

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: P274960

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
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-DLED-W-4 (3000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
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: 3758.9 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

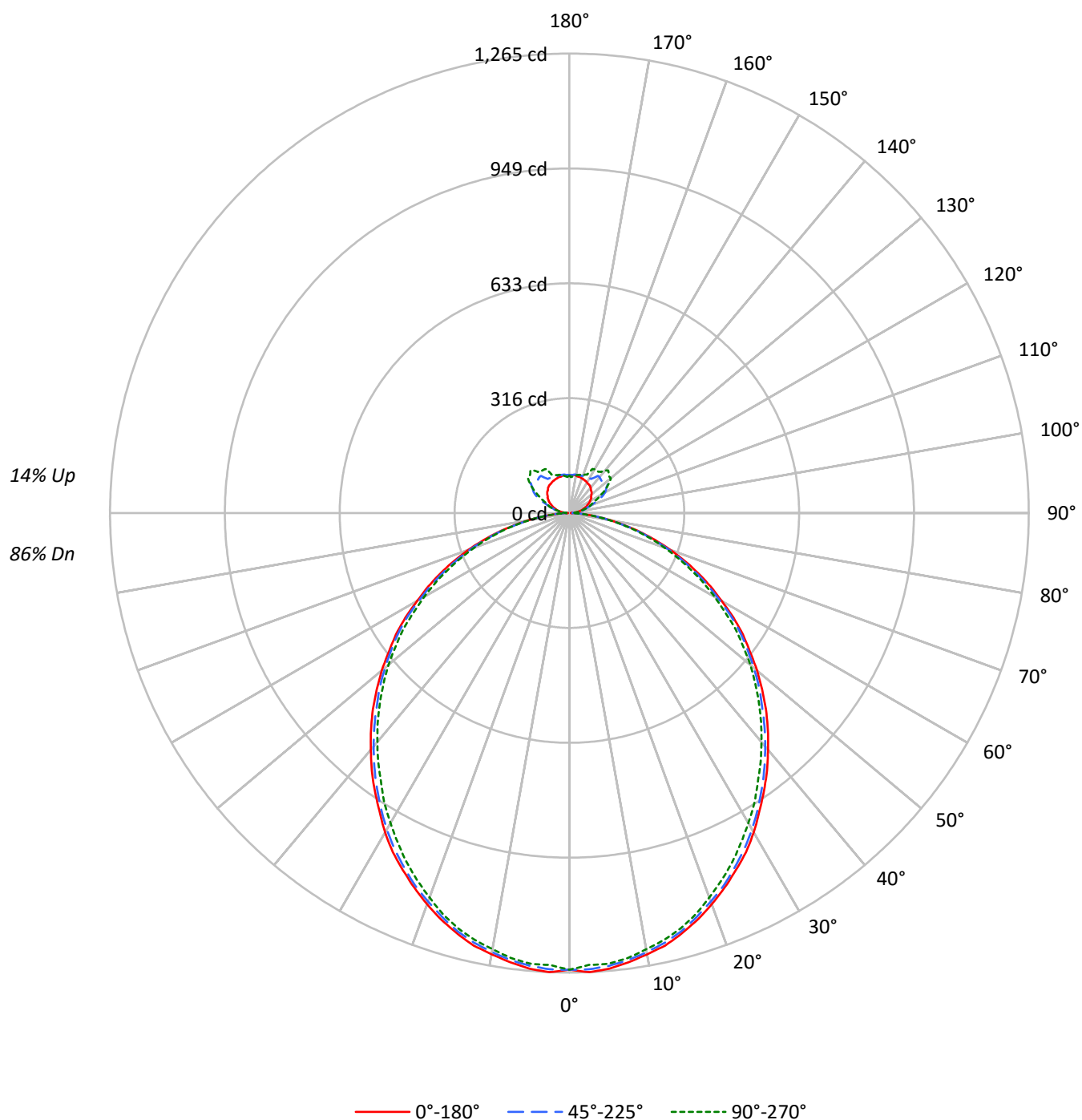
Input Watts (W): 50.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	116	116	116	116	112	112	112	112	104	104	104		96	96	96		90
1	106	101	97	94	102	98	94	91	91	88	85		85	83	80		79
2	97	89	82	77	93	86	80	75	80	75	71		75	71	67		70
3	88	78	70	64	85	75	68	62	71	65	60		66	61	57		62
4	81	69	61	54	77	67	59	53	63	56	51		59	53	49		55
5	74	62	53	47	71	60	52	46	56	49	44		53	47	42		50
6	69	56	47	41	66	54	46	40	51	44	39		48	42	37		45
7	64	51	42	36	61	49	41	36	46	39	34		44	38	33		41
8	59	46	38	32	57	45	37	32	42	36	31		40	34	30		38
9	55	42	34	29	53	41	34	29	39	32	28		37	31	27		35
10	52	39	31	26	50	38	31	26	36	30	25		34	29	24		33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10148	10148	10148
5°	10203	10139	10091
10°	10110	10061	9996
15°	10009	9959	9893
20°	9845	9777	9675
25°	9661	9590	9449
30°	9464	9371	9186
35°	9204	9106	8910
40°	8964	8839	8671
45°	8737	8557	8421
50°	8466	8317	8167
55°	8204	8093	7869
60°	7811	7684	7459
65°	7461	7272	7045
70°	6973	6786	6552
75°	6307	6185	5998
80°	5346	5253	5160
85°	4039	4224	4039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	3.2
10°-20°	334.6	8.9
20°-30°	493.5	13.1
30°-40°	575.1	15.3
40°-50°	578.2	15.4
50°-60°	509.2	13.5
60°-70°	375.9	10.0
70°-80°	208.3	5.5
80°-90°	54.2	1.4
90°-100°	19.3	0.5
100°-110°	49.7	1.3
110°-120°	80.7	2.1
120°-130°	100.8	2.7
