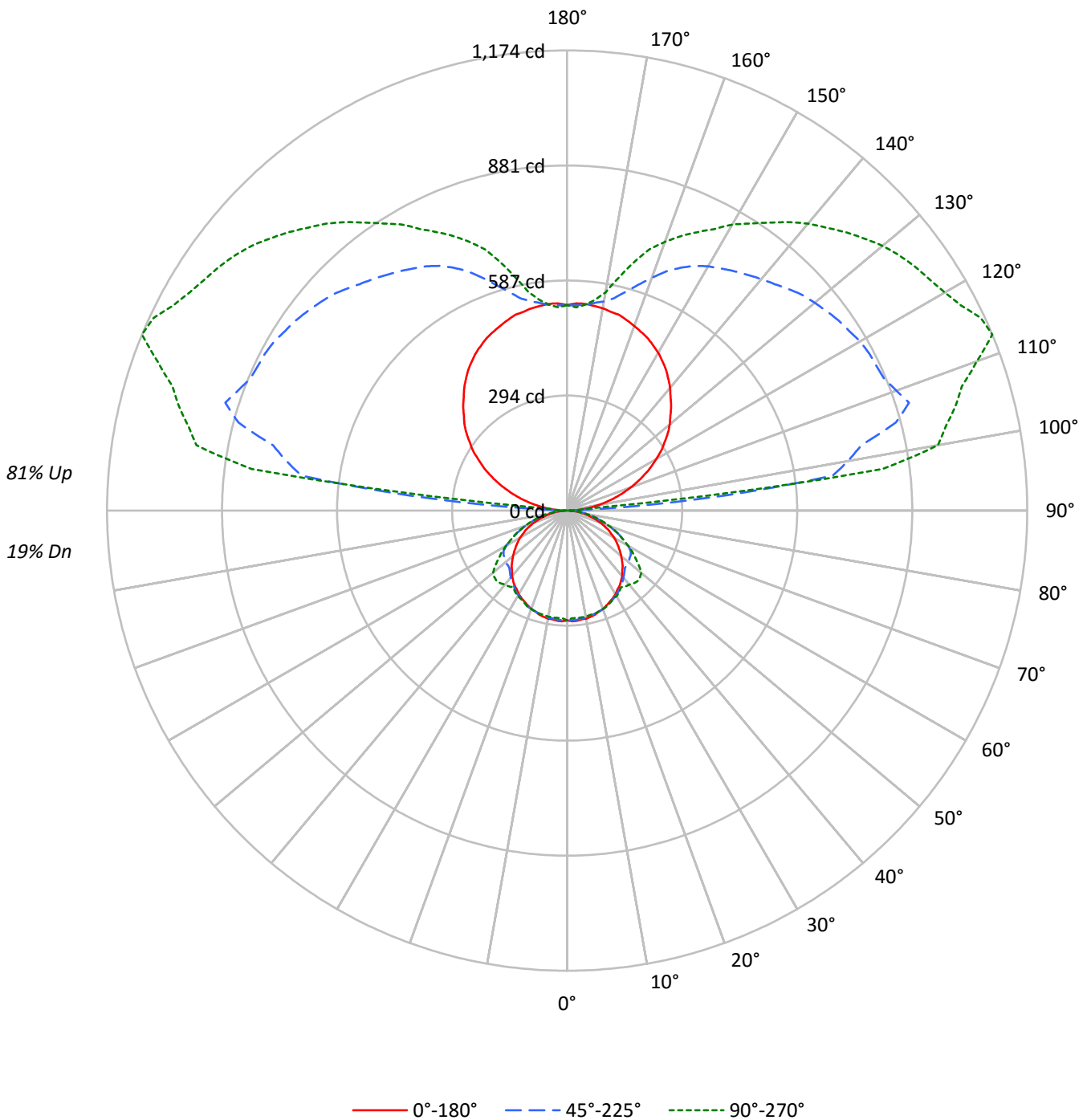
Lumens per Lamp: N/A
Luminaire Lumens: 5075.8 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 33.5
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	36	30	28	26	18	17	16	10
4	68	58	50	44	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	43	38	55	45	39	34	34	30	26	24	21	19	14	13	11	7
6	57	46	38	32	50	40	34	29	31	26	23	21	18	16	13	11	10	6
7	53	41	33	28	46	36	30	25	28	23	20	19	16	14	12	10	9	6
8	49	37	30	24	43	33	26	22	25	20	17	18	15	12	11	9	8	5
9	45	33	26	21	40	30	24	19	23	18	15	16	13	11	10	8	7	4
10	42	30	24	19	37	27	21	17	21	16	13	15	12	10	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2260	2260	2260
5°	2290	2269	2228
10°	2295	2275	2253
15°	2298	2276	2276
20°	2296	2296	2296
25°	2288	2311	2311
30°	2299	2323	2347
35°	2304	2330	2354
40°	2302	2355	2599
45°	2288	2376	2903
50°	2258	2581	3097
55°	2242	2784	3001
60°	2239	2903	2903
65°	2208	2797	2797
70°	2122	2667	2667
75°	2002	2483	2564
80°	1911	2390	2390
85°	1667	2853	2381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	0.5
10°-20°	77.0	1.5
20°-30°	119.3	2.4
30°-40°	148.7	2.9
40°-50°	169.5	3.3
50°-60°	169.3	3.3
60°-70°	134.8	2.7
70°-80°	83.0	1.6
80°-90°	29.7	0.6
90°-100°	315.5	6.2
100°-110°	768.5	15.1
110°-120°	785.7	15.5
120°-130°	697.3	13.7
130°-140°	583.6	11.5
140°-150°	446.5	8.8
150°-160°	303.8	6.0
160°-170°	166.2	3.3
170°-180°	50.8	1.0
0°-30°	222.8	4.4
0°-40°	371.5	7.3
0°-60°	710.3	14.0
0°-90°	957.9	18.9
90°-120°	1869.7	36.8
90°-150°	3597.1	70.9
90°-180°	4118.0	81.1
0°-180°	5075.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	280	280	280	280	280	
5°	283	278	280	278	275	27
15°	275	272	272	272	272	77
25°	257	257	260	260	260	119
35°	234	234	236	239	239	146
45°	200	200	208	242	254	154
55°	159	162	198	213	213	143
65°	116	123	146	146	146	114
75°	64	80	80	82	82	68
85°	18	26	31	28	26	20
90°	5	10	5	0	0	6
95°	41	337	337	41	41	42
105°	126	516	868	971	1025	133
115°	218	527	871	1089	1164	216
125°	303	545	845	1028	1084	272
135°	375	568	799	958	1004	289
145°	439	563	745	866	897	274
155°	486	534	683	768	784	224
165°	516	527	578	637	655	145
175°	529	524	527	529	527	50
180°	524	524	524	524	524	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	280.0	280.0	280.0	280.0	280.0
2.5°	282.6	280.0	280.0	277.5	274.9
5°	282.6	277.5	280.0	277.5	274.9
7.5°	280.0	277.5	277.5	277.5	274.9
10°	280.0	274.9	277.5	274.9	274.9
12.5°	277.5	274.9	274.9	274.9	272.3
