

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: P275222

Luminaire Tested: **J3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275222
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-50L82765-1D-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, 80 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5236.1 lumens
Efficiency: N/A
Efficacy: 141.1 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

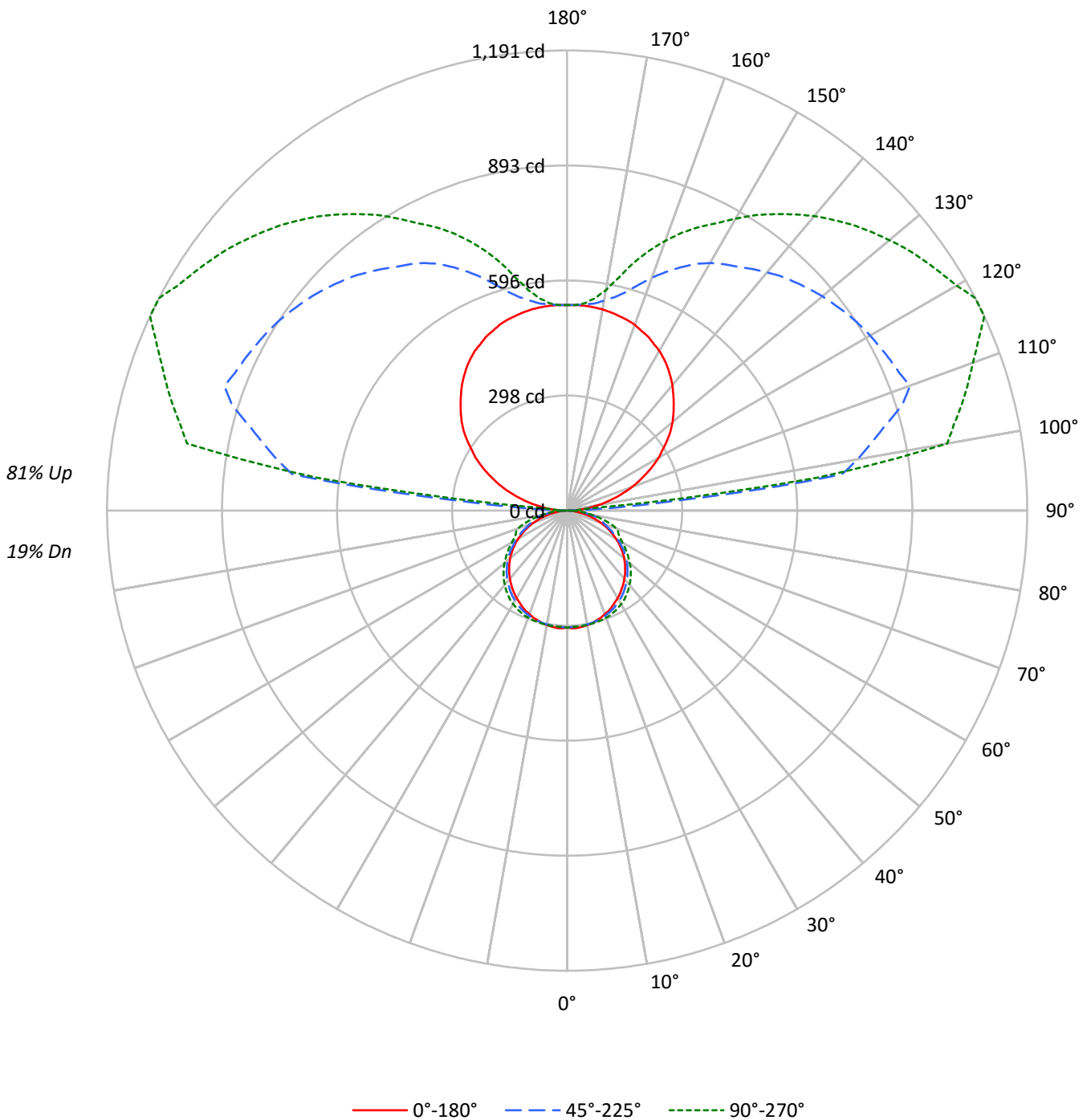
Input Watts (W): 37.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2446	2446	2446
5°	2472	2445	2439
10°	2467	2452	2463
15°	2456	2466	2494
20°	2451	2485	2535
25°	2448	2500	2571
30°	2440	2513	2605
35°	2430	2521	2630
40°	2426	2523	2647
45°	2426	2523	2658
50°	2421	2521	2660
55°	2400	2511	2659
60°	2362	2467	2658
65°	2292	2443	2806
70°	2198	2445	3189
75°	2024	2804	3213
80°	1767	2836	3143
85°	1399	3223	3585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	0.6
10°-20°	83.8	1.6
20°-30°	129.9	2.5
30°-40°	160.7	3.1
40°-50°	171.4	3.3
50°-60°	159.6	3.0
60°-70°	130.1	2.5
70°-80°	89.5	1.7
80°-90°	35.2	0.7
90°-100°	308.9	5.9
100°-110°	790.7	15.1
110°-120°	818.3	15.6
120°-130°	729.0	13.9
130°-140°	607.1	11.6
140°-150°	462.2	8.8
150°-160°	310.9	5.9
160°-170°	168.5	3.2
170°-180°	51.6	1.0
0°-30°	242.5	4.6
0°-40°	403.1	7.7
0°-60°	734.2	14.0
0°-90°	988.9	18.9
90°-120°	1917.9	36.6
90°-150°	3716.2	71.0
90°-180°	4247.0	81.1
0°-180°	5236.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	303	303	303	303	303	
5°	305	304	302	302	301	29
15°	294	296	295	298	298	83
25°	275	277	281	287	289	127
35°	247	250	256	264	267	154
45°	212	216	221	229	233	164
55°	170	173	178	184	189	152
65°	120	123	128	140	147	119
75°	65	69	90	100	103	68
85°	15	28	35	39	39	17
90°	2	3	3	3	3	5
95°	44	344	253	43	43	43
105°	130	546	853	1003	1057	137
115°	226	564	923	1140	1191	224
125°	316	576	886	1066	1128	282
135°	390	592	836	992	1045	301
145°	453	581	770	895	937	283
155°	496	552	694	783	810	229
165°	521	536	585	642	664	147
175°	532	532	536	538	539	51
180°	532	532	532	532	532	



