

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: P275168

Luminaire Tested: **J3-UL-20L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L82765-1D-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: 2211.4 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

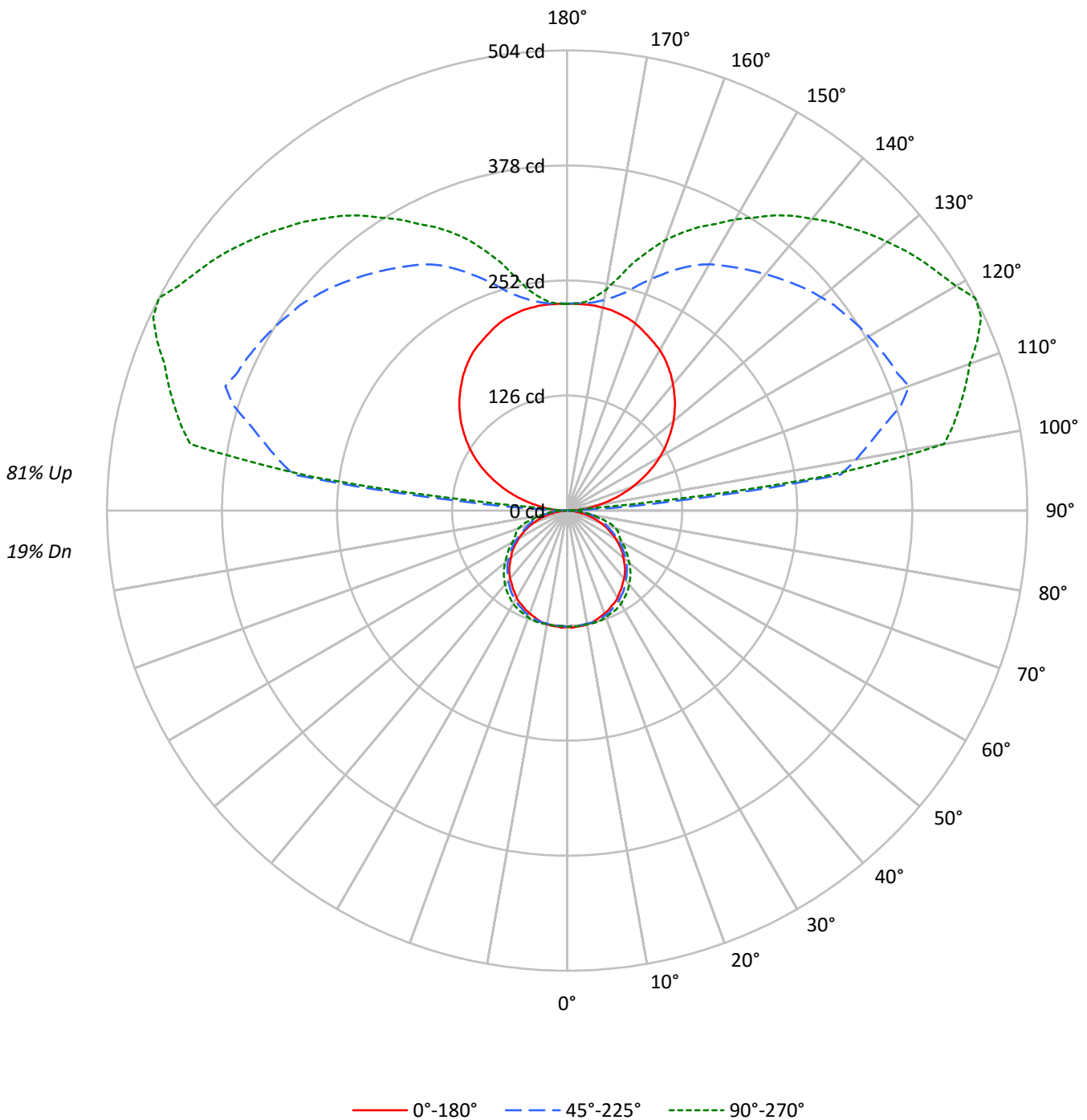
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	27	27	27	19
1	91	86	82	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	19	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°	1028	1028	1028
5°	1032	1025	1032
10°	1037	1030	1037
15°	1034	1041	1057
20°	1030	1046	1070
25°	1026	1051	1085
30°	1029	1056	1100
35°	1023	1060	1107
40°	1024	1055	1114
45°	1024	1056	1121
50°	1007	1055	1114
55°	1009	1050	1116
60°	991	1037	1112
65°	955	1028	1190
70°	913	1048	1336
75°	855	1207	1354
80°	702	1186	1316
85°	611	1315	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.5
10°-20°	35.3	1.6
20°-30°	54.7	2.5
30°-40°	67.5	3.1
40°-50°	71.9	3.3
50°-60°	67.1	3.0
60°-70°	54.9	2.5
70°-80°	37.8	1.7
80°-90°	14.7	0.7
90°-100°	131.6	6.0
100°-110°	333.5	15.1
110°-120°	345.6	15.6
120°-130°	308.2	13.9
130°-140°	256.4	11.6
140°-150°	195.2	8.8
150°-160°	131.4	5.9
160°-170°	71.4	3.2
170°-180°	22.0	1.0
0°-30°	102.1	4.6
0°-40°	169.6	7.7
0°-60°	308.6	14.0
0°-90°	416.1	18.8
90°-120°	810.8	36.7
90°-150°	1570.5	71.0
90°-180°	1795.0	81.2
0°-180°	2211.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	127	127	127	127	127	
5°	127	127	126	127	127	12
15°	124	125	125	126	126	35
25°	115	116	118	121	122	53
35°	104	105	108	111	112	65
45°	90	91	92	96	98	69
55°	72	73	75	77	79	64
65°	50	52	54	60	62	50
75°	27	29	39	42	43	29
85°	7	11	14	16	16	7
90°	1	1	1	1	1	2
95°	19	145	115	18	18	18
105°	56	230	359	424	446	59
115°	97	238	389	483	500	96
125°	135	244	373	452	476	121
135°	167	251	351	420	438	129
145°	193	246	325	378	395	121
155°	210	234	293	330	343	97
165°	223	228	247	272	281	63
175°	227	227	228	229	229	22
180°	227	227	227	227	227	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	127.4	127.4	127.4	127.4	127.4
2.5°	128.4	128.4	126.5	127.4	126.5
5°	127.4	127.4	126.5	127.4	127.4
7.5°	127.4	127.4	126.5	127.4	126.5
10°	126.5	126.5	125.6	126.5	126.5
12.5°	125.6	125.6	125.6	126.5	126.5
15°	123.7	124.6	124.6	125.6	126.5
17.5°	121.8	122.7	123.7	124.6	125.6
