

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: P275182

Luminaire Tested: **J3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275182
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-20L92765-1D-UNV-W2A-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2223.1 lumens
Efficiency: N/A
Efficacy: 130.8 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

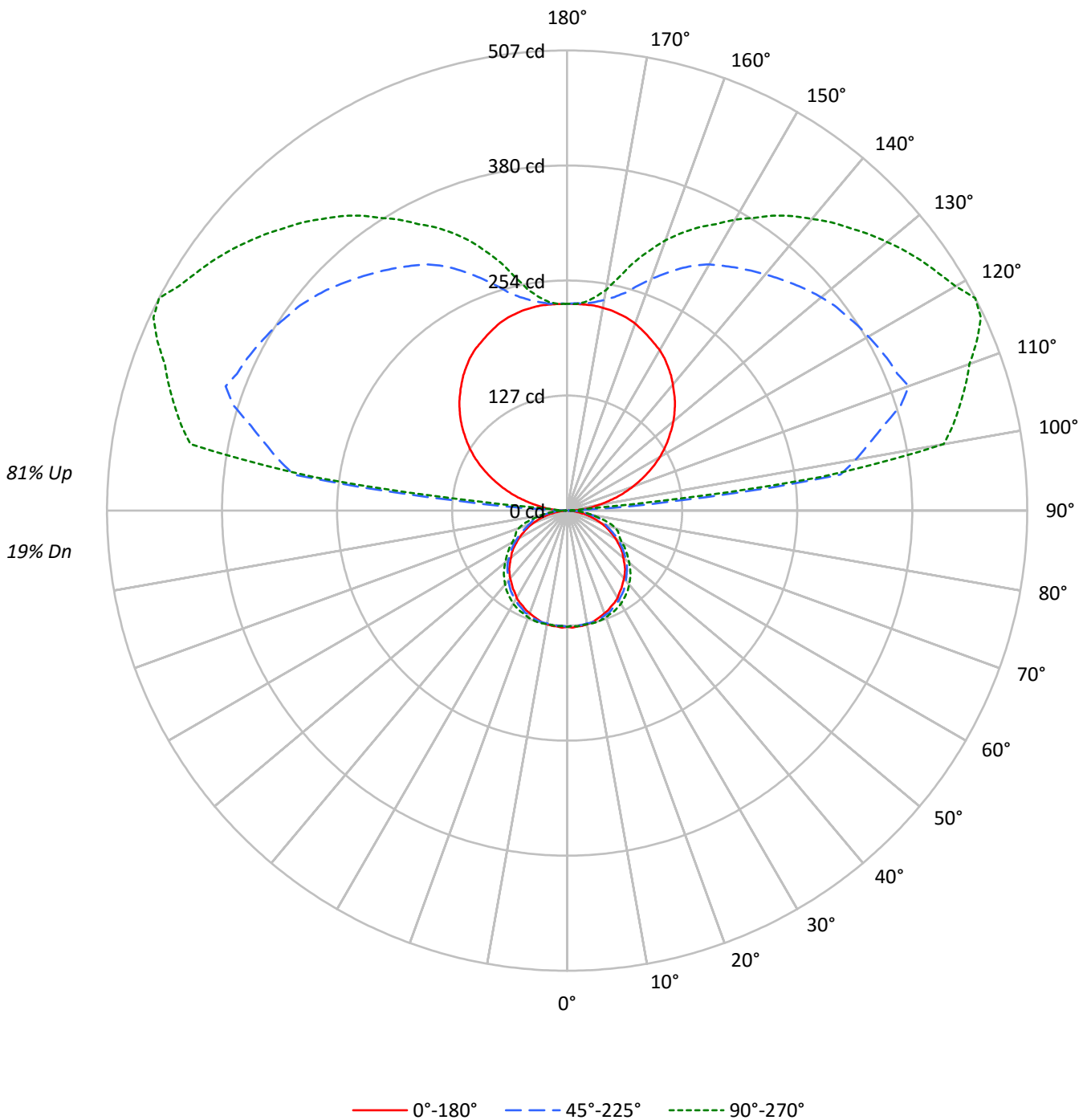
Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1034	1034	1034
5°	1038	1031	1038
10°	1043	1035	1043
15°	1039	1047	1063
20°	1035	1052	1076
25°	1031	1056	1090
30°	1035	1062	1106
35°	1029	1066	1113
40°	1030	1060	1120
45°	1030	1062	1127
50°	1014	1061	1120
55°	1015	1056	1122
60°	996	1041	1119
65°	961	1033	1196
70°	918	1053	1343
75°	858	1213	1363
80°	707	1190	1325
85°	611	1315	1491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.5
10°-20°	35.5	1.6
20°-30°	55.0	2.5
30°-40°	67.8	3.1
40°-50°	72.3	3.3
50°-60°	67.5	3.0
60°-70°	55.2	2.5
70°-80°	38.0	1.7
80°-90°	14.8	0.7
90°-100°	132.3	6.0
100°-110°	335.2	15.1
110°-120°	347.5	15.6
120°-130°	309.8	13.9
130°-140°	257.7	11.6
140°-150°	196.2	8.8
150°-160°	132.1	5.9
160°-170°	71.8	3.2
170°-180°	22.1	1.0
0°-30°	102.6	4.6
0°-40°	170.5	7.7
0°-60°	310.2	14.0
0°-90°	418.2	18.8
90°-120°	815.1	36.7
90°-150°	1578.8	71.0
90°-180°	1805.0	81.2
0°-180°	2223.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	128	128	128	128	128	
5°	128	128	127	128	128	12
15°	124	125	125	126	127	35
25°	116	117	119	122	122	54
35°	104	105	108	112	113	65
45°	90	91	93	97	99	69
55°	72	73	75	78	80	64
65°	50	52	54	60	63	50
75°	28	29	39	43	44	29
85°	7	11	14	16	16	7
90°	1	1	1	1	1	2
95°	19	146	116	18	18	19
105°	56	232	361	426	448	59
115°	98	239	391	486	503	97
125°	136	245	375	455	478	121
135°	168	252	353	422	440	129
145°	194	248	326	380	397	121
155°	212	235	294	332	344	98
165°	224	230	249	273	283	63
175°	228	228	229	231	231	22
180°	228	228	228	228	228	



