

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: P253566

Luminaire Tested: **J3-UL-20L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253566
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-20L93050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2151.7 lumens
Efficiency: N/A
Efficacy: 129.6 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

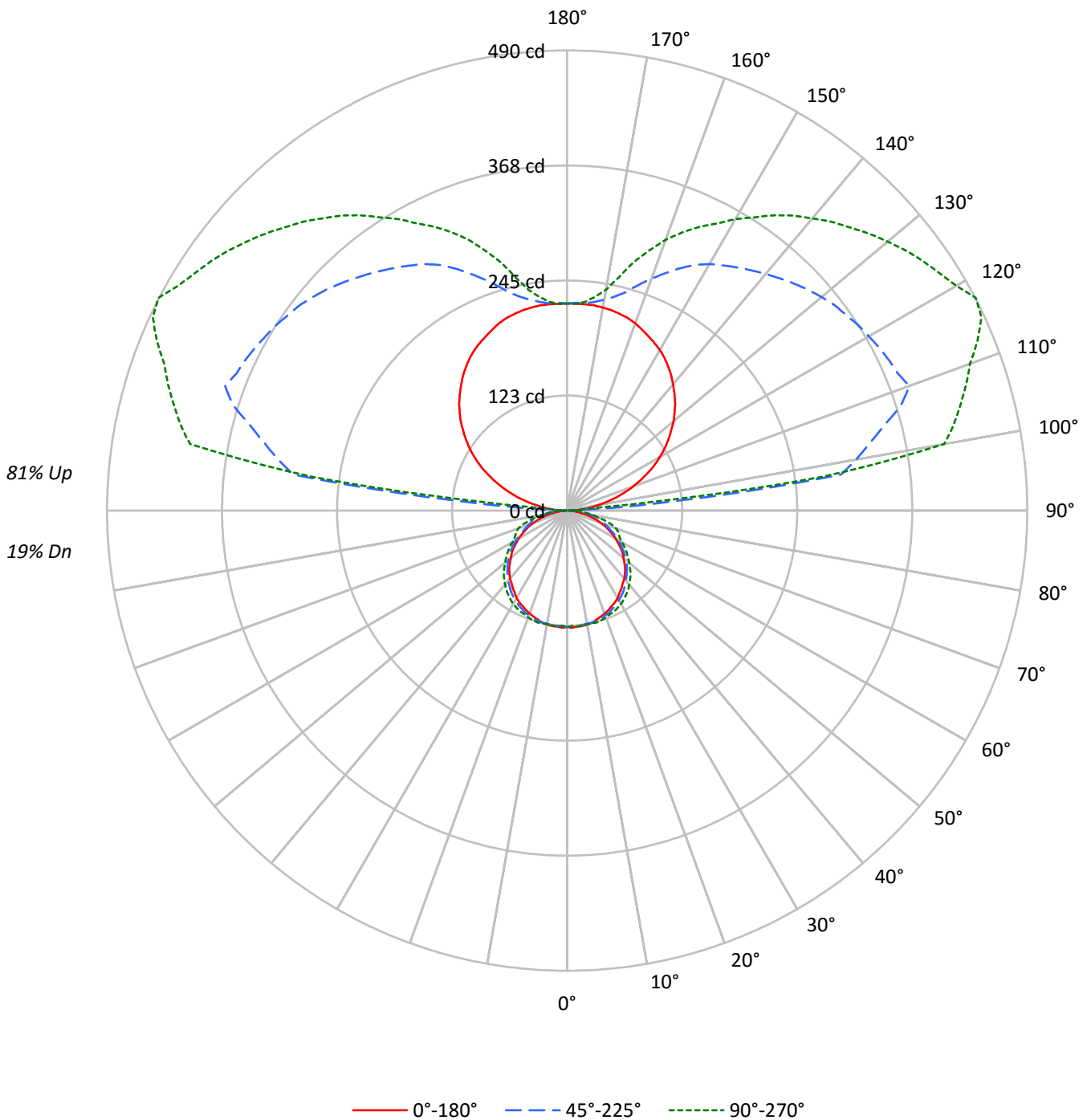
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1001	1001	1001
5°	1005	998	1005
10°	1009	1002	1009
15°	1005	1013	1029
20°	1003	1018	1041
25°	999	1023	1056
30°	1002	1027	1070
35°	995	1032	1077
40°	997	1026	1084
45°	997	1028	1090
50°	981	1026	1084
55°	982	1022	1087
60°	964	1009	1083
65°	930	1001	1158
70°	890	1020	1301
75°	830	1176	1319
80°	683	1153	1283
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°	65.7	3.1
40°-50°	70.0	3.3
50°-60°	65.3	3.0
60°-70°	53.5	2.5
70°-80°	36.8	1.7
80°-90°	14.3	0.7
90°-100°	128.1	6.0
100°-110°	324.5	15.1
110°-120°	336.3	15.6
120°-130°	299.8	13.9
130°-140°	249.5	11.6
140°-150°	189.9	8.8
150°-160°	127.9	5.9
160°-170°	69.5	3.2
170°-180°	21.4	1.0
0°-30°	99.3	4.6
0°-40°	165.0	7.7
0°-60°	300.3	14.0
0°-90°	404.8	18.8
90°-120°	788.9	36.7
90°-150°	1528.1	71.0
90°-180°	1747.0	81.2
0°-180°	2151.7	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	73	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	142	112	18	18	18
105°	54	224	349	412	434	57
115°	95	232	378	470	487	94
125°	131	237	363	440	463	117
135°	163	244	342	409	426	125
145°	187	240	316	367	384	117
155°	205	228	285	322	333	95
165°	217	222	241	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°	124.0	124.0	124.0	124.0	124.0
2.5°	124.9	124.9	123.1	124.0	123.1
5°	124.0	124.0	123.1	124.0	124.0
7.5°	124.0	124.0	123.1	124.0	123.1
10°	123.1	123.1	122.2	123.1	123.1
12.5°	122.2	122.2	122.2	123.1	123.1
15°	120.3	121.2	121.2	122.2	123.1
17.5°	118.5	119.4	120.3	121.2	122.2
20°	116.7	117.6	118.5	120.3	121.2
22.5°	114.8	115.7	117.6	119.4	119.4
25°	112.1	113.0	114.8	117.6	118.5
27.5°	110.2	111.1	113.0	115.7	116.7
