

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: P275230

Luminaire Tested: **J3-UL-50L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-50L92765-1D-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: 4755.1 lumens
Efficiency: N/A
Efficacy: 127.8 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

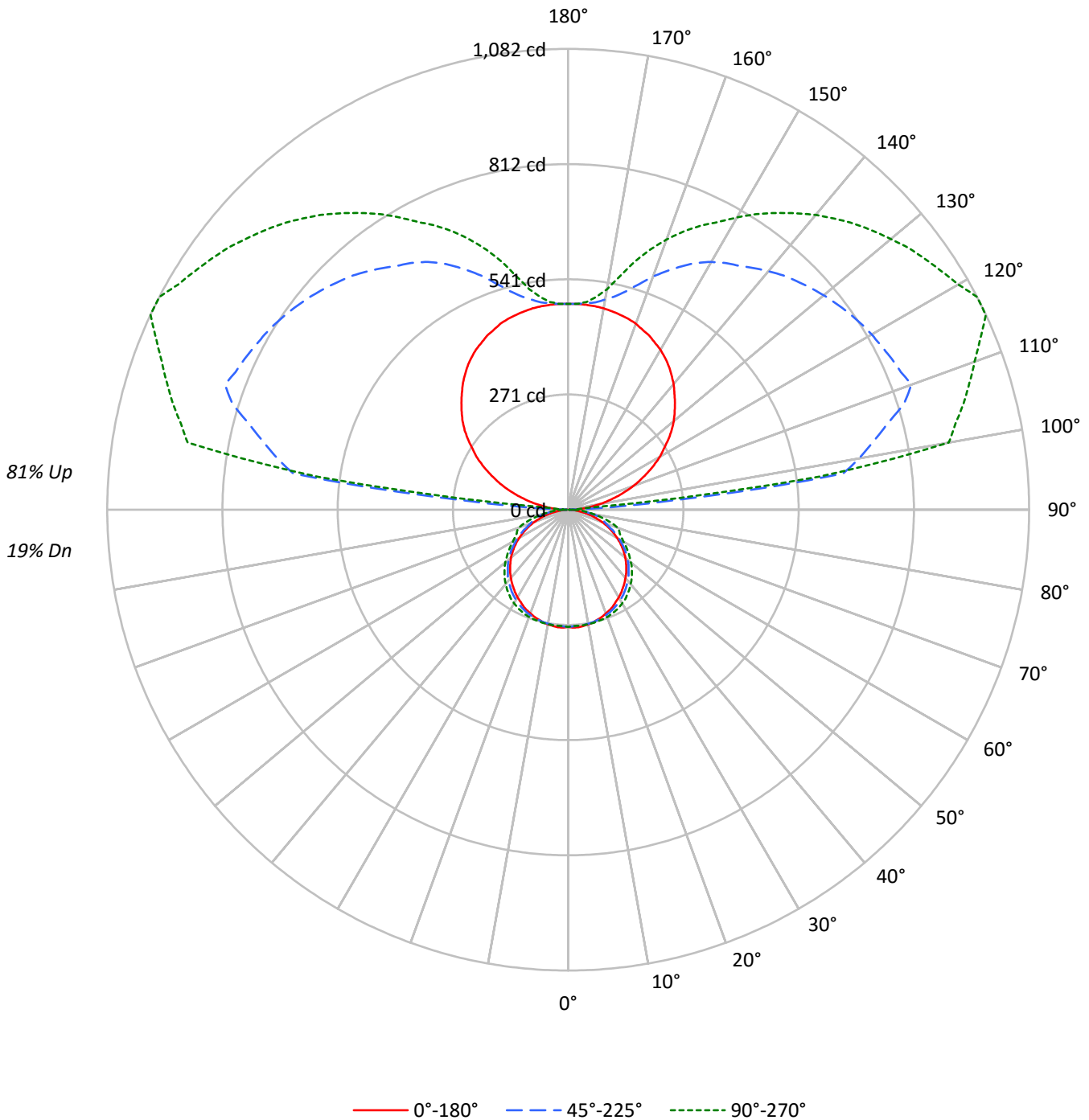
Input Watts (W): 37.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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	20	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	20	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°	2222	2222	2222
5°	2245	2220	2216
10°	2241	2226	2236
15°	2230	2240	2265
20°	2226	2257	2302
25°	2223	2271	2335
30°	2215	2282	2365
35°	2207	2289	2389
40°	2204	2291	2404
45°	2203	2291	2414
50°	2199	2290	2416
55°	2180	2280	2414
60°	2144	2241	2414
65°	2082	2218	2548
70°	1997	2221	2896
75°	1840	2545	2916
80°	1604	2576	2850
85°	1269	2927	3251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	0.6
10°-20°	76.1	1.6
20°-30°	118.0	2.5
30°-40°	145.9	3.1
40°-50°	155.6	3.3
50°-60°	145.0	3.0
60°-70°	118.1	2.5
70°-80°	81.3	1.7
80°-90°	32.0	0.7
90°-100°	280.5	5.9
100°-110°	718.1	15.1
110°-120°	743.1	15.6
120°-130°	662.0	13.9
130°-140°	551.3	11.6
140°-150°	419.7	8.8
150°-160°	282.3	5.9
160°-170°	153.0	3.2
170°-180°	46.9	1.0
0°-30°	220.2	4.6
0°-40°	366.1	7.7
0°-60°	666.7	14.0
0°-90°	898.1	18.9
90°-120°	1741.7	36.6
90°-150°	3374.8	71.0
90°-180°	3857.0	81.1
0°-180°	4755.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	275	275	275	275	275	
5°	277	276	274	275	273	26
15°	267	269	268	271	271	75
25°	250	252	255	260	262	115
35°	224	228	232	240	242	140
45°	193	196	201	208	211	149
55°	155	157	162	167	172	138
65°	109	111	116	127	133	108
75°	59	62	82	91	94	62
85°	14	25	32	35	35	16
90°	2	3	3	2	2	4
95°	40	312	230	39	39	39
105°	118	496	774	911	960	125
115°	206	512	838	1036	1082	203
125°	286	524	805	968	1024	256
135°	354	538	759	901	949	274
145°	412	528	699	812	850	257
155°	451	502	631	711	736	208
165°	474	487	531	583	603	134
175°	483	484	487	488	490	46
180°	483	483	483	483	483	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	275.2	275.2	275.2	275.2	275.2
2.5°	277.0	276.4	274.0	274.6	273.4
5°	277.0	275.8	274.0	274.6	273.4
7.5°	275.2	274.6	272.8	274.0	273.4
10°	273.4	272.8	271.6	273.4	272.8
12.5°	271.0	271.0	270.4	272.2	272.2
15°	266.8	268.6	268.0	271.0	271.0
