

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: P275167

Luminaire Tested: **J3-UL-20L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275167
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2150.4 lumens
Efficiency: N/A
Efficacy: 132.7 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

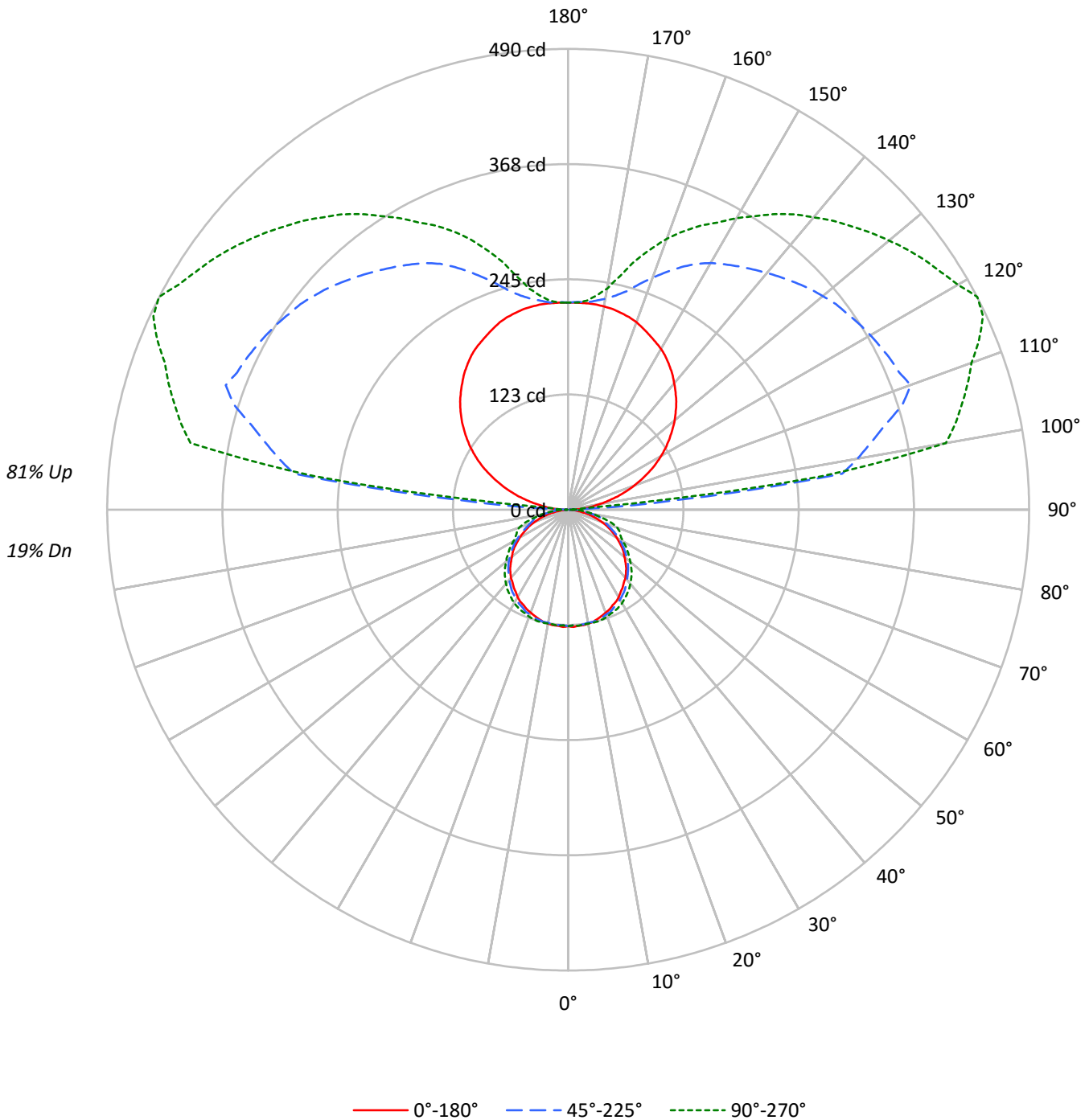
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1000	1000	1000
5°	1004	997	1004
10°	1008	1001	1008
15°	1005	1013	1028
20°	1002	1017	1041
25°	998	1022	1055
30°	1001	1027	1069
35°	995	1032	1076
40°	997	1025	1083
45°	996	1028	1090
50°	980	1026	1084
55°	982	1020	1085
60°	964	1008	1082
65°	930	999	1158
70°	887	1017	1301
75°	830	1173	1316
80°	683	1153	1278
85°	593	1278	1445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.5
10°-20°	34.3	1.6
20°-30°	53.2	2.5
30°-40°	65.6	3.1
40°-50°	69.9	3.3
50°-60°	65.3	3.0
60°-70°	53.4	2.5
70°-80°	36.8	1.7
80°-90°	14.3	0.7
90°-100°	128.0	6.0
100°-110°	324.3	15.1
110°-120°	336.1	15.6
120°-130°	299.7	13.9
130°-140°	249.3	11.6
140°-150°	189.8	8.8
150°-160°	127.8	5.9
160°-170°	69.5	3.2
170°-180°	21.4	1.0
0°-30°	99.3	4.6
0°-40°	164.9	7.7
0°-60°	300.1	14.0
0°-90°	404.6	18.8
90°-120°	788.4	36.7
90°-150°	1527.2	71.0
90°-180°	1746.0	81.2
0°-180°	2150.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	124	124	124	124	124	
5°	124	124	123	124	124	12
15°	120	121	121	122	123	34
25°	112	113	115	118	118	52
35°	101	102	105	108	109	63
45°	87	88	90	94	96	67
55°	70	71	72	75	77	62
65°	49	50	52	58	61	48
75°	27	28	38	41	42	28
85°	6	11	14	16	16	7
90°	1	1	1	1	1	2
95°	18	141	112	17	17	18
105°	54	224	349	412	433	57
115°	95	231	378	470	486	94
125°	131	237	363	440	463	117
135°	162	244	342	408	426	125
145°	187	240	316	367	384	117
155°	205	228	285	321	333	95
165°	217	222	240	264	274	61
175°	220	220	221	223	223	21
180°	220	220	220	220	220	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	123.9	123.9	123.9	123.9	123.9
2.5°	124.8	124.8	123.0	123.9	123.0
5°	123.9	123.9	123.0	123.9	123.9
7.5°	123.9	123.9	123.0	123.9	123.0
10°	123.0	123.0	122.1	123.0	123.0
12.5°	122.1	122.1	122.1	123.0	123.0
15°	120.3	121.2	121.2	122.1	123.0
17.5°	118.4	119.3	120.3	121.2	122.1
20°	116.6	117.5	118.4	120.3	121.2
22.5°	114.7	115.7	117.5	119.3	119.3