15°	274.9	272.3	272.3	272.3	272.3
17.5°	269.8	267.2	269.8	269.8	269.8
20°	267.2	264.6	267.2	267.2	267.2
22.5°	262.1	259.5	264.6	264.6	264.6
25°	256.9	256.9	259.5	259.5	259.5
27.5°	251.8	251.8	254.3	256.9	254.3
30°	246.6	244.1	249.2	251.8	251.8
32.5°	238.9	238.9	244.1	244.1	246.6
35°	233.8	233.8	236.4	238.9	238.9
37.5°	226.1	226.1	231.2	233.8	244.1
40°	218.4	218.4	223.5	236.4	246.6
42.5°	208.1	210.7	215.8	236.4	251.8
45°	200.4	200.4	208.1	241.5	254.3
47.5°	190.1	192.7	205.5	241.5	251.8
50°	179.8	182.4	205.5	238.9	246.6
52.5°	169.6	172.1	200.4	228.7	231.2
55°	159.3	161.9	197.8	213.2	213.2
57.5°	149.0	151.6	192.7	197.8	197.8
60°	138.7	141.3	179.8	179.8	179.8
62.5°	125.9	128.5	161.9	161.9	161.9
65°	115.6	123.3	146.4	146.4	146.4
67.5°	102.8	113.0	128.5	131.0	131.0
70°	89.9	105.3	113.0	113.0	113.0
72.5°	77.1	95.1	95.1	97.6	97.6
75°	64.2	79.6	79.6	82.2	82.2
77.5°	51.4	64.2	64.2	66.8	66.8
80°	41.1	48.8	51.4	51.4	51.4
82.5°	30.8	38.5	38.5	38.5	38.5
85°	18.0	25.7	30.8	28.3	25.7
87.5°	10.3	20.6	20.6	18.0	15.4
90°	5.1	10.3	5.1	0.0	0.0
92.5°	25.7	84.8	25.7	18.0	18.0
95°	41.1	336.6	336.6	41.1	41.1
97.5°	59.1	416.2	683.4	860.7	811.9
100°	79.6	519.0	727.1	899.2	960.9
102.5°	102.8	511.3	768.2	932.6	989.1
105°	125.9	516.4	868.4	971.1	1025.1
107.5°	149.0	516.4	914.6	996.8	1055.9
110°	172.1	516.4	894.1	1102.2	1112.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	195.3	521.5	876.1	1109.9	1174.1
115°	218.4	526.7	871.0	1089.3	1163.8
117.5°	241.5	529.3	868.4	1063.6	1133.0
120°	262.1	531.8	863.2	1053.4	1112.5
122.5°	285.2	537.0	853.0	1040.5	1097.0
125°	303.2	544.7	845.3	1027.7	1084.2
127.5°	323.7	549.8	835.0	1014.8	1068.8
130°	341.7	557.5	824.7	994.3	1050.8
132.5°	357.1	565.2	814.4	978.9	1027.7
135°	375.1	567.8	799.0	958.3	1004.5
137.5°	390.5	570.4	783.6	940.3	978.9
140°	408.5	567.8	770.8	914.6	955.7
142.5°	423.9	565.2	757.9	888.9	927.5
145°	439.3	562.6	745.1	865.8	896.6
147.5°	452.2	557.5	732.2	840.1	868.4
150°	465.0	549.8	719.4	817.0	842.7
152.5°	475.3	542.1	704.0	791.3	809.3
155°	485.6	534.4	683.4	768.2	783.6
157.5°	493.3	529.3	660.3	742.5	757.9
160°	501.0	526.7	632.0	716.8	729.6
162.5°	508.7	526.7	603.8	683.4	698.8
165°	516.4	526.7	578.1	637.2	655.1
167.5°	519.0	524.1	554.9	593.5	608.9
170°	524.1	524.1	542.1	560.1	565.2
172.5°	526.7	524.1	534.4	542.1	542.1
175°	529.3	524.1	526.7	529.3	526.7
177.5°	529.3	524.1	524.1	524.1	519.0
180°	524.1	524.1	524.1	524.1	524.1

(END OF REPORT)