

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: P253308

Luminaire Tested: **J3-UL-30L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253308
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-30L835-1D-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

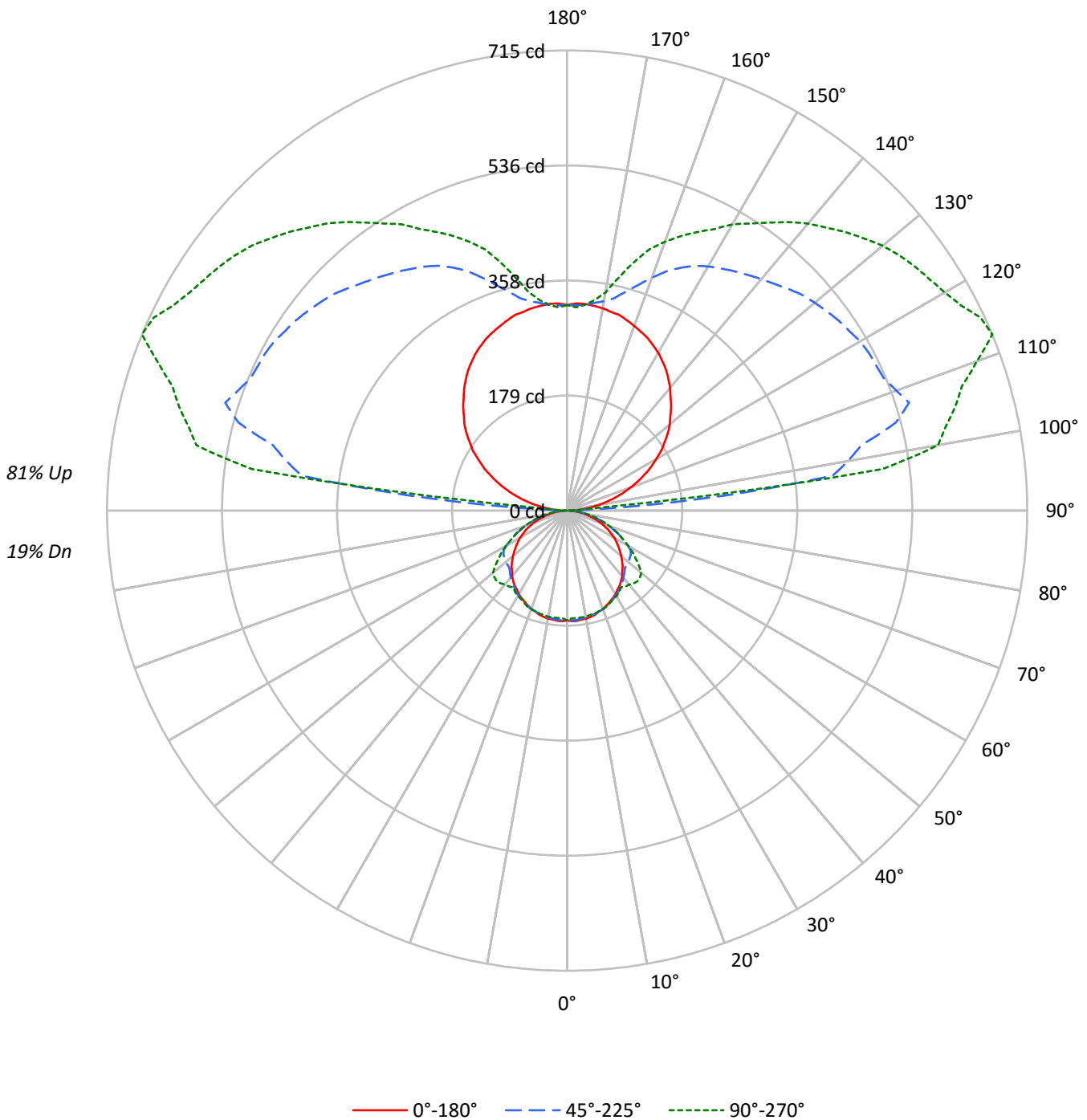
Lumens per Lamp: N/A
Luminaire Lumens: 3091.5 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
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°	1377	1377	1377
5°	1395	1383	1357
10°	1398	1385	1372
15°	1399	1387	1387
20°	1398	1398	1398
25°	1394	1407	1407
30°	1400	1415	1429
35°	1403	1419	1434
40°	1402	1434	1583
45°	1394	1447	1768
50°	1375	1572	1886
55°	1365	1696	1828
60°	1364	1768	1768
65°	1345	1704	1704
70°	1293	1626	1626
75°	1220	1513	1563
80°	1162	1455	1455
85°	1019	1741	1445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.5
10°-20°	46.9	1.5
20°-30°	72.7	2.4
30°-40°	90.6	2.9
40°-50°	103.3	3.3
50°-60°	103.1	3.3
60°-70°	82.1	2.7
70°-80°	50.6	1.6
80°-90°	18.1	0.6
90°-100°	192.1	6.2
100°-110°	468.0	15.1
110°-120°	478.6	15.5
120°-130°	424.7	13.7
130°-140°	355.4	11.5
140°-150°	272.0	8.8
150°-160°	185.0	6.0
160°-170°	101.2	3.3
170°-180°	31.0	1.0
0°-30°	135.7	4.4
0°-40°	226.2	7.3
0°-60°	432.6	14.0
0°-90°	583.5	18.9
90°-120°	1138.8	36.8
90°-150°	2190.8	70.9
90°-180°	2508.0	81.1
0°-180°	3091.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	171	171	171	171	171	
5°	172	169	171	169	167	16
15°	167	166	166	166	166	47
25°	156	156	158	158	158	72
35°	142	142	144	146	146	89
45°	122	122	127	147	155	94
55°	97	99	120	130	130	87
65°	70	75	89	89	89	69
75°	39	48	48	50	50	41
85°	11	16	19	17	16	12
90°	3	6	3	0	0	4
95°	25	205	205	25	25	25
105°	77	314	529	592	624	81
115°	133	321	530	664	709	131
125°	185	332	515	626	660	165
135°	228	346	487	584	612	176
145°	268	343	454	527	546	167
155°	296	326	416	468	477	136
165°	314	321	352	388	399	89
175°	322	319	321	322	321	31
180°	319	319	319	319	319	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	170.6	170.6	170.6	170.6	170.6
2.5°	172.1	170.6	170.6	169.0	167.4
5°	172.1	169.0	170.6	169.0	167.4
7.5°	170.6	169.0	169.0	169.0	167.4
10°	170.6	167.4	169.0	167.4	167.4
12.5°	169.0	167.4	167.4	167.4	165.9
15°	167.4	165.9	165.9	165.9	165.9
17.5°	164.3	162.7	164.3	164.3	164.3
20°	162.7	161.2	162.7	162.7	162.7
