

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: P275194

Luminaire Tested: **J3-UL-30L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275194
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-30L92765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2660.0 lumens
Efficiency: N/A
Efficacy: 127.3 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

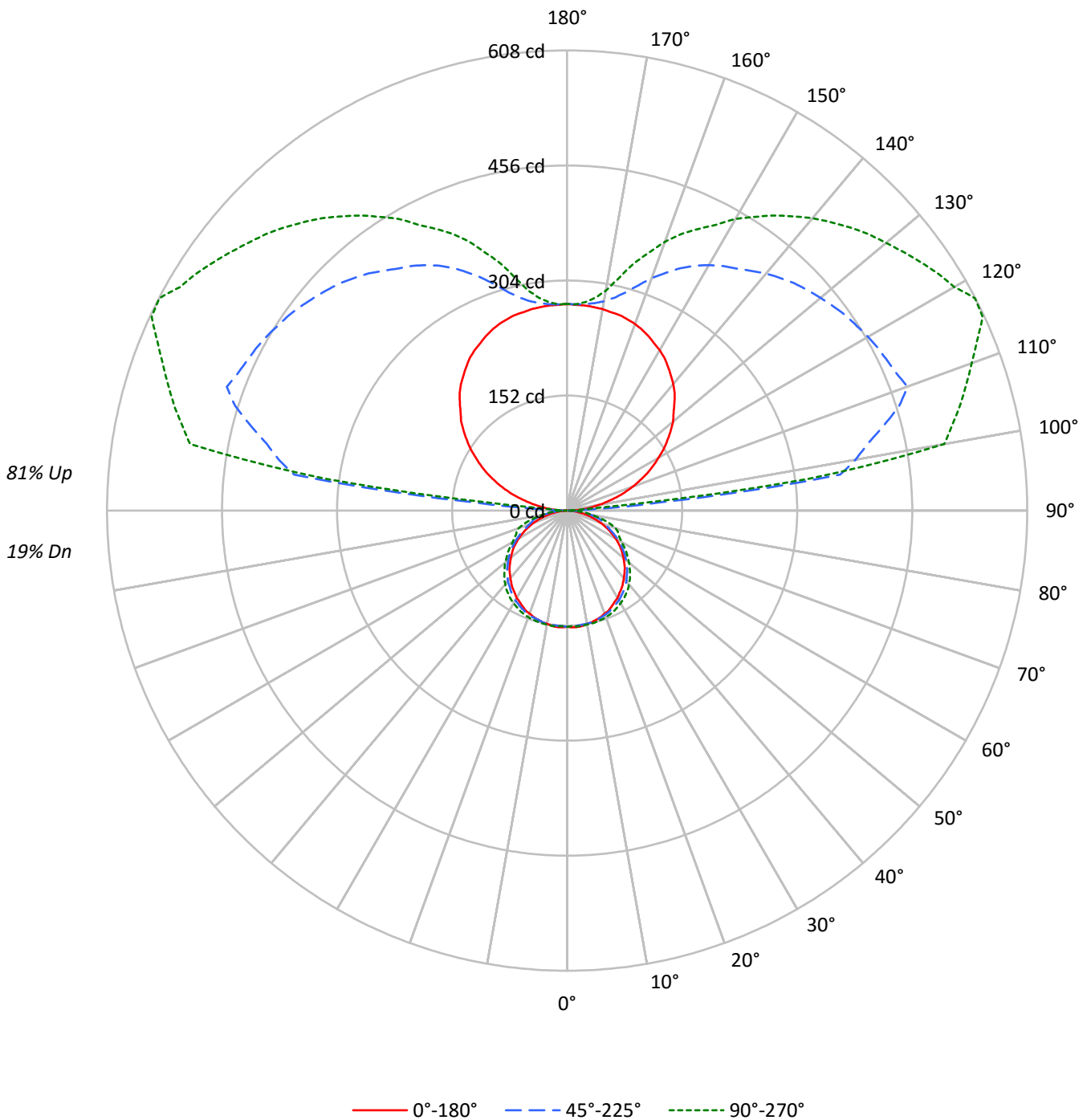
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1240	1240	1240
5°	1252	1238	1245
10°	1245	1245	1253
15°	1247	1247	1270
20°	1244	1259	1290
25°	1243	1267	1306
30°	1243	1276	1317
35°	1236	1279	1331
40°	1229	1285	1340
45°	1230	1280	1340
50°	1220	1275	1341
55°	1217	1268	1343
60°	1198	1255	1340
65°	1163	1232	1417
70°	1105	1251	1605
75°	1020	1432	1625
80°	902	1437	1562
85°	732	1639	1797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.5
10°-20°	42.4	1.6
20°-30°	65.8	2.5
30°-40°	81.4	3.1
40°-50°	86.8	3.3
50°-60°	80.9	3.0
60°-70°	65.9	2.5
70°-80°	45.3	1.7
80°-90°	17.7	0.7
90°-100°	155.4	5.8
100°-110°	401.9	15.1
110°-120°	416.6	15.7
120°-130°	370.3	13.9
130°-140°	308.6	11.6
140°-150°	235.3	8.8
150°-160°	158.6	6.0
160°-170°	85.9	3.2
170°-180°	26.4	1.0
0°-30°	122.9	4.6
0°-40°	204.3	7.7
0°-60°	372.0	14.0
0°-90°	500.9	18.8
90°-120°	974.0	36.6
90°-150°	1888.2	71.0
90°-180°	2159.0	81.2
0°-180°	2660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	154	154	154	154	154	
5°	154	154	153	153	154	15
15°	149	149	149	151	152	42
25°	140	140	142	146	147	64
35°	125	126	130	134	135	78
45°	108	110	112	117	117	83
55°	86	87	90	94	95	77
65°	61	63	64	71	74	60
75°	33	35	46	51	52	35
85°	8	14	18	19	19	9
90°	1	2	2	1	1	3
95°	22	174	123	21	21	22
105°	67	278	433	510	538	71
115°	117	287	467	583	606	115
125°	162	293	449	542	571	145
135°	200	302	425	504	529	155
145°	232	297	390	456	476	145
155°	254	283	353	399	411	117
165°	268	275	298	328	337	76
175°	272	273	274	276	276	26
180°	273	273	273	273	273	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	153.6	153.6	153.6	153.6	153.6
2.5°	154.5	154.5	152.8	152.8	152.8
5°	154.5	153.6	152.8	152.8	153.6
7.5°	153.6	153.6	151.9	152.8	153.6
10°	151.9	151.9	151.9	152.8	152.8
12.5°	151.0	151.0	151.0	151.9	152.8
15°	149.2	149.2	149.2	151.0	151.9
17.5°	147.5	147.5	148.3	150.1	151.0