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CATALOG NUMBER: J3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	303.0	303.0	303.0	303.0	303.0
2.5°	305.0	304.3	301.7	302.3	301.0
5°	305.0	303.7	301.7	302.3	301.0
7.5°	303.0	302.3	300.4	301.7	301.0
10°	301.0	300.4	299.1	301.0	300.4
12.5°	298.4	298.4	297.8	299.7	299.7
15°	293.8	295.8	295.1	298.4	298.4
17.5°	290.5	291.9	292.5	296.4	297.1
20°	285.3	287.9	289.2	293.2	295.1
22.5°	280.7	283.3	285.3	290.5	292.5
25°	274.8	277.4	280.7	286.6	288.6
27.5°	267.6	272.2	275.5	282.7	284.6
30°	261.7	265.0	269.6	276.8	279.4
32.5°	254.5	258.4	263.0	270.9	274.1
35°	246.6	250.5	255.8	264.3	266.9
37.5°	238.7	242.0	247.9	256.4	259.7
40°	230.2	233.5	239.4	248.6	251.2
42.5°	221.7	225.0	230.9	239.4	242.7
45°	212.5	215.8	221.0	228.9	232.8
47.5°	202.7	205.9	211.2	219.1	223.0
50°	192.8	195.4	200.7	207.9	211.8
52.5°	181.7	184.3	189.5	196.1	200.0
55°	170.5	173.1	178.4	184.3	188.9
57.5°	158.7	161.3	165.3	171.8	177.1
60°	146.3	148.9	152.8	160.0	164.6
62.5°	133.1	135.8	140.4	148.2	155.4
65°	120.0	122.6	127.9	139.7	146.9
67.5°	106.9	109.5	114.1	131.2	143.0
70°	93.1	95.8	103.6	127.2	135.1
72.5°	78.7	82.6	95.8	117.4	120.7
75°	64.9	68.9	89.9	100.3	103.0
77.5°	50.5	56.4	78.0	82.6	83.9
80°	38.0	46.6	61.0	66.9	67.6
82.5°	25.6	40.0	47.2	51.2	51.2
85°	15.1	27.5	34.8	38.7	38.7
87.5°	8.5	18.4	25.6	30.2	29.5
90°	2.0	3.3	3.3	2.6	2.6
92.5°	23.6	64.3	21.0	19.7	19.7
95°	43.9	343.7	253.2	42.6	42.6
97.5°	61.0	417.8	716.8	867.7	652.6
100°	83.3	501.1	762.8	939.8	998.9
102.5°	104.9	531.9	806.0	966.1	1025.1
105°	129.9	545.7	852.6	1002.8	1057.2
107.5°	154.1	553.5	909.7	1034.9	1087.4
110°	179.0	557.5	943.8	1072.3	1117.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	202.0	560.7	930.6	1115.6	1152.3
115°	226.3	564.0	922.8	1140.5	1191.0
117.5°	249.9	566.0	913.6	1114.9	1191.0
120°	273.5	569.3	905.7	1097.9	1164.1
122.5°	293.2	573.2	896.5	1082.8	1145.8
125°	315.5	576.5	886.1	1066.4	1128.1
127.5°	337.1	579.8	874.2	1049.4	1110.3
130°	356.1	587.0	862.4	1032.3	1088.7
132.5°	373.2	590.9	849.3	1012.0	1067.7
135°	390.2	592.2	835.5	992.3	1045.4
137.5°	406.6	591.6	821.8	970.0	1020.5
140°	423.7	589.6	804.7	947.0	994.9
142.5°	438.8	585.7	787.7	921.5	966.1
145°	453.2	581.1	770.0	894.6	936.6
147.5°	465.7	573.9	756.2	865.7	906.4
150°	477.5	566.0	739.8	836.2	872.3
152.5°	486.0	558.8	719.5	808.0	838.2
155°	496.5	552.2	694.5	783.1	810.0
157.5°	503.0	547.0	668.3	752.3	778.5
160°	511.6	543.0	641.4	718.8	743.1
162.5°	517.5	539.1	611.9	681.4	705.0
165°	521.4	535.8	585.0	642.1	663.7
167.5°	525.3	534.5	565.3	600.8	617.8
170°	528.6	533.2	551.6	569.9	579.1
172.5°	530.6	532.5	540.4	550.3	554.8
175°	531.9	532.5	535.8	537.8	539.1
177.5°	532.5	532.5	532.5	531.9	532.5
180°	531.9	531.9	531.9	531.9	531.9

(END OF REPORT)