

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: P275226

Luminaire Tested: **J3-UL-50L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275226
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4424.3 lumens
Efficiency: N/A
Efficacy: 123.2 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

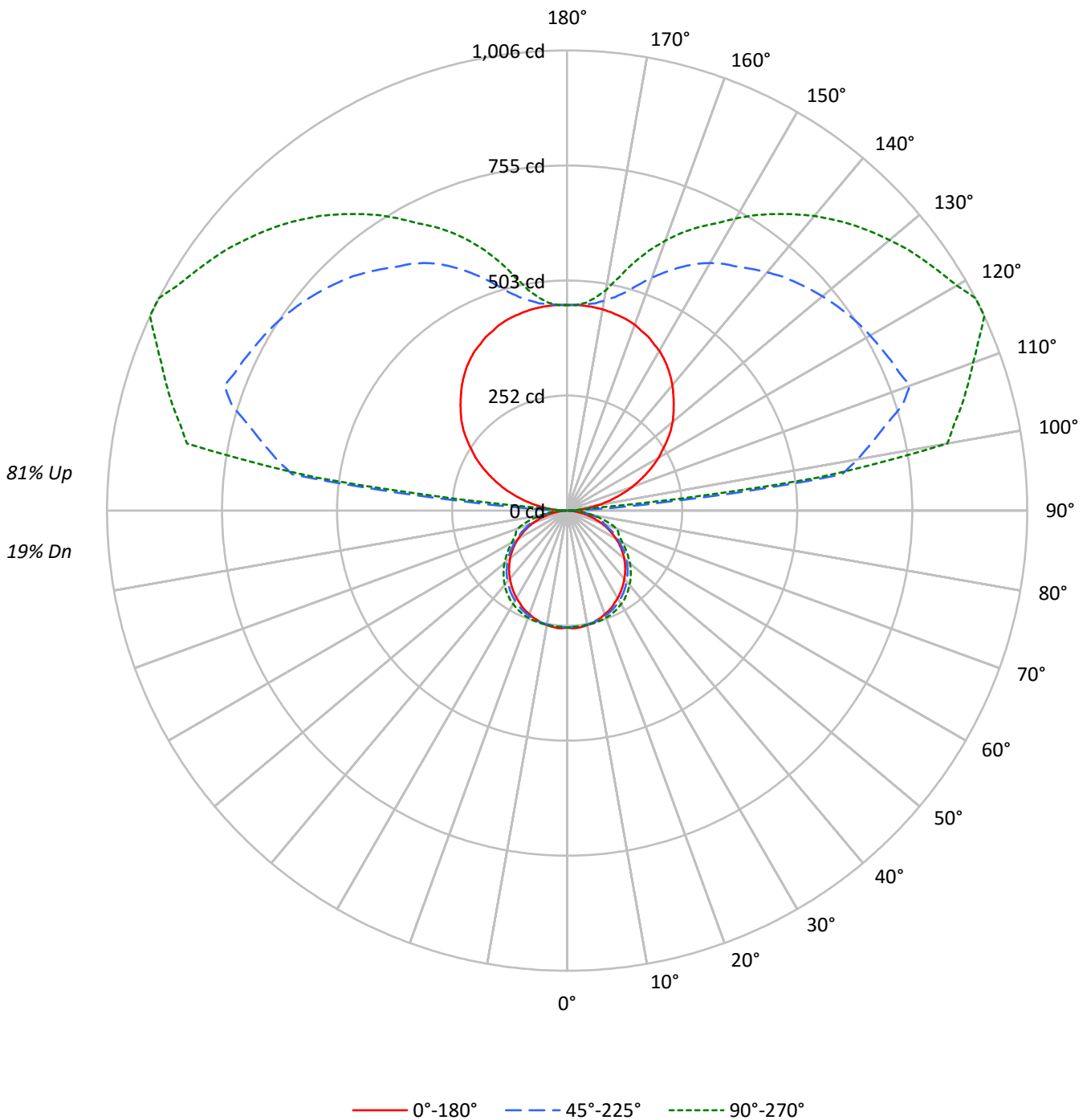
Input Watts (W): 35.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2067	2067	2067
5°	2088	2066	2062
10°	2085	2072	2081
15°	2075	2084	2107
20°	2071	2100	2143
25°	2068	2113	2172
30°	2061	2124	2201
35°	2054	2130	2222
40°	2050	2132	2236
45°	2050	2133	2246
50°	2046	2130	2248
55°	2028	2121	2246
60°	1996	2084	2246
65°	1937	2065	2371
70°	1858	2068	2696
75°	1712	2367	2714
80°	1492	2394	2655
85°	1176	2723	3029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	0.6
10°-20°	70.8	1.6
20°-30°	109.8	2.5
30°-40°	135.8	3.1
40°-50°	144.8	3.3
50°-60°	134.9	3.0
60°-70°	109.9	2.5
70°-80°	75.6	1.7
80°-90°	29.7	0.7
90°-100°	261.0	5.9
100°-110°	668.1	15.1
110°-120°	691.5	15.6
120°-130°	616.0	13.9
130°-140°	513.0	11.6
140°-150°	390.5	8.8
150°-160°	262.7	5.9
160°-170°	142.3	3.2
170°-180°	43.6	1.0
0°-30°	204.9	4.6
0°-40°	340.6	7.7
0°-60°	620.3	14.0
0°-90°	835.6	18.9
90°-120°	1620.6	36.6
90°-150°	3140.1	71.0
90°-180°	3589.0	81.1
0°-180°	4424.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	256	256	256	256	256	
5°	258	257	255	256	254	24
15°	248	250	249	252	252	70
25°	232	234	237	242	244	107
35°	208	212	216	223	226	130
45°	180	182	187	193	197	138
55°	144	146	151	156	160	129
65°	101	104	108	118	124	100
75°	55	58	76	85	87	58
85°	13	23	29	33	33	15
90°	2	3	3	2	2	4
95°	37	290	214	36	36	36
105°	110	461	720	847	893	116
115°	191	477	780	964	1006	189
125°	267	487	749	901	953	238
135°	330	500	706	838	883	255
145°	383	491	651	756	791	239
155°	420	467	587	662	684	193
165°	441	453	494	542	561	125
175°	449	450	453	454	456	43
180°	449	449	449	449	449	



