

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: P253314

Luminaire Tested: **J3-UL-30L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253314
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-30L840-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
Light Source: (224) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

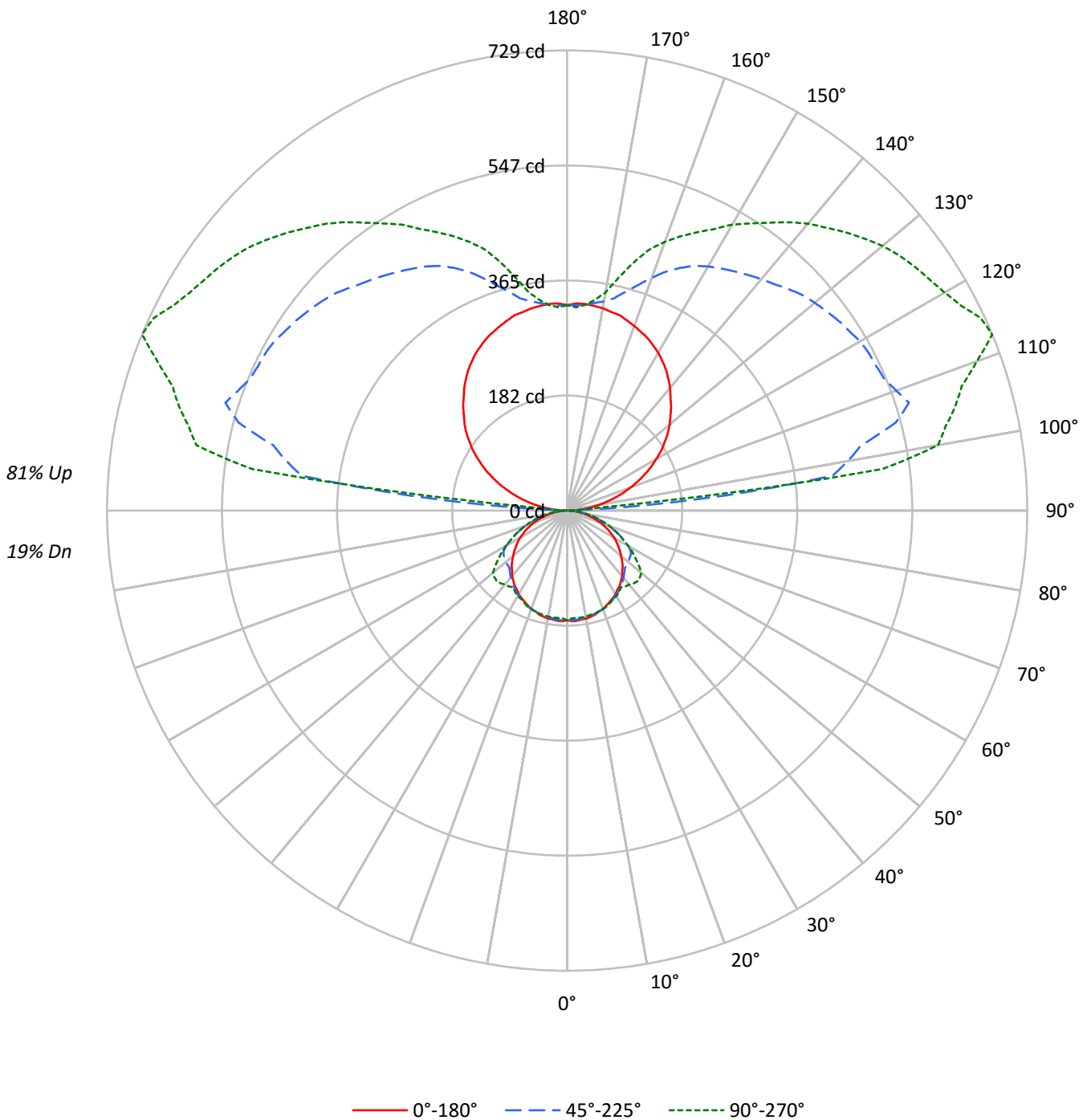
Lumens per Lamp: N/A
Luminaire Lumens: 3151.0 lumens
Efficiency: N/A
Efficacy: 159.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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°	1403	1403	1403
5°	1421	1408	1383
10°	1425	1412	1399
15°	1427	1413	1413
20°	1425	1425	1425
25°	1421	1435	1435
30°	1427	1442	1457
35°	1430	1446	1462
40°	1429	1463	1613
45°	1420	1475	1803
50°	1402	1603	1923
55°	1392	1728	1863
60°	1390	1802	1802
65°	1372	1736	1736
70°	1317	1657	1657
75°	1245	1541	1591
80°	1186	1483	1483
85°	1037	1769	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.5
10°-20°	47.8	1.5
20°-30°	74.1	2.4
30°-40°	92.3	2.9
40°-50°	105.2	3.3
50°-60°	105.1	3.3
60°-70°	83.7	2.7
70°-80°	51.6	1.6
80°-90°	18.4	0.6
90°-100°	195.8	6.2
100°-110°	477.1	15.1
110°-120°	487.8	15.5
120°-130°	432.8	13.7
130°-140°	362.3	11.5
140°-150°	277.2	8.8
150°-160°	188.6	6.0
160°-170°	103.2	3.3
170°-180°	31.6	1.0
0°-30°	138.3	4.4
0°-40°	230.6	7.3
0°-60°	441.0	14.0
0°-90°	594.7	18.9
90°-120°	1160.7	36.8
90°-150°	2233.0	70.9
90°-180°	2556.0	81.1
0°-180°	3151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	174	174	174	174	174	
5°	175	172	174	172	171	17
15°	171	169	169	169	169	48
25°	160	160	161	161	161	74
35°	145	145	147	148	148	91
45°	124	124	129	150	158	96
55°	99	100	123	132	132	88
65°	72	77	91	91	91	70
75°	40	49	49	51	51	42
85°	11	16	19	18	16	13
90°	3	6	3	0	0	4
95°	26	209	209	26	26	26
105°	78	321	539	603	636	82
115°	136	327	541	676	722	134
125°	188	338	525	638	673	169
135°	233	352	496	595	624	180
145°	273	349	462	538	557	170
155°	301	332	424	477	486	139
165°	321	327	359	396	407	90
175°	328	325	327	328	327	31
180°	325	325	325	325	325	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	173.8	173.8	173.8	173.8	173.8
2.5°	175.4	173.8	173.8	172.2	170.7
5°	175.4	172.2	173.8	172.2	170.7
7.5°	173.8	172.2	172.2	172.2	170.7
10°	173.8	170.7	172.2	170.7	170.7
12.5°	172.2	170.7	170.7	170.7	169.1
15°	170.7	169.1	169.1	169.1	169.1
