

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: P274974

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274974
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4753.9 lumens
Efficiency: N/A
Efficacy: 89.5 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

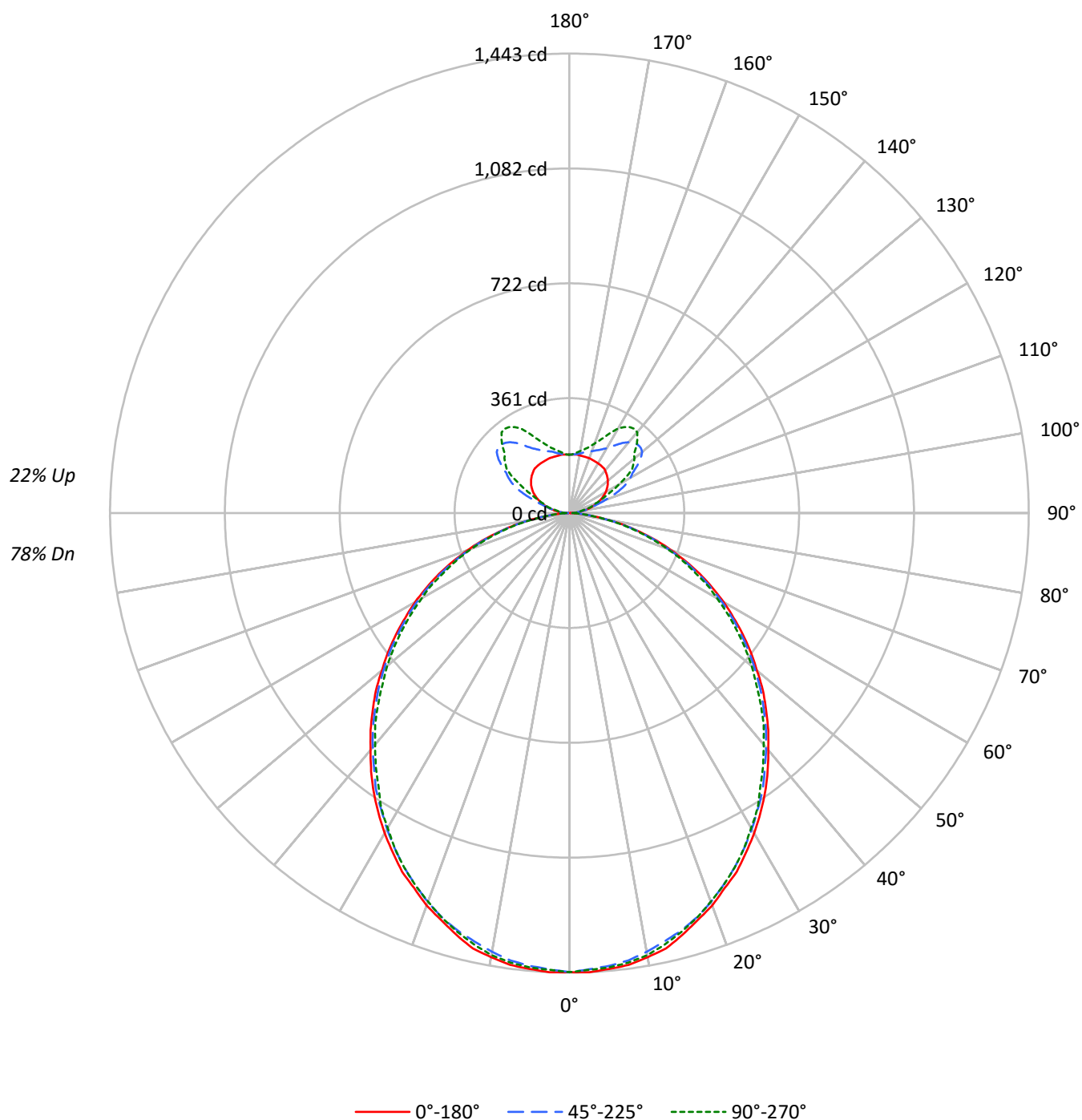
Input Watts (W): 53.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	11637	11637	11637
5°	11644	11567	11605
10°	11607	11467	11553
15°	11461	11342	11374
20°	11267	11169	11153
25°	11074	10938	10938
30°	10819	10677	10642
35°	10559	10438	10307
40°	10241	10131	10001
45°	9968	9838	9697
50°	9654	9546	9381
55°	9363	9216	9029
60°	9040	8887	8641
65°	8628	8447	8176
70°	7997	7818	7683
75°	7133	7046	6837
80°	5825	5779	5514
85°	3520	3779	3872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.9	2.9
10°-20°	384.2	8.1
20°-30°	567.2	11.9
30°-40°	662.3	13.9
40°-50°	665.5	14.0
50°-60°	585.8	12.3
60°-70°	436.1	9.2
70°-80°	238.8	5.0
80°-90°	54.4	1.1
90°-100°	27.3	0.6
100°-110°	86.2	1.8
110°-120°	162.9	3.4
120°-130°	205.4	4.3
130°-140°	201.8	4.2
140°-150°	162.1	3.4
150°-160°	103.5	2.2
160°-170°	56.5	1.2
170°-180°	17.9	0.4
0°-30°	1087.4	22.9
0°-40°	1749.7	36.8
0°-60°	3001.0	63.1
0°-90°	3730.3	78.5
90°-120°	276.4	5.8
90°-150°	845.7	17.8
90°-180°	1024.0	21.5
0°-180°	4753.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1437	1436	1427	1433	1432	137
15°	1371	1366	1357	1364	1361	386
25°	1243	1235	1228	1229	1228	571
35°	1071	1068	1059	1050	1046	669
45°	873	871	862	854	849	674
55°	665	666	655	645	642	595
65°	452	448	442	432	428	446
75°	229	229	226	223	219	244
85°	38	43	41	42	42	50
90°	2	4	5	6	6	4
95°	26	24	24	26	27	25
105°	72	115	73	73	67	75
115°	114	229	180	139	124	112
125°	146	232	260	240	240	130
135°	167	209	304	306	298	129
145°	178	201	263	318	329	112
155°	181	194	218	250	264	84
165°	183	189	199	208	211	52
175°	184	185	185	187	187	18
180°	183	183	183	183	183	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1441.5	1441.5	1441.5	1441.5	1441.5
2.5°	1443.4	1442.5	1433.9	1440.6	1435.8
5°	1436.8	1435.8	1427.3	1433.0	1432.0
7.5°	1431.1	1423.5	1416.9	1421.6	1423.5
10°	1415.9	1406.4	1398.8	1409.3	1409.3
12.5°	1400.7	1388.4	1377.9	1391.2	1387.4
15°	1371.3	1365.6	1357.1	1363.7	1360.9
17.5°	1340.0	1340.0	1331.4	1335.2	1332.4
20°	1311.5	1309.6	1300.1	1303.9	1298.2
