

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: P275181

Luminaire Tested: **J3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2209.0 lumens
Efficiency: N/A
Efficacy: 132.3 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

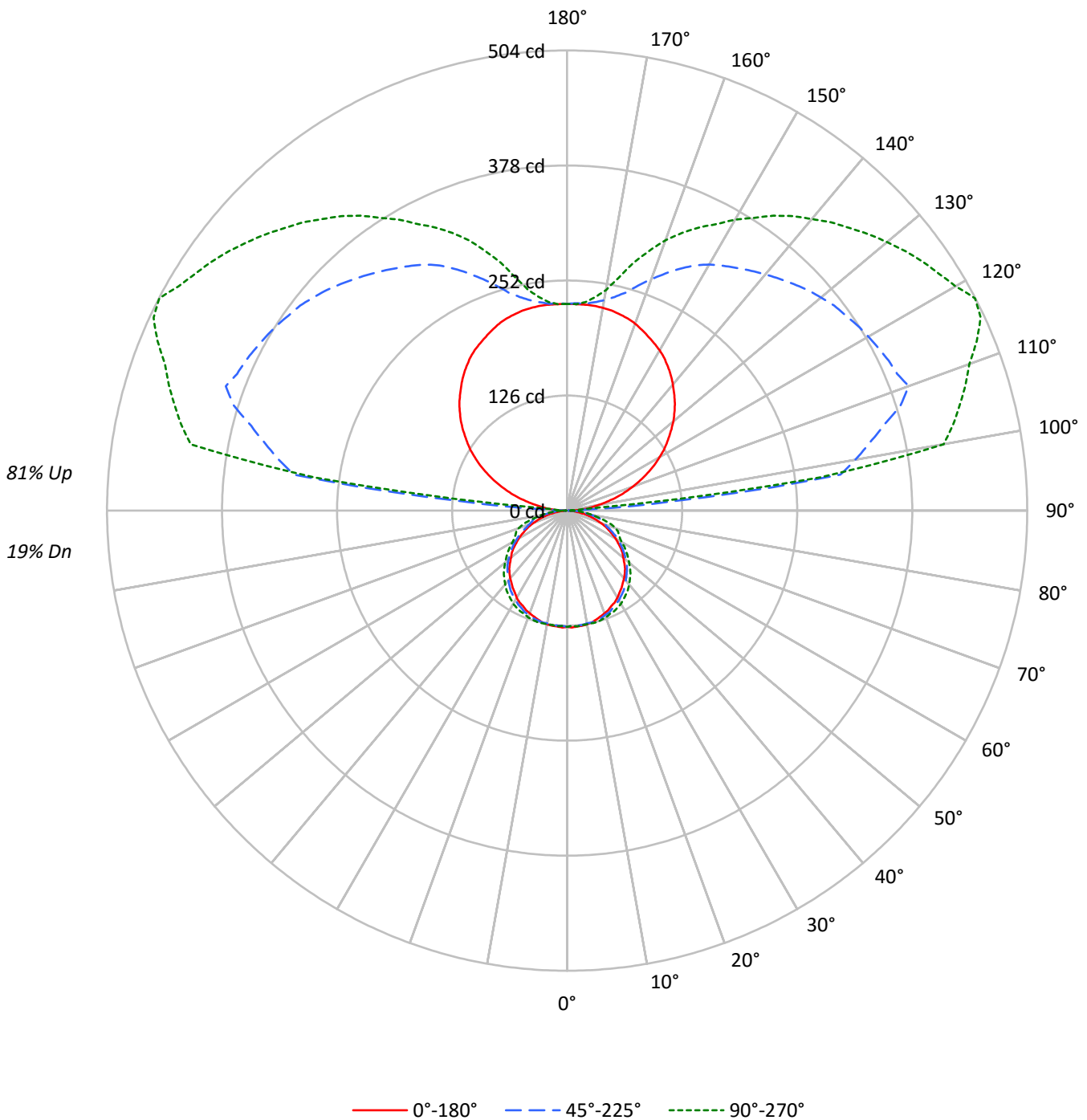
Input Watts (W): 16.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	1024	1032
10°	1036	1028	1036
15°	1032	1041	1056
20°	1029	1045	1070
25°	1024	1050	1083
30°	1028	1055	1099
35°	1022	1059	1106
40°	1023	1054	1113
45°	1023	1055	1120
50°	1007	1054	1113
55°	1009	1049	1115
60°	990	1035	1111
65°	955	1028	1188
70°	913	1046	1336
75°	852	1207	1354
80°	702	1186	1316
85°	611	1306	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.5
10°-20°	35.2	1.6
20°-30°	54.6	2.5
30°-40°	67.4	3.1
40°-50°	71.8	3.3
50°-60°	67.0	3.0
60°-70°	54.9	2.5
70°-80°	37.8	1.7
80°-90°	14.7	0.7
90°-100°	131.5	6.0
100°-110°	333.1	15.1
110°-120°	345.3	15.6
120°-130°	307.8	13.9
130°-140°	256.1	11.6
140°-150°	195.0	8.8
150°-160°	131.3	5.9
160°-170°	71.4	3.2
170°-180°	22.0	1.0
0°-30°	102.0	4.6
0°-40°	169.4	7.7
0°-60°	308.3	14.0
0°-90°	415.6	18.8
90°-120°	809.9	36.7
90°-150°	1568.8	71.0
90°-180°	1793.0	81.2
0°-180°	2209.0	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	124	124	125	126	35
25°	115	116	118	121	122	53
35°	104	105	108	111	112	65
45°	90	90	92	96	98	69
55°	72	73	74	77	79	64
65°	50	52	54	59	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	358	423	445	58
115°	97	238	388	483	500	96
125°	135	243	372	452	475	121
135°	167	251	351	420	438	129
145°	192	246	324	377	394	120
155°	210	234	292	330	342	97
165°	222	228	247	272	281	63
175°	226	226	227	229	229	22
180°	226	226	226	226	226	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	127.3	127.3	127.3	127.3	127.3
2.5°	128.2	128.2	126.4	127.3	126.4
5°	127.3	127.3	126.4	127.3	127.3
7.5°	127.3	127.3	126.4	127.3	126.4
10°	126.4	126.4	125.4	126.4	126.4
12.5°	125.4	125.4	125.4	126.4	126.4
15°	123.5	124.5	124.5	125.4	126.4
17.5°	121.6	122.6	123.5	124.5	125.4
20°	119.8	120.7	121.6	123.5	124.5
22.5°	117.9	118.8	120.7	122.6	122.6
25°	115.0	116.0	117.9	120.7	121.6
