

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: P275184

Luminaire Tested: **J3-UL-30L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L82765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2843.8 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

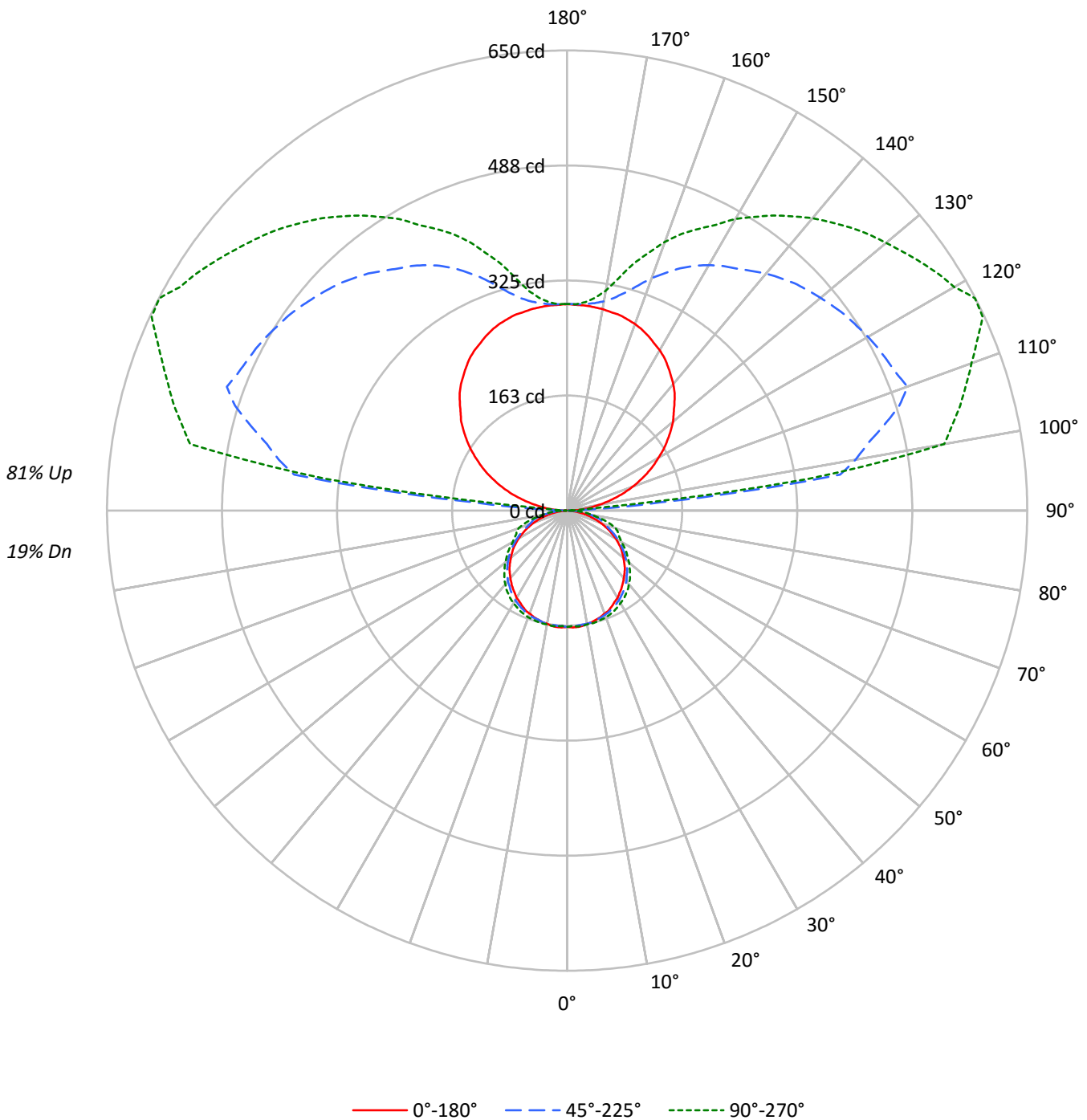
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1326	1326	1326
5°	1339	1323	1331
10°	1331	1331	1339
15°	1333	1333	1357
20°	1330	1346	1379
25°	1329	1354	1396
30°	1328	1364	1408
35°	1321	1368	1423
40°	1313	1373	1432
45°	1315	1369	1434
50°	1304	1364	1434
55°	1302	1355	1436
60°	1280	1342	1432
65°	1244	1316	1515
70°	1180	1336	1716
75°	1089	1532	1737
80°	967	1534	1669
85°	787	1751	1927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.5
10°-20°	45.4	1.6
20°-30°	70.4	2.5
30°-40°	87.1	3.1
40°-50°	92.8	3.3
50°-60°	86.5	3.0
60°-70°	70.5	2.5
70°-80°	48.4	1.7
80°-90°	18.9	0.7
90°-100°	166.1	5.8
100°-110°	429.7	15.1
110°-120°	445.4	15.7
120°-130°	395.9	13.9
130°-140°	330.0	11.6
140°-150°	251.6	8.8
150°-160°	169.5	6.0
160°-170°	91.9	3.2
170°-180°	28.2	1.0
0°-30°	131.4	4.6
0°-40°	218.4	7.7
0°-60°	397.7	14.0
0°-90°	535.4	18.8
90°-120°	1041.2	36.6
90°-150°	2018.7	71.0
90°-180°	2308.0	81.2
0°-180°	2843.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	164	164	164	164	164	
5°	165	164	163	163	164	16
15°	160	160	160	161	162	45
25°	149	150	152	156	157	69
35°	134	135	139	144	144	84
45°	115	117	120	125	126	89
55°	92	94	96	100	102	82
65°	65	67	69	76	79	64
75°	35	38	49	55	56	37
85°	8	15	19	21	21	10
90°	1	2	2	1	1	3
95°	24	186	131	23	23	24
105°	72	297	463	546	575	75
115°	125	307	499	623	648	123
125°	173	313	480	580	611	155
135°	214	323	454	539	566	166
145°	248	317	417	487	509	155
155°	272	303	378	427	439	125
165°	286	294	319	350	361	81
175°	291	292	293	294	296	28
180°	292	292	292	292	292	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	164.3	164.3	164.3	164.3	164.3
2.5°	165.2	165.2	163.3	163.3	163.3
5°	165.2	164.3	163.3	163.3	164.3
7.5°	164.3	164.3	162.4	163.3	164.3
10°	162.4	162.4	162.4	163.3	163.3
12.5°	161.4	161.4	161.4	162.4	163.3
15°	159.5	159.5	159.5	161.4	162.4
17.5°	157.6	157.6	158.6	160.5	161.4
20°	154.8	155.8	156.7	159.5	160.5
22.5°	152.9	152.9	154.8	157.6	158.6
25°	149.2	150.1	152.0	155.8	156.7