20°	144.8	145.7	146.6	149.2	150.1
22.5°	143.0	143.0	144.8	147.5	148.3
25°	139.5	140.4	142.2	145.7	146.6
27.5°	136.0	136.9	139.5	143.0	143.9
30°	133.3	134.2	136.9	140.4	141.3
32.5°	128.9	130.7	133.3	137.7	138.6
35°	125.4	126.3	129.8	134.2	135.1
37.5°	121.0	122.7	125.4	129.8	131.6
40°	116.6	118.3	121.9	126.3	127.2
42.5°	112.1	113.9	116.6	121.0	122.7
45°	107.7	109.5	112.1	116.6	117.4
47.5°	102.4	104.2	106.8	111.3	112.1
50°	97.1	98.9	101.5	105.1	106.8
52.5°	91.8	93.6	96.2	99.8	100.7
55°	86.5	87.4	90.1	93.6	95.4
57.5°	80.4	82.1	83.9	87.4	89.2
60°	74.2	75.1	77.7	81.2	83.0
62.5°	67.1	68.9	71.5	75.1	78.6
65°	60.9	62.7	64.5	70.6	74.2
67.5°	53.9	55.6	58.3	66.2	72.4
70°	46.8	48.6	53.0	64.5	68.0
72.5°	39.7	41.5	48.6	59.2	60.9
75°	32.7	35.3	45.9	51.2	52.1
77.5°	25.6	28.3	38.9	41.5	42.4
80°	19.4	23.8	30.9	33.6	33.6
82.5°	13.2	20.3	23.8	25.6	26.5
85°	7.9	14.1	17.7	19.4	19.4
87.5°	4.4	8.8	12.4	15.0	14.1
90°	0.9	1.8	1.8	0.9	0.9
92.5°	12.4	36.2	10.6	9.7	9.7
95°	22.1	174.0	122.7	21.2	21.2
97.5°	31.8	212.8	363.8	428.3	322.3
100°	42.4	252.5	386.8	478.6	506.0
102.5°	53.9	271.1	406.2	491.8	521.0
105°	67.1	278.1	432.7	510.4	537.7
107.5°	79.5	282.6	460.0	527.2	552.8
110°	91.8	284.3	478.6	546.6	568.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	104.2	286.1	471.5	569.5	586.3
115°	116.6	287.0	467.1	582.8	605.7
117.5°	128.0	288.7	463.6	569.5	607.5
120°	139.5	290.5	459.2	558.9	590.7
122.5°	151.0	292.3	453.9	551.0	581.9
125°	161.6	293.2	449.4	542.2	571.3
127.5°	172.2	294.9	443.3	533.3	560.7
130°	182.8	298.5	437.1	523.6	550.1
132.5°	190.7	301.1	430.9	514.8	540.4
135°	200.4	302.0	424.7	504.2	528.9
137.5°	210.2	302.0	416.8	493.6	516.6
140°	218.1	301.1	408.8	481.2	504.2
142.5°	225.2	299.3	399.1	468.9	490.1
145°	232.2	296.7	390.3	455.6	475.9
147.5°	239.3	294.0	383.2	441.5	460.0
150°	244.6	290.5	374.4	426.5	445.0
152.5°	249.0	286.1	364.7	412.4	425.6
155°	254.3	283.4	353.2	399.1	410.6
157.5°	258.7	279.9	340.0	385.0	395.6
160°	262.3	278.1	326.7	366.4	377.9
162.5°	264.9	275.5	311.7	347.9	356.7
165°	267.5	274.6	298.5	327.6	337.3
167.5°	268.4	272.8	287.9	306.4	314.3
170°	270.2	272.8	280.8	291.4	294.9
172.5°	271.1	272.8	276.4	281.7	283.4
175°	272.0	272.8	273.7	275.5	276.4
177.5°	272.0	272.8	272.8	272.8	272.8
180°	272.8	272.8	272.8	272.8	272.8

(END OF REPORT)