20°	119.9	120.8	121.8	123.7	124.6
22.5°	118.0	118.9	120.8	122.7	122.7
25°	115.2	116.1	118.0	120.8	121.8
27.5°	113.3	114.2	116.1	118.9	119.9
30°	110.4	111.4	113.3	117.1	118.0
32.5°	106.7	108.6	110.4	114.2	115.2
35°	103.8	104.8	107.6	111.4	112.3
37.5°	100.1	101.0	103.8	107.6	109.5
40°	97.2	98.2	100.1	103.8	105.7
42.5°	93.5	94.4	96.3	100.1	102.0
45°	89.7	90.6	92.5	96.3	98.2
47.5°	85.0	86.8	88.7	91.6	93.5
50°	80.2	82.1	84.0	87.8	88.7
52.5°	76.5	77.4	79.3	82.1	84.0
55°	71.7	72.7	74.6	77.4	79.3
57.5°	66.1	68.0	69.9	72.7	74.6
60°	61.4	63.2	64.2	68.0	68.9
62.5°	55.7	57.6	59.5	62.3	65.1
65°	50.0	51.9	53.8	59.5	62.3
67.5°	45.3	46.3	48.1	55.7	60.4
70°	38.7	40.6	44.4	53.8	56.6
72.5°	33.0	34.9	40.6	49.1	51.0
75°	27.4	29.3	38.7	42.5	43.4
77.5°	21.7	23.6	33.0	34.9	34.9
80°	15.1	19.8	25.5	28.3	28.3
82.5°	10.4	17.0	19.8	21.7	21.7
85°	6.6	11.3	14.2	16.0	16.0
87.5°	3.8	7.6	11.3	12.3	12.3
90°	0.9	0.9	0.9	0.9	0.9
92.5°	10.4	30.2	8.5	8.5	8.5
95°	18.9	145.4	115.2	17.9	17.9
97.5°	26.4	176.5	302.1	373.8	279.4
100°	34.9	209.6	321.0	396.5	419.1
102.5°	44.4	224.7	338.9	408.8	433.3
105°	55.7	230.3	358.7	423.9	445.6
107.5°	66.1	233.2	383.3	437.1	457.8
110°	76.5	235.1	398.4	452.2	469.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	86.8	236.0	391.8	472.0	486.2
115°	97.2	237.9	388.9	483.3	500.3
117.5°	107.6	238.8	385.2	472.0	504.1
120°	117.1	240.7	381.4	465.4	491.8
122.5°	126.5	241.7	377.6	458.8	483.3
125°	135.0	243.6	372.9	452.2	475.8
127.5°	143.5	245.4	369.1	444.6	467.3
130°	152.0	248.3	363.4	437.1	457.8
132.5°	159.5	250.2	357.8	428.6	448.4
135°	167.1	251.1	351.2	420.1	438.0
137.5°	173.7	251.1	344.6	410.6	428.6
140°	180.3	250.2	338.0	400.3	417.2
142.5°	186.9	249.2	331.3	388.9	406.9
145°	192.6	246.4	324.7	377.6	394.6
147.5°	198.2	243.6	318.1	365.3	380.4
150°	203.0	239.8	311.5	352.1	368.2
152.5°	206.7	236.9	303.0	340.8	354.0
155°	210.5	234.1	292.6	330.4	342.7
157.5°	214.3	232.2	281.3	318.1	329.5
160°	218.1	231.3	270.0	304.0	315.3
162.5°	220.9	229.4	258.7	287.9	298.3
165°	222.8	228.4	247.3	271.9	281.3
167.5°	224.7	227.5	239.8	253.9	261.5
170°	225.6	226.6	234.1	241.7	245.4
172.5°	226.6	226.6	230.3	234.1	236.0
175°	226.6	226.6	227.5	229.4	229.4
177.5°	226.6	227.5	227.5	227.5	226.6
180°	226.6	226.6	226.6	226.6	226.6

(END OF REPORT)