30°	107.5	108.4	110.2	113.9	114.8
32.5°	103.8	105.6	107.5	111.1	112.1
35°	101.0	102.0	104.7	108.4	109.3
37.5°	97.4	98.3	101.0	104.7	106.5
40°	94.6	95.5	97.4	101.0	102.9
42.5°	90.9	91.9	93.7	97.4	99.2
45°	87.3	88.2	90.0	93.7	95.5
47.5°	82.7	84.5	86.3	89.1	90.9
50°	78.1	79.9	81.7	85.4	86.3
52.5°	74.4	75.3	77.2	79.9	81.7
55°	69.8	70.7	72.6	75.3	77.2
57.5°	64.3	66.1	68.0	70.7	72.6
60°	59.7	61.5	62.5	66.1	67.1
62.5°	54.2	56.0	57.9	60.6	63.4
65°	48.7	50.5	52.4	57.9	60.6
67.5°	44.1	45.0	46.8	54.2	58.8
70°	37.7	39.5	43.2	52.4	55.1
72.5°	32.1	34.0	39.5	47.8	49.6
75°	26.6	28.5	37.7	41.3	42.3
77.5°	21.1	23.0	32.1	34.0	34.0
80°	14.7	19.3	24.8	27.6	27.6
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	141.5	112.1	17.5	17.5
97.5°	25.7	171.8	293.9	363.7	271.9
100°	34.0	203.9	312.3	385.8	407.8
102.5°	43.2	218.6	329.7	397.7	421.6
105°	54.2	224.1	349.0	412.4	433.5
107.5°	64.3	226.9	372.9	425.3	445.5
110°	74.4	228.7	387.6	440.0	456.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	84.5	229.6	381.2	459.3	473.0
115°	94.6	231.5	378.4	470.3	486.8
117.5°	104.7	232.4	374.8	459.3	490.5
120°	113.9	234.2	371.1	452.8	478.5
122.5°	123.1	235.1	367.4	446.4	470.3
125°	131.3	237.0	362.8	440.0	462.9
127.5°	139.6	238.8	359.1	432.6	454.7
130°	147.9	241.6	353.6	425.3	445.5
132.5°	155.2	243.4	348.1	417.0	436.3
135°	162.6	244.3	341.7	408.7	426.2
137.5°	169.0	244.3	335.3	399.6	417.0
140°	175.4	243.4	328.8	389.4	406.0
142.5°	181.9	242.5	322.4	378.4	395.9
145°	187.4	239.7	316.0	367.4	383.9
147.5°	192.9	237.0	309.5	355.5	370.2
150°	197.5	233.3	303.1	342.6	358.2
152.5°	201.2	230.5	294.8	331.6	344.4
155°	204.8	227.8	284.7	321.5	333.4
157.5°	208.5	226.0	273.7	309.5	320.6
160°	212.2	225.0	262.7	295.8	306.8
162.5°	214.9	223.2	251.7	280.1	290.2
165°	216.8	222.3	240.6	264.5	273.7
167.5°	218.6	221.4	233.3	247.1	254.4
170°	219.5	220.4	227.8	235.1	238.8
172.5°	220.4	220.4	224.1	227.8	229.6
175°	220.4	220.4	221.4	223.2	223.2
177.5°	220.4	221.4	221.4	221.4	220.4
180°	220.4	220.4	220.4	220.4	220.4

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