TEST NUMBER: P275226

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	256.0	256.0	256.0	256.0	256.0
2.5°	257.7	257.1	254.9	255.5	254.4
5°	257.7	256.6	254.9	255.5	254.4
7.5°	256.0	255.5	253.8	254.9	254.4
10°	254.4	253.8	252.7	254.4	253.8
12.5°	252.1	252.1	251.6	253.3	253.3
15°	248.3	249.9	249.4	252.1	252.1
17.5°	245.5	246.6	247.2	250.5	251.0
20°	241.1	243.3	244.4	247.7	249.4
22.5°	237.2	239.4	241.1	245.5	247.2
25°	232.2	234.4	237.2	242.2	243.8
27.5°	226.1	230.0	232.8	238.8	240.5
30°	221.1	223.9	227.8	233.9	236.1
32.5°	215.0	218.3	222.2	228.9	231.6
35°	208.4	211.7	216.1	223.3	225.5
37.5°	201.7	204.5	209.5	216.7	219.5
40°	194.5	197.3	202.3	210.0	212.2
42.5°	187.3	190.1	195.1	202.3	205.0
45°	179.6	182.3	186.8	193.4	196.7
47.5°	171.2	174.0	178.4	185.1	188.4
50°	162.9	165.1	169.6	175.7	179.0
52.5°	153.5	155.7	160.2	165.7	169.0
55°	144.1	146.3	150.7	155.7	159.6
57.5°	134.1	136.3	139.7	145.2	149.6
60°	123.6	125.8	129.1	135.2	139.1
62.5°	112.5	114.7	118.6	125.2	131.3
65°	101.4	103.6	108.1	118.0	124.1
67.5°	90.3	92.5	96.4	110.8	120.8
70°	78.7	80.9	87.6	107.5	114.2
72.5°	66.5	69.8	80.9	99.2	102.0
75°	54.9	58.2	75.9	84.8	87.0
77.5°	42.7	47.7	65.9	69.8	70.9
80°	32.1	39.3	51.5	56.5	57.1
82.5°	21.6	33.8	39.9	43.2	43.2
85°	12.7	23.3	29.4	32.7	32.7
87.5°	7.2	15.5	21.6	25.5	24.9
90°	1.7	2.8	2.8	2.2	2.2
92.5°	20.0	54.3	17.7	16.6	16.6
95°	37.1	290.4	213.9	36.0	36.0
97.5°	51.5	353.0	605.7	733.2	551.4
100°	70.4	423.4	644.5	794.1	844.0
102.5°	88.7	449.4	681.1	816.3	866.2
105°	109.7	461.1	720.4	847.3	893.3
107.5°	130.2	467.7	768.6	874.5	918.8
110°	151.3	471.0	797.5	906.1	944.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	170.7	473.8	786.4	942.7	973.7
115°	191.2	476.6	779.7	963.7	1006.4
117.5°	211.1	478.3	772.0	942.1	1006.4
120°	231.1	481.0	765.3	927.7	983.7
122.5°	247.7	484.3	757.6	914.9	968.1
125°	266.6	487.1	748.7	901.1	953.2
127.5°	284.8	489.9	738.7	886.7	938.2
130°	300.9	496.0	728.7	872.3	919.9
132.5°	315.3	499.3	717.7	855.1	902.2
135°	329.7	500.4	706.0	838.5	883.4
137.5°	343.6	499.9	694.4	819.6	862.3
140°	358.0	498.2	680.0	800.2	840.7
142.5°	370.7	494.9	665.6	778.6	816.3
145°	382.9	491.0	650.6	755.9	791.4
147.5°	393.5	484.9	639.0	731.5	765.9
150°	403.4	478.3	625.1	706.6	737.1
152.5°	410.6	472.2	607.9	682.7	708.2
155°	419.5	466.6	586.9	661.7	684.4
157.5°	425.1	462.2	564.7	635.6	657.8
160°	432.3	458.9	542.0	607.4	627.9
162.5°	437.2	455.5	517.0	575.8	595.7
165°	440.6	452.8	494.3	542.5	560.8
167.5°	443.9	451.7	477.7	507.6	522.0
170°	446.7	450.5	466.1	481.6	489.3
172.5°	448.3	450.0	456.6	465.0	468.8
175°	449.4	450.0	452.8	454.4	455.5
177.5°	450.0	450.0	450.0	449.4	450.0
180°	449.4	449.4	449.4	449.4	449.4

(END OF REPORT)