17.5°	167.5	165.9	167.5	167.5	167.5
20°	165.9	164.3	165.9	165.9	165.9
22.5°	162.7	161.1	164.3	164.3	164.3
25°	159.5	159.5	161.1	161.1	161.1
27.5°	156.3	156.3	157.9	159.5	157.9
30°	153.1	151.5	154.7	156.3	156.3
32.5°	148.3	148.3	151.5	151.5	153.1
35°	145.1	145.1	146.7	148.3	148.3
37.5°	140.3	140.3	143.5	145.1	151.5
40°	135.6	135.6	138.8	146.7	153.1
42.5°	129.2	130.8	134.0	146.7	156.3
45°	124.4	124.4	129.2	149.9	157.9
47.5°	118.0	119.6	127.6	149.9	156.3
50°	111.6	113.2	127.6	148.3	153.1
52.5°	105.3	106.9	124.4	141.9	143.5
55°	98.9	100.5	122.8	132.4	132.4
57.5°	92.5	94.1	119.6	122.8	122.8
60°	86.1	87.7	111.6	111.6	111.6
62.5°	78.1	79.7	100.5	100.5	100.5
65°	71.8	76.6	90.9	90.9	90.9
67.5°	63.8	70.2	79.7	81.3	81.3
70°	55.8	65.4	70.2	70.2	70.2
72.5°	47.8	59.0	59.0	60.6	60.6
75°	39.9	49.4	49.4	51.0	51.0
77.5°	31.9	39.9	39.9	41.5	41.5
80°	25.5	30.3	31.9	31.9	31.9
82.5°	19.1	23.9	23.9	23.9	23.9
85°	11.2	15.9	19.1	17.5	15.9
87.5°	6.4	12.8	12.8	11.2	9.6
90°	3.2	6.4	3.2	0.0	0.0
92.5°	15.9	52.6	15.9	11.2	11.2
95°	25.5	208.9	208.9	25.5	25.5
97.5°	36.7	258.4	424.2	534.3	504.0
100°	49.4	322.2	451.4	558.2	596.5
102.5°	63.8	317.4	476.9	578.9	614.0
105°	78.1	320.6	539.1	602.9	636.4
107.5°	92.5	320.6	567.8	618.8	655.5
110°	106.9	320.6	555.0	684.2	690.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	121.2	323.8	543.9	689.0	728.9
115°	135.6	327.0	540.7	676.2	722.5
117.5°	149.9	328.5	539.1	660.3	703.3
120°	162.7	330.1	535.9	653.9	690.6
122.5°	177.0	333.3	529.5	645.9	681.0
125°	188.2	338.1	524.7	638.0	673.0
127.5°	201.0	341.3	518.3	630.0	663.5
130°	212.1	346.1	512.0	617.2	652.3
132.5°	221.7	350.9	505.6	607.7	638.0
135°	232.9	352.5	496.0	594.9	623.6
137.5°	242.4	354.1	486.4	583.7	607.7
140°	253.6	352.5	478.5	567.8	593.3
142.5°	263.2	350.9	470.5	551.8	575.8
145°	272.7	349.3	462.5	537.5	556.6
147.5°	280.7	346.1	454.5	521.5	539.1
150°	288.7	341.3	446.6	507.2	523.1
152.5°	295.1	336.5	437.0	491.2	502.4
155°	301.4	331.7	424.2	476.9	486.4
157.5°	306.2	328.5	409.9	460.9	470.5
160°	311.0	327.0	392.3	445.0	452.9
162.5°	315.8	327.0	374.8	424.2	433.8
165°	320.6	327.0	358.8	395.5	406.7
167.5°	322.2	325.4	344.5	368.4	378.0
170°	325.4	325.4	336.5	347.7	350.9
172.5°	327.0	325.4	331.7	336.5	336.5
175°	328.5	325.4	327.0	328.5	327.0
177.5°	328.5	325.4	325.4	325.4	322.2
180°	325.4	325.4	325.4	325.4	325.4

(END OF REPORT)