

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: P274972

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274972
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4628.7 lumens
Efficiency: N/A
Efficacy: 89.2 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

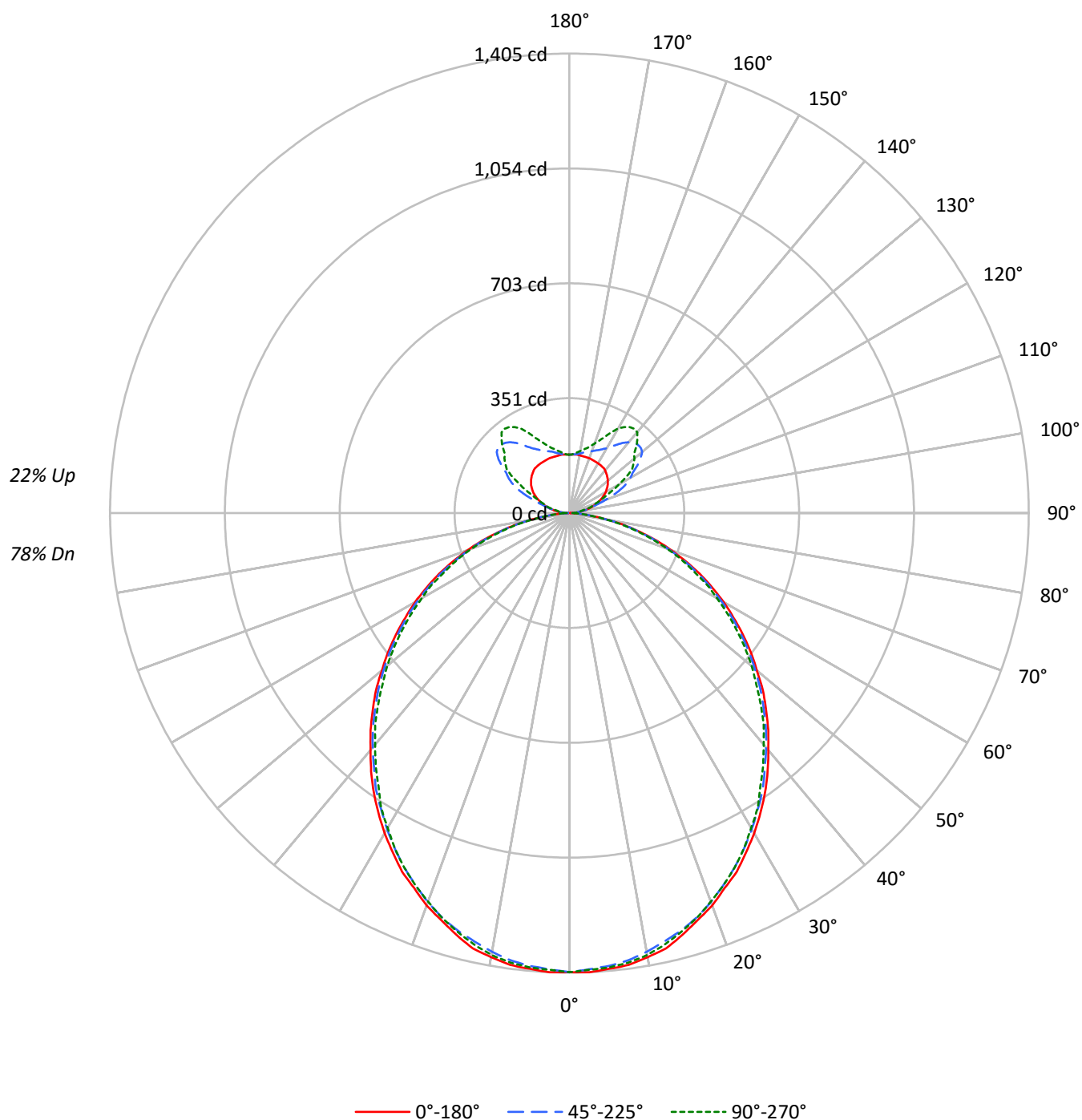
Input Watts (W): 51.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11331	11331	11331
5°	11336	11262	11299
10°	11301	11165	11248
15°	11159	11043	11074
20°	10971	10875	10859
25°	10782	10651	10651
30°	10535	10397	10362
35°	10281	10163	10035
40°	9972	9864	9738
45°	9705	9579	9442
50°	9399	9295	9133
55°	9116	8974	8791
60°	8803	8653	8414
65°	8401	8225	7960
70°	7787	7612	7480
75°	6946	6859	6656
80°	5672	5625	5370
85°	3427	3677	3770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	2.9
10°-20°	374.1	8.1
20°-30°	552.3	11.9
30°-40°	644.9	13.9
40°-50°	647.9	14.0
50°-60°	570.4	12.3
60°-70°	424.6	9.2
70°-80°	232.5	5.0
80°-90°	53.0	1.1
90°-100°	26.6	0.6
100°-110°	83.9	1.8
110°-120°	158.6	3.4
120°-130°	200.0	4.3
130°-140°	196.5	4.2
140°-150°	157.8	3.4
150°-160°	100.7	2.2
160°-170°	55.0	1.2
170°-180°	17.4	0.4
0°-30°	1058.8	22.9
0°-40°	1703.6	36.8
0°-60°	2922.0	63.1
0°-90°	3632.1	78.5
90°-120°	269.1	5.8
90°-150°	823.4	17.8
90°-180°	997.0	21.5
0°-180°	4628.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1404	1404	1404	1404	1404	
5°	1399	1398	1390	1395	1394	133
15°	1335	1330	1321	1328	1325	376
25°	1210	1202	1196	1197	1196	556
35°	1043	1040	1031	1023	1018	652
45°	850	848	839	832	827	656
55°	648	649	638	628	625	579
65°	440	436	431	420	417	434
75°	223	223	220	217	213	238
85°	37	42	40	41	41	49
90°	2	4	5	6	6	4
95°	25	23	23	25	26	25
105°	70	112	71	71	66	73
115°	111	223	176	135	121	109
125°	142	226	253	234	234	127
135°	163	203	296	298	290	125
145°	174	196	256	310	321	109
155°	176	189	212	243	257	82
165°	178	184	194	202	205	51
175°	179	180	180	182	182	17
180°	178	178	178	178	178	