17.5°	263.8	265.0	265.6	269.2	269.8
20°	259.1	261.5	262.7	266.2	268.0
22.5°	254.9	257.3	259.1	263.8	265.6
25°	249.6	251.9	254.9	260.3	262.1
27.5°	243.0	247.2	250.2	256.7	258.5
30°	237.6	240.6	244.8	251.3	253.7
32.5°	231.1	234.7	238.8	246.0	249.0
35°	223.9	227.5	232.3	240.0	242.4
37.5°	216.8	219.8	225.1	232.9	235.9
40°	209.1	212.0	217.4	225.7	228.1
42.5°	201.3	204.3	209.7	217.4	220.4
45°	193.0	196.0	200.7	207.9	211.4
47.5°	184.0	187.0	191.8	198.9	202.5
50°	175.1	177.5	182.3	188.8	192.4
52.5°	165.0	167.4	172.1	178.1	181.7
55°	154.9	157.2	162.0	167.4	171.5
57.5°	144.1	146.5	150.1	156.0	160.8
60°	132.8	135.2	138.8	145.3	149.5
62.5°	120.9	123.3	127.5	134.6	141.2
65°	109.0	111.4	116.1	126.9	133.4
67.5°	97.1	99.5	103.6	119.1	129.8
70°	84.6	87.0	94.1	115.5	122.7
72.5°	71.5	75.0	87.0	106.6	109.6
75°	59.0	62.5	81.6	91.1	93.5
77.5°	45.9	51.2	70.9	75.0	76.2
80°	34.5	42.3	55.4	60.8	61.3
82.5°	23.2	36.3	42.9	46.5	46.5
85°	13.7	25.0	31.6	35.1	35.1
87.5°	7.7	16.7	23.2	27.4	26.8
90°	1.8	3.0	3.0	2.4	2.4
92.5°	21.4	58.4	19.1	17.9	17.9
95°	39.9	312.1	229.9	38.7	38.7
97.5°	55.4	379.4	651.0	788.0	592.6
100°	75.6	455.0	692.7	853.5	907.1
102.5°	95.3	483.0	732.0	877.3	930.9
105°	117.9	495.5	774.3	910.7	960.1
107.5°	140.0	502.7	826.1	939.9	987.5
110°	162.6	506.3	857.1	973.8	1014.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	183.4	509.2	845.2	1013.1	1046.5
115°	205.5	512.2	838.0	1035.7	1081.6
117.5°	226.9	514.0	829.7	1012.5	1081.6
120°	248.4	517.0	822.5	997.0	1057.2
122.5°	266.2	520.6	814.2	983.3	1040.5
125°	286.5	523.5	804.7	968.4	1024.4
127.5°	306.1	526.5	793.9	953.0	1008.3
130°	323.4	533.1	783.2	937.5	988.7
132.5°	338.9	536.6	771.3	919.0	969.6
135°	354.4	537.8	758.8	901.1	949.4
137.5°	369.3	537.2	746.3	880.9	926.7
140°	384.8	535.4	730.8	860.0	903.5
142.5°	398.5	531.9	715.3	836.8	877.3
145°	411.6	527.7	699.2	812.4	850.5
147.5°	422.9	521.1	686.7	786.2	823.1
150°	433.6	514.0	671.8	759.4	792.1
152.5°	441.3	507.4	653.4	733.8	761.2
155°	450.9	501.5	630.7	711.1	735.6
157.5°	456.8	496.7	606.9	683.1	707.0
160°	464.6	493.2	582.5	652.8	674.8
162.5°	469.9	489.6	555.7	618.8	640.3
165°	473.5	486.6	531.3	583.1	602.7
167.5°	477.1	485.4	513.4	545.6	561.1
170°	480.1	484.2	500.9	517.6	525.9
172.5°	481.8	483.6	490.8	499.7	503.9
175°	483.0	483.6	486.6	488.4	489.6
177.5°	483.6	483.6	483.6	483.0	483.6
180°	483.0	483.0	483.0	483.0	483.0

(END OF REPORT)