25°	112.0	112.9	114.7	117.5	118.4
27.5°	110.2	111.1	112.9	115.7	116.6
30°	107.4	108.3	110.2	113.8	114.7
32.5°	103.7	105.6	107.4	111.1	112.0
35°	101.0	101.9	104.7	108.3	109.2
37.5°	97.3	98.2	101.0	104.7	106.5
40°	94.6	95.5	97.3	101.0	102.8
42.5°	90.9	91.8	93.6	97.3	99.1
45°	87.2	88.1	90.0	93.6	95.5
47.5°	82.6	84.5	86.3	89.0	90.9
50°	78.0	79.9	81.7	85.4	86.3
52.5°	74.4	75.3	77.1	79.9	81.7
55°	69.8	70.7	72.5	75.3	77.1
57.5°	64.3	66.1	67.9	70.7	72.5
60°	59.7	61.5	62.4	66.1	67.0
62.5°	54.2	56.0	57.8	60.6	63.3
65°	48.7	50.5	52.3	57.8	60.6
67.5°	44.1	45.0	46.8	54.2	58.8
70°	37.6	39.5	43.1	52.3	55.1
72.5°	32.1	34.0	39.5	47.7	49.6
75°	26.6	28.5	37.6	41.3	42.2
77.5°	21.1	22.9	32.1	34.0	34.0
80°	14.7	19.3	24.8	27.5	27.5
82.5°	10.1	16.5	19.3	21.1	21.1
85°	6.4	11.0	13.8	15.6	15.6
87.5°	3.7	7.3	11.0	11.9	11.9
90°	0.9	0.9	0.9	0.9	0.9
92.5°	10.1	29.4	8.3	8.3	8.3
95°	18.4	141.4	112.0	17.4	17.4
97.5°	25.7	171.7	293.8	363.5	271.7
100°	34.0	203.8	312.1	385.6	407.6
102.5°	43.1	218.5	329.6	397.5	421.4
105°	54.2	224.0	348.8	412.2	433.3
107.5°	64.3	226.7	372.7	425.0	445.2
110°	74.4	228.6	387.4	439.7	456.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	84.5	229.5	381.0	459.0	472.8
115°	94.6	231.3	378.2	470.0	486.5
117.5°	104.7	232.3	374.5	459.0	490.2
120°	113.8	234.1	370.9	452.6	478.3
122.5°	123.0	235.0	367.2	446.1	470.0
125°	131.3	236.8	362.6	439.7	462.7
127.5°	139.5	238.7	358.9	432.4	454.4
130°	147.8	241.4	353.4	425.0	445.2
132.5°	155.1	243.3	347.9	416.8	436.0
135°	162.5	244.2	341.5	408.5	426.0
137.5°	168.9	244.2	335.1	399.3	416.8
140°	175.3	243.3	328.6	389.2	405.8
142.5°	181.8	242.4	322.2	378.2	395.7
145°	187.3	239.6	315.8	367.2	383.7
147.5°	192.8	236.8	309.4	355.3	370.0
150°	197.4	233.2	302.9	342.4	358.0
152.5°	201.0	230.4	294.7	331.4	344.2
155°	204.7	227.7	284.6	321.3	333.2
157.5°	208.4	225.8	273.6	309.4	320.4
160°	212.1	224.9	262.5	295.6	306.6
162.5°	214.8	223.1	251.5	280.0	290.1
165°	216.6	222.2	240.5	264.4	273.6
167.5°	218.5	221.2	233.2	246.9	254.3
170°	219.4	220.3	227.7	235.0	238.7
172.5°	220.3	220.3	224.0	227.7	229.5
175°	220.3	220.3	221.2	223.1	223.1
177.5°	220.3	221.2	221.2	221.2	220.3
180°	220.3	220.3	220.3	220.3	220.3

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