

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: P253312

Luminaire Tested: **J3-UL-80L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253312
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-80L835-1D-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

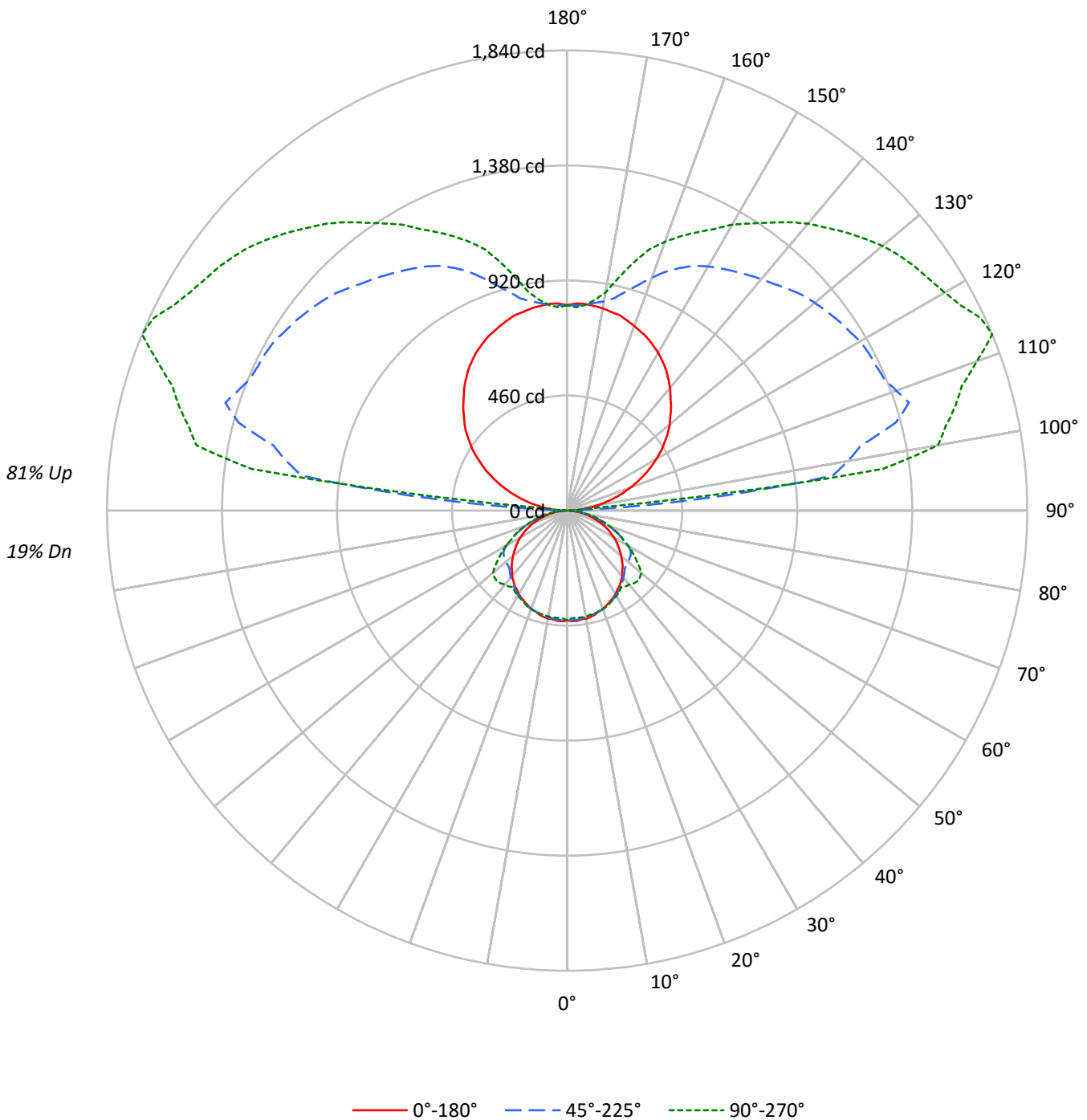
Lumens per Lamp: N/A
Luminaire Lumens: 7953.2 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 57.2
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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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	36	30	28	26	18	17	16	10				10
4	68	58	50	44	60	51	45	40	39	34	31	27	24	22	16	15	13	9				9
5	62	51	43	38	55	45	39	34	34	30	26	24	21	19	14	13	11	7				7
6	57	46	38	32	50	40	34	29	31	26	23	21	18	16	13	11	10	6				6
7	53	41	33	28	46	36	30	25	28	23	20	19	16	14	12	10	9	6				6
8	49	37	30	24	43	33	26	22	25	20	17	18	15	12	11	9	8	5				5
9	45	33	26	21	40	30	24	19	23	18	15	16	13	11	10	8	7	4				4
10	42	30	24	19	37	27	21	17	21	16	13	15	12	10	9	7	6	4				4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3542	3542	3542
5°	3588	3556	3490
10°	3597	3564	3531
15°	3600	3566	3566
20°	3597	3597	3597
25°	3586	3622	3622
30°	3603	3640	3677
35°	3610	3650	3690
40°	3606	3691	4073
45°	3585	3723	4550
50°	3539	4044	4854
55°	3513	4363	4702
60°	3510	4550	4550
65°	3461	4384	4384
70°	3326	4180	4180
75°	3138	3893	4017
80°	2994	3742	3742
85°	2612	4474	3733