27.5°	113.2	114.1	116.0	118.8	119.8
30°	110.3	111.3	113.2	116.9	117.9
32.5°	106.6	108.4	110.3	114.1	115.0
35°	103.7	104.7	107.5	111.3	112.2
37.5°	100.0	100.9	103.7	107.5	109.4
40°	97.1	98.1	100.0	103.7	105.6
42.5°	93.4	94.3	96.2	100.0	101.8
45°	89.6	90.5	92.4	96.2	98.1
47.5°	84.9	86.8	88.6	91.5	93.4
50°	80.2	82.0	83.9	87.7	88.6
52.5°	76.4	77.3	79.2	82.0	83.9
55°	71.7	72.6	74.5	77.3	79.2
57.5°	66.0	67.9	69.8	72.6	74.5
60°	61.3	63.2	64.1	67.9	68.8
62.5°	55.6	57.5	59.4	62.2	65.1
65°	50.0	51.9	53.8	59.4	62.2
67.5°	45.3	46.2	48.1	55.6	60.4
70°	38.7	40.5	44.3	53.8	56.6
72.5°	33.0	34.9	40.5	49.0	50.9
75°	27.3	29.2	38.7	42.4	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	14.1	16.0	16.0
87.5°	3.8	7.5	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	145.2	115.0	17.9	17.9
97.5°	26.4	176.3	301.8	373.4	279.1
100°	34.9	209.3	320.6	396.1	418.7
102.5°	44.3	224.4	338.5	408.3	432.8
105°	55.6	230.1	358.3	423.4	445.1
107.5°	66.0	232.9	382.9	436.6	457.4
110°	76.4	234.8	397.9	451.7	468.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	86.8	235.8	391.3	471.5	485.6
115°	97.1	237.6	388.5	482.8	499.8
117.5°	107.5	238.6	384.7	471.5	503.6
120°	116.9	240.5	381.0	464.9	491.3
122.5°	126.4	241.4	377.2	458.3	482.8
125°	134.8	243.3	372.5	451.7	475.3
127.5°	143.3	245.2	368.7	444.2	466.8
130°	151.8	248.0	363.1	436.6	457.4
132.5°	159.4	249.9	357.4	428.1	447.9
135°	166.9	250.8	350.8	419.6	437.6
137.5°	173.5	250.8	344.2	410.2	428.1
140°	180.1	249.9	337.6	399.8	416.8
142.5°	186.7	249.0	331.0	388.5	406.4
145°	192.4	246.1	324.4	377.2	394.2
147.5°	198.0	243.3	317.8	364.9	380.0
150°	202.7	239.5	311.2	351.7	367.8
152.5°	206.5	236.7	302.7	340.4	353.6
155°	210.3	233.9	292.3	330.1	342.3
157.5°	214.1	232.0	281.0	317.8	329.1
160°	217.8	231.0	269.7	303.6	315.0
162.5°	220.7	229.1	258.4	287.6	298.0
165°	222.5	228.2	247.1	271.6	281.0
167.5°	224.4	227.3	239.5	253.7	261.2
170°	225.4	226.3	233.9	241.4	245.2
172.5°	226.3	226.3	230.1	233.9	235.8
175°	226.3	226.3	227.3	229.1	229.1
177.5°	226.3	227.3	227.3	227.3	226.3
180°	226.3	226.3	226.3	226.3	226.3

(END OF REPORT)