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CATALOG NUMBER: J3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	128.1	128.1	128.1	128.1	128.1
2.5°	129.1	129.1	127.2	128.1	127.2
5°	128.1	128.1	127.2	128.1	128.1
7.5°	128.1	128.1	127.2	128.1	127.2
10°	127.2	127.2	126.2	127.2	127.2
12.5°	126.2	126.2	126.2	127.2	127.2
15°	124.3	125.3	125.3	126.2	127.2
17.5°	122.4	123.4	124.3	125.3	126.2
20°	120.5	121.5	122.4	124.3	125.3
22.5°	118.6	119.6	121.5	123.4	123.4
25°	115.8	116.7	118.6	121.5	122.4
27.5°	113.9	114.8	116.7	119.6	120.5
30°	111.0	112.0	113.9	117.7	118.6
32.5°	107.2	109.1	111.0	114.8	115.8
35°	104.4	105.3	108.2	112.0	112.9
37.5°	100.6	101.5	104.4	108.2	110.1
40°	97.7	98.7	100.6	104.4	106.3
42.5°	94.0	94.9	96.8	100.6	102.5
45°	90.2	91.1	93.0	96.8	98.7
47.5°	85.4	87.3	89.2	92.1	94.0
50°	80.7	82.6	84.5	88.3	89.2
52.5°	76.9	77.8	79.7	82.6	84.5
55°	72.1	73.1	75.0	77.8	79.7
57.5°	66.4	68.3	70.2	73.1	75.0
60°	61.7	63.6	64.5	68.3	69.3
62.5°	56.0	57.9	59.8	62.6	65.5
65°	50.3	52.2	54.1	59.8	62.6
67.5°	45.6	46.5	48.4	56.0	60.7
70°	38.9	40.8	44.6	54.1	56.9
72.5°	33.2	35.1	40.8	49.3	51.2
75°	27.5	29.4	38.9	42.7	43.7
77.5°	21.8	23.7	33.2	35.1	35.1
80°	15.2	19.9	25.6	28.5	28.5
82.5°	10.4	17.1	19.9	21.8	21.8
85°	6.6	11.4	14.2	16.1	16.1
87.5°	3.8	7.6	11.4	12.3	12.3
90°	0.9	0.9	0.9	0.9	0.9
92.5°	10.4	30.4	8.5	8.5	8.5
95°	19.0	146.1	115.8	18.0	18.0
97.5°	26.6	177.5	303.7	375.8	280.9
100°	35.1	210.7	322.7	398.6	421.4
102.5°	44.6	225.9	340.7	410.9	435.6
105°	56.0	231.6	360.6	426.1	447.9
107.5°	66.4	234.4	385.3	439.4	460.3
110°	76.9	236.3	400.5	454.6	471.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	87.3	237.2	393.8	474.5	488.7
115°	97.7	239.1	391.0	485.9	503.0
117.5°	108.2	240.1	387.2	474.5	506.8
120°	117.7	242.0	383.4	467.9	494.4
122.5°	127.2	242.9	379.6	461.2	485.9
125°	135.7	244.8	374.9	454.6	478.3
127.5°	144.2	246.7	371.1	447.0	469.8
130°	152.8	249.6	365.4	439.4	460.3
132.5°	160.4	251.5	359.7	430.8	450.8
135°	168.0	252.4	353.0	422.3	440.3
137.5°	174.6	252.4	346.4	412.8	430.8
140°	181.3	251.5	339.7	402.4	419.5
142.5°	187.9	250.5	333.1	391.0	409.0
145°	193.6	247.7	326.5	379.6	396.7
147.5°	199.3	244.8	319.8	367.3	382.4
150°	204.0	241.0	313.2	354.0	370.1
152.5°	207.8	238.2	304.6	342.6	355.9
155°	211.6	235.4	294.2	332.1	344.5
157.5°	215.4	233.5	282.8	319.8	331.2
160°	219.2	232.5	271.4	305.6	317.0
162.5°	222.1	230.6	260.0	289.4	299.9
165°	224.0	229.7	248.6	273.3	282.8
167.5°	225.9	228.7	241.0	255.3	262.9
170°	226.8	227.8	235.4	242.9	246.7
172.5°	227.8	227.8	231.6	235.4	237.2
175°	227.8	227.8	228.7	230.6	230.6
177.5°	227.8	228.7	228.7	228.7	227.8
180°	227.8	227.8	227.8	227.8	227.8

(END OF REPORT)