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	0.5
10°-20°	120.6	1.5
20°-30°	186.9	2.4
30°-40°	233.0	2.9
40°-50°	265.6	3.3
50°-60°	265.3	3.3
60°-70°	211.3	2.7
70°-80°	130.1	1.6
80°-90°	46.6	0.6
90°-100°	494.3	6.2
100°-110°	1204.1	15.1
110°-120°	1231.1	15.5
120°-130°	1092.5	13.7
130°-140°	914.4	11.5
140°-150°	699.6	8.8
150°-160°	476.0	6.0
160°-170°	260.4	3.3
170°-180°	79.6	1.0
0°-30°	349.1	4.4
0°-40°	582.1	7.3
0°-60°	1113.0	14.0
0°-90°	1501.0	18.9
90°-120°	2929.6	36.8
90°-150°	5636.1	70.9
90°-180°	6452.0	81.1
0°-180°	7953.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	439	439	439	439	439	
5°	443	435	439	435	431	42
15°	431	427	427	427	427	121
25°	403	403	407	407	407	186
35°	366	366	370	374	374	229
45°	314	314	326	378	398	241
55°	250	254	310	334	334	223
65°	181	193	230	230	230	178
75°	101	125	125	129	129	107
85°	28	40	48	44	40	32
90°	8	16	8	0	0	10
95°	64	527	527	64	64	65
105°	197	809	1361	1522	1606	208
115°	342	825	1365	1707	1824	338
125°	475	853	1324	1610	1699	426
135°	588	890	1252	1502	1574	453
145°	688	882	1167	1357	1405	430
155°	761	837	1071	1204	1228	350
165°	809	825	906	998	1026	228
175°	829	821	825	829	825	79
180°	821	821	821	821	821	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	438.8	438.8	438.8	438.8	438.8
2.5°	442.8	438.8	438.8	434.8	430.7
5°	442.8	434.8	438.8	434.8	430.7
7.5°	438.8	434.8	434.8	434.8	430.7
10°	438.8	430.7	434.8	430.7	430.7
12.5°	434.8	430.7	430.7	430.7	426.7
15°	430.7	426.7	426.7	426.7	426.7
17.5°	422.7	418.7	422.7	422.7	422.7
20°	418.7	414.6	418.7	418.7	418.7
22.5°	410.6	406.6	414.6	414.6	414.6
25°	402.6	402.6	406.6	406.6	406.6
27.5°	394.5	394.5	398.5	402.6	398.5
30°	386.5	382.4	390.5	394.5	394.5
32.5°	374.4	374.4	382.4	382.4	386.5
35°	366.3	366.3	370.4	374.4	374.4
37.5°	354.2	354.2	362.3	366.3	382.4
40°	342.2	342.2	350.2	370.4	386.5
42.5°	326.1	330.1	338.1	370.4	394.5
45°	314.0	314.0	326.1	378.4	398.5
47.5°	297.9	301.9	322.0	378.4	394.5
50°	281.8	285.8	322.0	374.4	386.5
