

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: P274968

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-50L92765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4082.7 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

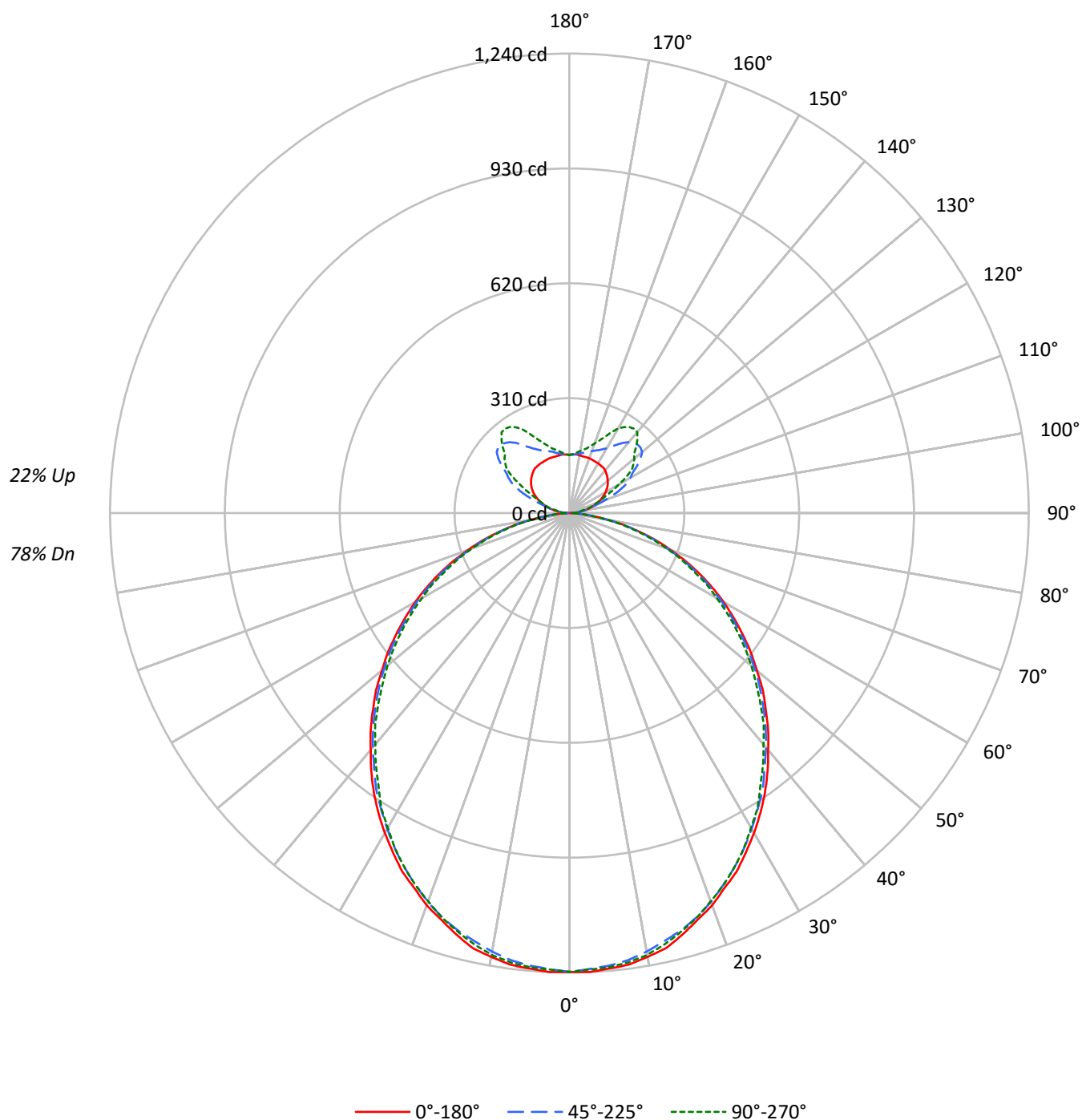
Input Watts (W): 50.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78		
1	104	100	96	92	99	95	92	89	87	84	82	80	78	76	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	68	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	47	43	40		
5	73	61	52	46	69	58	51	45	54	47	42	50	44	40	46	41	38	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31		
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24	22		
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9994	9994	9994
5°	9999	9934	9966
10°	9968	9848	9921
15°	9843	9741	9768
20°	9676	9593	9578
25°	9511	9394	9394
30°	9291	9170	9139
35°	9068	8963	8851
40°	8795	8701	8589
45°	8560	8448	8327
50°	8292	8199	8056
55°	8041	7916	7754
60°	7765	7632	7422
65°	7410	7255	7022
70°	6869	6713	6597
75°	6126	6051	5873
80°	5002	4965	4737
85°	3020	3242	3325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	2.9
10°-20°	330.0	8.1
20°-30°	487.1	11.9
30°-40°	568.8	13.9
40°-50°	571.5	14.0
50°-60°	503.1	12.3
60°-70°	374.5	9.2
70°-80°	205.1	5.0
80°-90°	46.8	1.1
90°-100°	23.4	0.6
100°-110°	74.0	1.8
110°-120°	139.9	3.4
120°-130°	176.4	4.3
130°-140°	173.3	4.2
140°-150°	139.2	3.4
150°-160°	88.9	2.2
160°-170°	48.5	1.2
170°-180°	15.4	0.4
0°-30°	933.9	22.9
0°-40°	1502.7	36.8
0°-60°	2577.3	63.1
0°-90°	3203.6	78.5
90°-120°	237.4	5.8
90°-150°	726.3	17.8
90°-180°	879.0	21.5
0°-180°	4082.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1234	1233	1226	1231	1230	117
15°	1178	1173	1166	1171	1169	332
25°	1068	1060	1055	1055	1055	491
35°	920	917	910	902	898	575
45°	750	748	740	734	729	579
55°	571	572	562	554	551	511
65°	388	385	380	371	368	383
75°	196	196	194	192	188	210
85°	33	37	35	36	36	43
90°	2	3	4	5	5	3
95°	22	20	20	22	23	22
105°	62	99	63	63	58	65
115°	98	196	155	119	107	96
125°	126	200	223	206	206	112
135°	143	179	261	263	256	111
145°	153	173	226	273	283	96
155°	156	167	188	214	227	72
165°	157	162	171	178	181	45
175°	158	159	159	161	161	15
180°	157	157	157	157	157	