22.5°	159.6	158.0	161.2	161.2	161.2
25°	156.5	156.5	158.0	158.0	158.0
27.5°	153.3	153.3	154.9	156.5	154.9
30°	150.2	148.7	151.8	153.3	153.3
32.5°	145.5	145.5	148.7	148.7	150.2
35°	142.4	142.4	144.0	145.5	145.5
37.5°	137.7	137.7	140.8	142.4	148.7
40°	133.0	133.0	136.1	144.0	150.2
42.5°	126.7	128.3	131.4	144.0	153.3
45°	122.1	122.1	126.7	147.1	154.9
47.5°	115.8	117.4	125.2	147.1	153.3
50°	109.5	111.1	125.2	145.5	150.2
52.5°	103.3	104.8	122.1	139.3	140.8
55°	97.0	98.6	120.5	129.9	129.9
57.5°	90.8	92.3	117.4	120.5	120.5
60°	84.5	86.1	109.5	109.5	109.5
62.5°	76.7	78.2	98.6	98.6	98.6
65°	70.4	75.1	89.2	89.2	89.2
67.5°	62.6	68.9	78.2	79.8	79.8
70°	54.8	64.2	68.9	68.9	68.9
72.5°	46.9	57.9	57.9	59.5	59.5
75°	39.1	48.5	48.5	50.1	50.1
77.5°	31.3	39.1	39.1	40.7	40.7
80°	25.0	29.7	31.3	31.3	31.3
82.5°	18.8	23.5	23.5	23.5	23.5
85°	11.0	15.6	18.8	17.2	15.6
87.5°	6.3	12.5	12.5	11.0	9.4
90°	3.1	6.3	3.1	0.0	0.0
92.5°	15.6	51.6	15.6	11.0	11.0
95°	25.0	205.0	205.0	25.0	25.0
97.5°	36.0	253.5	416.2	524.2	494.5
100°	48.5	316.1	442.8	547.7	585.2
102.5°	62.6	311.4	467.9	568.0	602.4
105°	76.7	314.5	528.9	591.5	624.4
107.5°	90.8	314.5	557.1	607.1	643.1
110°	104.8	314.5	544.5	671.3	677.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	118.9	317.7	533.6	676.0	715.1
115°	133.0	320.8	530.5	663.5	708.9
117.5°	147.1	322.3	528.9	647.8	690.1
120°	159.6	323.9	525.8	641.6	677.6
122.5°	173.7	327.0	519.5	633.7	668.2
125°	184.6	331.7	514.8	625.9	660.3
127.5°	197.2	334.9	508.6	618.1	651.0
130°	208.1	339.6	502.3	605.6	640.0
132.5°	217.5	344.3	496.0	596.2	625.9
135°	228.5	345.8	486.7	583.7	611.8
137.5°	237.8	347.4	477.3	572.7	596.2
140°	248.8	345.8	469.4	557.1	582.1
142.5°	258.2	344.3	461.6	541.4	564.9
145°	267.6	342.7	453.8	527.3	546.1
147.5°	275.4	339.6	446.0	511.7	528.9
150°	283.2	334.9	438.1	497.6	513.3
152.5°	289.5	330.2	428.8	482.0	492.9
155°	295.7	325.5	416.2	467.9	477.3
157.5°	300.4	322.3	402.2	452.2	461.6
160°	305.1	320.8	384.9	436.6	444.4
162.5°	309.8	320.8	367.7	416.2	425.6
165°	314.5	320.8	352.1	388.1	399.0
167.5°	316.1	319.2	338.0	361.5	370.9
170°	319.2	319.2	330.2	341.1	344.3
172.5°	320.8	319.2	325.5	330.2	330.2
175°	322.3	319.2	320.8	322.3	320.8
177.5°	322.3	319.2	319.2	319.2	316.1
180°	319.2	319.2	319.2	319.2	319.2

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