22.5°	1274.5	1274.5	1264.1	1266.9	1265.0
25°	1243.2	1234.6	1228.0	1229.0	1228.0
27.5°	1201.4	1196.7	1188.1	1190.0	1187.2
30°	1160.6	1154.0	1145.4	1148.3	1141.6
32.5°	1117.0	1112.2	1101.8	1100.8	1099.9
35°	1071.4	1067.6	1059.1	1050.5	1045.8
37.5°	1023.0	1022.1	1007.8	1004.0	999.3
40°	971.8	972.7	961.3	954.7	949.0
42.5°	924.3	920.5	912.9	904.4	903.4
45°	873.1	871.2	861.7	854.1	849.4
47.5°	824.7	821.8	812.3	803.8	796.2
50°	768.7	770.6	760.1	750.7	746.9
52.5°	718.4	720.3	708.9	698.5	694.7
55°	665.2	666.2	654.8	645.3	641.5
57.5°	611.2	612.1	602.6	594.1	589.3
60°	559.9	557.1	550.4	540.0	535.2
62.5°	504.9	504.9	495.4	486.8	486.8
65°	451.7	447.9	442.2	431.8	428.0
67.5°	395.7	392.9	386.2	378.7	379.6
70°	338.8	336.9	331.2	326.5	325.5
72.5°	286.6	282.8	279.0	274.3	272.4
75°	228.7	228.7	225.9	223.0	219.2
77.5°	178.4	176.5	174.6	171.8	169.9
80°	125.3	125.3	124.3	121.5	118.6
82.5°	78.8	80.7	78.8	77.8	77.8
85°	38.0	42.7	40.8	41.8	41.8
87.5°	12.3	14.2	17.1	18.0	18.0
90°	1.9	3.8	4.7	5.7	5.7
92.5°	13.3	14.2	18.0	18.0	19.0
95°	25.6	23.7	23.7	25.6	26.6
97.5°	37.0	38.0	30.4	30.4	31.3
100°	48.4	59.8	46.5	38.0	37.0
102.5°	59.8	87.3	59.8	52.2	47.5
105°	72.1	114.8	73.1	73.1	67.4
107.5°	82.6	140.5	94.0	76.9	77.8
110°	94.0	173.7	119.6	94.0	88.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	104.4	205.9	150.9	112.9	105.3
115°	113.9	228.7	180.3	138.6	124.3
117.5°	122.4	239.1	203.1	167.0	150.9
120°	131.9	242.9	221.1	196.4	180.3
122.5°	138.6	240.1	235.4	224.9	212.6
125°	146.1	232.5	260.0	240.1	240.1
127.5°	151.8	224.0	281.9	255.3	253.4
130°	157.5	216.4	298.0	264.8	266.7
132.5°	162.3	211.6	303.7	286.6	274.3
135°	167.0	208.8	303.7	306.5	298.0
137.5°	170.8	206.9	298.9	320.8	316.0
140°	174.6	205.0	290.4	325.5	331.2
142.5°	177.5	203.1	278.1	324.6	334.0
145°	178.4	201.2	262.9	317.9	329.3
147.5°	179.4	199.3	247.7	306.5	319.8
150°	180.3	198.3	235.4	288.5	306.5
152.5°	180.3	196.4	225.9	266.7	286.6
155°	181.3	194.5	218.3	249.6	263.8
157.5°	182.2	192.6	212.6	235.4	246.7
160°	183.2	190.7	206.9	224.9	232.5
162.5°	183.2	189.8	203.1	215.4	220.2
165°	183.2	188.9	199.3	207.8	210.7
167.5°	183.2	187.9	193.6	201.2	204.0
170°	184.1	187.0	189.8	195.5	198.3
172.5°	185.1	186.0	187.0	190.7	192.6
175°	184.1	185.1	185.1	187.0	187.0
177.5°	184.1	184.1	184.1	185.1	184.1
180°	183.2	183.2	183.2	183.2	183.2

(END OF REPORT)