

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: P253311

Luminaire Tested: **J3-UL-60L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253311
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-60L835-1D-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

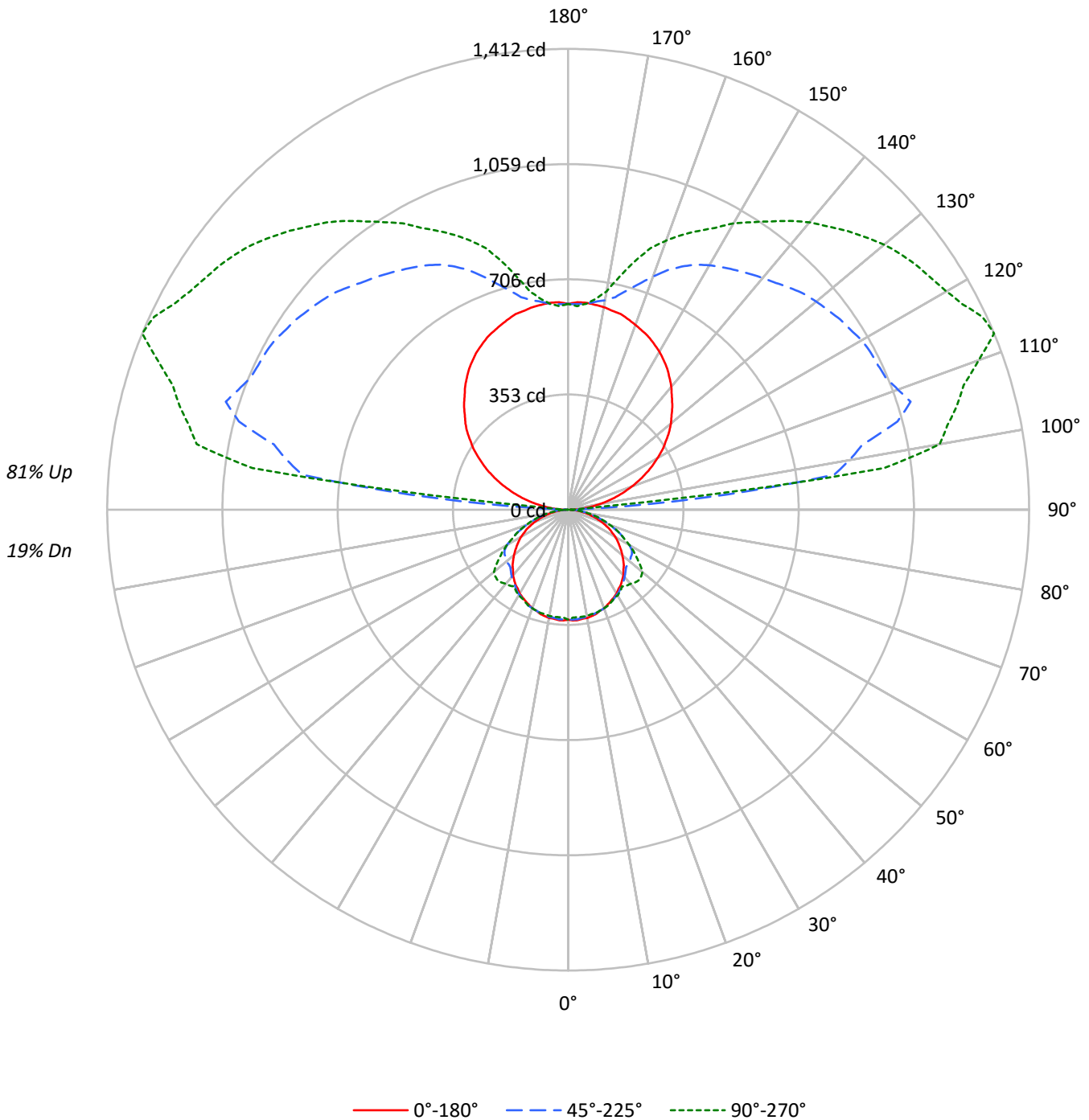
Lumens per Lamp: N/A
Luminaire Lumens: 6103.7 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
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	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°	2719	2719	2719
5°	2754	2729	2679
10°	2761	2735	2710
15°	2763	2737	2737
20°	2760	2760	2760
25°	2752	2779	2779
30°	2765	2794	2823
35°	2770	2801	2831
40°	2767	2833	3126
45°	2751	2857	3492
50°	2717	3105	3725
55°	2695	3348	3609
60°	2693	3492	3492
65°	2655	3364	3364
70°	2552	3208	3208
75°	2408	2988	3085
80°	2297	2873	2873
85°	2001	3436	2862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	0.5
10°-20°	92.5	1.5
20°-30°	143.5	2.4
30°-40°	178.8	2.9
40°-50°	203.9	3.3
50°-60°	203.6	3.3
60°-70°	162.2	2.7
70°-80°	99.9	1.6
80°-90°	35.7	0.6
90°-100°	379.4	6.2
100°-110°	924.1	15.1
110°-120°	944.8	15.5
120°-130°	838.5	13.7
130°-140°	701.7	11.5
140°-150°	536.9	8.8
150°-160°	365.3	6.0
160°-170°	199.9	3.3
170°-180°	61.1	1.0
0°-30°	267.9	4.4
0°-40°	446.7	7.3
0°-60°	854.2	14.0
0°-90°	1152.0	18.9
90°-120°	2248.3	36.8
90°-150°	4325.5	70.9
90°-180°	4952.0	81.1
0°-180°	6103.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	337	337	337	337	337	
5°	340	334	337	334	331	32
15°	331	328	328	328	328	93
25°	309	309	312	312	312	143
35°	281	281	284	287	287	175
45°	241	241	250	290	306	185
55°	192	195	238	256	256	171
65°	139	148	176	176	176	136
75°	77	96	96	99	99	82
85°	22	31	37	34	31	24
90°	6	12	6	0	0	8
95°	49	405	405	49	49	50
105°	151	621	1044	1168	1233	160
115°	263	633	1047	1310	1400	260
125°	365	655	1016	1236	1304	327
135°	451	683	961	1152	1208	348
145°	528	677	896	1041	1078	330
155°	584	643	822	924	942	269
165°	621	633	695	766	788	175
175°	636	630	633	636	633	60
180°	630	630	630	630	630	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	336.8	336.8	336.8	336.8	336.8
2.5°	339.8	336.8	336.8	333.7	330.6
5°	339.8	333.7	336.8	333.7	330.6
7.5°	336.8	333.7	333.7	333.7	330.6
10°	336.8	330.6	333.7	330.6	330.6
12.5°	333.7	330.6	330.6	330.6	327.5
15°	330.6	327.5	327.5	327.5	327.5
17.5°	324.4	321.3	324.4	324.4	324.4