27.5°	145.4	146.3	149.2	152.9	153.9
30°	142.5	143.5	146.3	150.1	151.0
32.5°	137.8	139.7	142.5	147.3	148.2
35°	134.0	135.0	138.8	143.5	144.4
37.5°	129.3	131.2	134.0	138.8	140.7
40°	124.6	126.5	130.3	135.0	135.9
42.5°	119.9	121.8	124.6	129.3	131.2
45°	115.2	117.1	119.9	124.6	125.6
47.5°	109.5	111.4	114.2	118.9	119.9
50°	103.8	105.7	108.6	112.3	114.2
52.5°	98.2	100.1	102.9	106.7	107.6
55°	92.5	93.5	96.3	100.1	102.0
57.5°	85.9	87.8	89.7	93.5	95.3
60°	79.3	80.2	83.1	86.8	88.7
62.5°	71.7	73.6	76.5	80.2	84.0
65°	65.1	67.0	68.9	75.5	79.3
67.5°	57.6	59.5	62.3	70.8	77.4
70°	50.0	51.9	56.6	68.9	72.7
72.5°	42.5	44.4	51.9	63.2	65.1
75°	34.9	37.8	49.1	54.8	55.7
77.5°	27.4	30.2	41.5	44.4	45.3
80°	20.8	25.5	33.0	35.9	35.9
82.5°	14.2	21.7	25.5	27.4	28.3
85°	8.5	15.1	18.9	20.8	20.8
87.5°	4.7	9.4	13.2	16.0	15.1
90°	0.9	1.9	1.9	0.9	0.9
92.5°	13.2	38.7	11.3	10.4	10.4
95°	23.6	186.0	131.2	22.7	22.7
97.5°	34.0	227.5	388.9	457.8	344.6
100°	45.3	270.0	413.5	511.6	540.9
102.5°	57.6	289.8	434.2	525.8	557.0
105°	71.7	297.4	462.6	545.6	574.9
107.5°	85.0	302.1	491.8	563.6	590.9
110°	98.2	304.0	511.6	584.3	607.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	111.4	305.9	504.1	608.9	626.8
115°	124.6	306.8	499.4	623.0	647.6
117.5°	136.9	308.7	495.6	608.9	649.5
120°	149.2	310.6	490.9	597.6	631.5
122.5°	161.4	312.5	485.2	589.1	622.1
125°	172.8	313.4	480.5	579.6	610.8
127.5°	184.1	315.3	473.9	570.2	599.4
130°	195.4	319.1	467.3	559.8	588.1
132.5°	203.9	321.9	460.7	550.4	577.7
135°	214.3	322.8	454.1	539.0	565.5
137.5°	224.7	322.8	445.6	527.7	552.2
140°	233.2	321.9	437.1	514.5	539.0
142.5°	240.7	320.0	426.7	501.3	523.9
145°	248.3	317.2	417.2	487.1	508.8
147.5°	255.8	314.4	409.7	472.0	491.8
150°	261.5	310.6	400.3	456.0	475.8
152.5°	266.2	305.9	389.9	440.8	455.0
155°	271.9	303.0	377.6	426.7	439.0
157.5°	276.6	299.2	363.4	411.6	422.9
160°	280.4	297.4	349.3	391.8	404.0
162.5°	283.2	294.5	333.2	371.9	381.4
165°	286.0	293.6	319.1	350.2	360.6
167.5°	287.0	291.7	307.7	327.6	336.1
170°	288.9	291.7	300.2	311.5	315.3
172.5°	289.8	291.7	295.5	301.1	303.0
175°	290.8	291.7	292.6	294.5	295.5
177.5°	290.8	291.7	291.7	291.7	291.7
180°	291.7	291.7	291.7	291.7	291.7

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