52.5°	265.7	269.7	314.0	358.3	362.3
55°	249.6	253.6	310.0	334.1	334.1
57.5°	233.5	237.5	301.9	310.0	310.0
60°	217.4	221.4	281.8	281.8	281.8
62.5°	197.3	201.3	253.6	253.6	253.6
65°	181.2	193.2	229.5	229.5	229.5
67.5°	161.0	177.1	201.3	205.3	205.3
70°	140.9	165.0	177.1	177.1	177.1
72.5°	120.8	148.9	148.9	153.0	153.0
75°	100.6	124.8	124.8	128.8	128.8
77.5°	80.5	100.6	100.6	104.7	104.7
80°	64.4	76.5	80.5	80.5	80.5
82.5°	48.3	60.4	60.4	60.4	60.4
85°	28.2	40.3	48.3	44.3	40.3
87.5°	16.1	32.2	32.2	28.2	24.2
90°	8.1	16.1	8.1	0.0	0.0
92.5°	40.3	132.8	40.3	28.2	28.2
95°	64.4	527.3	527.3	64.4	64.4
97.5°	92.6	652.1	1070.8	1348.6	1272.1
100°	124.8	813.2	1139.2	1408.9	1505.6
102.5°	161.0	801.1	1203.6	1461.3	1549.8
105°	197.3	809.1	1360.6	1521.7	1606.2
107.5°	233.5	809.1	1433.1	1561.9	1654.5
110°	269.7	809.1	1400.9	1727.0	1743.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	305.9	817.2	1372.7	1739.0	1839.7
115°	342.2	825.2	1364.7	1706.8	1823.6
117.5°	378.4	829.3	1360.6	1666.6	1775.3
120°	410.6	833.3	1352.6	1650.5	1743.1
122.5°	446.8	841.3	1336.5	1630.4	1718.9
125°	475.0	853.4	1324.4	1610.2	1698.8
127.5°	507.2	861.5	1308.3	1590.1	1674.6
130°	535.4	873.5	1292.2	1557.9	1646.5
132.5°	559.6	885.6	1276.1	1533.7	1610.2
135°	587.7	889.6	1251.9	1501.5	1574.0
137.5°	611.9	893.7	1227.8	1473.4	1533.7
140°	640.1	889.6	1207.7	1433.1	1497.5
142.5°	664.2	885.6	1187.5	1392.8	1453.2
145°	688.4	881.6	1167.4	1356.6	1404.9
147.5°	708.5	873.5	1147.3	1316.4	1360.6
150°	728.6	861.5	1127.2	1280.1	1320.4
152.5°	744.7	849.4	1103.0	1239.9	1268.1
155°	760.8	837.3	1070.8	1203.6	1227.8
157.5°	772.9	829.3	1034.6	1163.4	1187.5
160°	785.0	825.2	990.3	1123.1	1143.3
162.5°	797.1	825.2	946.0	1070.8	1095.0
165°	809.1	825.2	905.8	998.3	1026.5
167.5°	813.2	821.2	869.5	929.9	954.1
170°	821.2	821.2	849.4	877.6	885.6
172.5°	825.2	821.2	837.3	849.4	849.4
175°	829.3	821.2	825.2	829.3	825.2
177.5°	829.3	821.2	821.2	821.2	813.2
180°	821.2	821.2	821.2	821.2	821.2

(END OF REPORT)