20°	321.3	318.2	321.3	321.3	321.3
22.5°	315.1	312.0	318.2	318.2	318.2
25°	308.9	308.9	312.0	312.0	312.0
27.5°	302.8	302.8	305.9	308.9	305.9
30°	296.6	293.5	299.7	302.8	302.8
32.5°	287.3	287.3	293.5	293.5	296.6
35°	281.1	281.1	284.2	287.3	287.3
37.5°	271.9	271.9	278.1	281.1	293.5
40°	262.6	262.6	268.8	284.2	296.6
42.5°	250.2	253.3	259.5	284.2	302.8
45°	241.0	241.0	250.2	290.4	305.9
47.5°	228.6	231.7	247.2	290.4	302.8
50°	216.3	219.4	247.2	287.3	296.6
52.5°	203.9	207.0	241.0	275.0	278.1
55°	191.5	194.6	237.9	256.4	256.4
57.5°	179.2	182.3	231.7	237.9	237.9
60°	166.8	169.9	216.3	216.3	216.3
62.5°	151.4	154.5	194.6	194.6	194.6
65°	139.0	148.3	176.1	176.1	176.1
67.5°	123.6	135.9	154.5	157.6	157.6
70°	108.1	126.7	135.9	135.9	135.9
72.5°	92.7	114.3	114.3	117.4	117.4
75°	77.2	95.8	95.8	98.9	98.9
77.5°	61.8	77.2	77.2	80.3	80.3
80°	49.4	58.7	61.8	61.8	61.8
82.5°	37.1	46.3	46.3	46.3	46.3
85°	21.6	30.9	37.1	34.0	30.9
87.5°	12.4	24.7	24.7	21.6	18.5
90°	6.2	12.4	6.2	0.0	0.0
92.5°	30.9	102.0	30.9	21.6	21.6
95°	49.4	404.7	404.7	49.4	49.4
97.5°	71.1	500.5	821.8	1035.0	976.3
100°	95.8	624.1	874.3	1081.3	1155.5
102.5°	123.6	614.8	923.7	1121.5	1189.4
105°	151.4	621.0	1044.2	1167.8	1232.7
107.5°	179.2	621.0	1099.8	1198.7	1269.8
110°	207.0	621.0	1075.1	1325.4	1337.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	234.8	627.2	1053.5	1334.6	1411.9
115°	262.6	633.3	1047.3	1309.9	1399.5
117.5°	290.4	636.4	1044.2	1279.0	1362.5
120°	315.1	639.5	1038.1	1266.7	1337.7
122.5°	342.9	645.7	1025.7	1251.2	1319.2
125°	364.6	655.0	1016.4	1235.8	1303.8
127.5°	389.3	661.1	1004.1	1220.3	1285.2
130°	410.9	670.4	991.7	1195.6	1263.6
132.5°	429.4	679.7	979.4	1177.1	1235.8
135°	451.1	682.8	960.8	1152.4	1208.0
137.5°	469.6	685.9	942.3	1130.7	1177.1
140°	491.2	682.8	926.8	1099.8	1149.3
142.5°	509.8	679.7	911.4	1069.0	1115.3
145°	528.3	676.6	895.9	1041.1	1078.2
147.5°	543.7	670.4	880.5	1010.3	1044.2
150°	559.2	661.1	865.0	982.4	1013.3
152.5°	571.6	651.9	846.5	951.6	973.2
155°	583.9	642.6	821.8	923.7	942.3
157.5°	593.2	636.4	794.0	892.9	911.4
160°	602.4	633.3	760.0	862.0	877.4
162.5°	611.7	633.3	726.0	821.8	840.3
165°	621.0	633.3	695.1	766.2	787.8
167.5°	624.1	630.3	667.3	713.7	732.2
170°	630.3	630.3	651.9	673.5	679.7
172.5°	633.3	630.3	642.6	651.9	651.9
175°	636.4	630.3	633.3	636.4	633.3
177.5°	636.4	630.3	630.3	630.3	624.1
180°	630.3	630.3	630.3	630.3	630.3

(END OF REPORT)