TEST NUMBER: P274972

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1403.6	1403.6	1403.6	1403.6	1403.6
2.5°	1405.4	1404.5	1396.2	1402.6	1398.0
5°	1398.9	1398.0	1389.7	1395.2	1394.3
7.5°	1393.4	1386.0	1379.5	1384.2	1386.0
10°	1378.6	1369.4	1362.0	1372.1	1372.1
12.5°	1363.8	1351.8	1341.6	1354.6	1350.9
15°	1335.2	1329.6	1321.3	1327.8	1325.0
17.5°	1304.7	1304.7	1296.4	1300.1	1297.3
20°	1277.0	1275.1	1265.9	1269.6	1264.0
22.5°	1240.9	1240.9	1230.8	1233.5	1231.7
25°	1210.4	1202.1	1195.7	1196.6	1195.7
27.5°	1169.8	1165.2	1156.8	1158.7	1155.9
30°	1130.1	1123.6	1115.3	1118.0	1111.6
32.5°	1087.5	1082.9	1072.8	1071.8	1070.9
35°	1043.2	1039.5	1031.2	1022.9	1018.2
37.5°	996.1	995.1	981.3	977.6	973.0
40°	946.2	947.1	936.0	929.5	924.0
42.5°	900.0	896.3	888.9	880.6	879.6
45°	850.1	848.2	839.0	831.6	827.0
47.5°	803.0	800.2	790.9	782.6	775.2
50°	748.4	750.3	740.1	730.9	727.2
52.5°	699.5	701.3	690.2	680.1	676.4
55°	647.7	648.6	637.6	628.3	624.6
57.5°	595.1	596.0	586.7	578.4	573.8
60°	545.2	542.4	535.9	525.8	521.1
62.5°	491.6	491.6	482.3	474.0	474.0
65°	439.8	436.1	430.6	420.4	416.7
67.5°	385.3	382.5	376.1	368.7	369.6
70°	329.9	328.0	322.5	317.9	316.9
72.5°	279.0	275.4	271.7	267.0	265.2
75°	222.7	222.7	219.9	217.1	213.4
77.5°	173.7	171.9	170.0	167.2	165.4
80°	122.0	122.0	121.0	118.3	115.5
82.5°	76.7	78.5	76.7	75.8	75.8
85°	37.0	41.6	39.7	40.7	40.7
87.5°	12.0	13.9	16.6	17.6	17.6
90°	1.8	3.7	4.6	5.5	5.5
92.5°	12.9	13.9	17.6	17.6	18.5
95°	24.9	23.1	23.1	24.9	25.9
97.5°	36.0	37.0	29.6	29.6	30.5
100°	47.1	58.2	45.3	37.0	36.0
102.5°	58.2	85.0	58.2	50.8	46.2
105°	70.2	111.8	71.1	71.1	65.6
107.5°	80.4	136.8	91.5	74.8	75.8
110°	91.5	169.1	116.4	91.5	85.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	101.6	200.5	146.9	110.0	102.6
115°	110.9	222.7	175.6	134.9	121.0
117.5°	119.2	232.8	197.7	162.6	146.9
120°	128.4	236.5	215.3	191.3	175.6
122.5°	134.9	233.8	229.2	219.0	207.0
125°	142.3	226.4	253.2	233.8	233.8
127.5°	147.8	218.1	274.4	248.6	246.7
130°	153.4	210.7	290.1	257.8	259.6
132.5°	158.0	206.1	295.7	279.0	267.0
135°	162.6	203.3	295.7	298.5	290.1
137.5°	166.3	201.4	291.1	312.3	307.7
140°	170.0	199.6	282.7	316.9	322.5
142.5°	172.8	197.7	270.7	316.0	325.2
145°	173.7	195.9	255.9	309.5	320.6
147.5°	174.6	194.0	241.2	298.5	311.4
150°	175.6	193.1	229.2	280.9	298.5
152.5°	175.6	191.3	219.9	259.6	279.0
155°	176.5	189.4	212.5	243.0	256.9
157.5°	177.4	187.6	207.0	229.2	240.2
160°	178.3	185.7	201.4	219.0	226.4
162.5°	178.3	184.8	197.7	209.7	214.4
165°	178.3	183.9	194.0	202.4	205.1
167.5°	178.3	183.0	188.5	195.9	198.7
170°	179.3	182.0	184.8	190.3	193.1
172.5°	180.2	181.1	182.0	185.7	187.6
175°	179.3	180.2	180.2	182.0	182.0
177.5°	179.3	179.3	179.3	180.2	179.3
180°	178.3	178.3	178.3	178.3	178.3

(END OF REPORT)