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CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1238.0	1238.0	1238.0	1238.0	1238.0
2.5°	1239.6	1238.8	1231.5	1237.2	1233.1
5°	1233.9	1233.1	1225.8	1230.7	1229.8
7.5°	1229.0	1222.5	1216.8	1220.9	1222.5
10°	1216.0	1207.8	1201.3	1210.3	1210.3
12.5°	1202.9	1192.3	1183.4	1194.8	1191.5
15°	1177.7	1172.8	1165.5	1171.2	1168.7
17.5°	1150.8	1150.8	1143.4	1146.7	1144.3
20°	1126.3	1124.7	1116.6	1119.8	1114.9
22.5°	1094.5	1094.5	1085.6	1088.0	1086.4
25°	1067.7	1060.3	1054.6	1055.4	1054.6
27.5°	1031.8	1027.7	1020.4	1022.0	1019.6
30°	996.7	991.0	983.7	986.2	980.4
32.5°	959.3	955.2	946.2	945.4	944.6
35°	920.1	916.9	909.5	902.2	898.1
37.5°	878.6	877.8	865.5	862.3	858.2
40°	834.6	835.4	825.6	819.9	815.0
42.5°	793.8	790.6	784.0	776.7	775.9
45°	749.8	748.2	740.0	733.5	729.4
47.5°	708.2	705.8	697.6	690.3	683.8
50°	660.2	661.8	652.8	644.7	641.4
52.5°	617.0	618.6	608.8	599.8	596.6
55°	571.3	572.1	562.4	554.2	550.9
57.5°	524.9	525.7	517.5	510.2	506.1
60°	480.9	478.4	472.7	463.7	459.7
62.5°	433.6	433.6	425.4	418.1	418.1
65°	387.9	384.7	379.8	370.8	367.6
67.5°	339.9	337.4	331.7	325.2	326.0
70°	291.0	289.3	284.4	280.4	279.5
72.5°	246.1	242.9	239.6	235.5	233.9
75°	196.4	196.4	194.0	191.5	188.3
77.5°	153.2	151.6	150.0	147.5	145.9
80°	107.6	107.6	106.8	104.3	101.9
82.5°	67.6	69.3	67.6	66.8	66.8
85°	32.6	36.7	35.0	35.9	35.9
87.5°	10.6	12.2	14.7	15.5	15.5
90°	1.6	3.3	4.1	4.9	4.9
92.5°	11.4	12.2	15.5	15.5	16.3
95°	22.0	20.4	20.4	22.0	22.8
97.5°	31.8	32.6	26.1	26.1	26.9
100°	41.6	51.3	39.9	32.6	31.8
102.5°	51.3	75.0	51.3	44.8	40.8
105°	61.9	98.6	62.8	62.8	57.9
107.5°	70.9	120.6	80.7	66.0	66.8
110°	80.7	149.1	102.7	80.7	75.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	89.7	176.9	129.6	97.0	90.5
115°	97.8	196.4	154.9	119.0	106.8
117.5°	105.1	205.4	174.4	143.4	129.6
120°	113.3	208.6	189.9	168.7	154.9
122.5°	119.0	206.2	202.1	193.2	182.6
125°	125.5	199.7	223.3	206.2	206.2
127.5°	130.4	192.3	242.1	219.2	217.6
130°	135.3	185.8	255.9	227.4	229.0
132.5°	139.4	181.7	260.8	246.1	235.5
135°	143.4	179.3	260.8	263.2	255.9
137.5°	146.7	177.7	256.7	275.5	271.4
140°	150.0	176.0	249.4	279.5	284.4
142.5°	152.4	174.4	238.8	278.7	286.9
145°	153.2	172.8	225.8	273.0	282.8
147.5°	154.0	171.2	212.7	263.2	274.7
150°	154.9	170.3	202.1	247.8	263.2
152.5°	154.9	168.7	194.0	229.0	246.1
155°	155.7	167.1	187.5	214.3	226.6
157.5°	156.5	165.4	182.6	202.1	211.9
160°	157.3	163.8	177.7	193.2	199.7
162.5°	157.3	163.0	174.4	185.0	189.1
165°	157.3	162.2	171.2	178.5	180.9
167.5°	157.3	161.4	166.3	172.8	175.2
170°	158.1	160.6	163.0	167.9	170.3
172.5°	158.9	159.7	160.6	163.8	165.4
175°	158.1	158.9	158.9	160.6	160.6
177.5°	158.1	158.1	158.1	158.9	158.1
180°	157.3	157.3	157.3	157.3	157.3

(END OF REPORT)