130°-140°	94.7	2.5
140°-150°	74.6	2.0
150°-160°	51.4	1.4
160°-170°	30.3	0.8
170°-180°	10.0	0.3
0°-30°	946.4	25.2
0°-40°	1521.6	40.5
0°-60°	2609.0	69.4
0°-90°	3247.4	86.4
90°-120°	149.6	4.0
90°-150°	419.8	11.2
90°-180°	512.0	13.6
0°-180°	3758.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1257	1257	1257	1257	1257	
5°	1259	1245	1251	1247	1245	119
15°	1198	1186	1192	1186	1184	337
25°	1085	1075	1077	1063	1061	500
35°	934	926	924	908	904	585
45°	765	757	750	740	738	590
55°	583	577	575	563	559	520
65°	391	387	381	373	369	386
75°	202	200	198	192	192	214
85°	44	46	46	44	44	51
90°	4	8	8	8	8	5
95°	14	16	18	18	18	15
105°	38	52	46	50	46	40
115°	56	89	91	79	77	56
125°	73	101	125	129	127	65
135°	85	95	125	155	153	66
145°	95	99	119	137	139	59
155°	99	103	109	117	117	46
165°	103	103	109	111	109	29
175°	105	105	105	105	101	10
180°	103	103	103	103	103	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1257.1	1257.1	1257.1	1257.1	1257.1
2.5°	1265.0	1251.1	1257.1	1253.1	1245.2
5°	1259.0	1245.2	1251.1	1247.1	1245.2
7.5°	1247.1	1235.3	1241.2	1237.2	1235.3
10°	1233.3	1221.4	1227.3	1221.4	1219.4
12.5°	1219.4	1205.5	1211.5	1203.5	1203.5
15°	1197.6	1185.7	1191.6	1185.7	1183.7
17.5°	1173.8	1161.9	1165.9	1159.9	1157.9
20°	1146.0	1134.1	1138.1	1130.2	1126.2
22.5°	1116.3	1106.4	1110.3	1096.5	1094.5
25°	1084.6	1074.6	1076.6	1062.8	1060.8
27.5°	1052.8	1039.0	1042.9	1027.1	1023.1
30°	1015.2	1003.3	1005.3	989.4	985.4
32.5°	973.5	965.6	965.6	949.7	947.8
35°	933.9	925.9	924.0	908.1	904.1
37.5°	894.2	884.3	882.3	864.5	864.5
40°	850.6	842.7	838.7	824.8	822.8
42.5°	809.0	799.0	795.1	781.2	781.2
45°	765.3	757.4	749.5	739.6	737.6
47.5°	719.7	711.8	707.8	695.9	694.0
50°	674.1	668.2	662.2	652.3	650.3
52.5°	626.5	622.6	618.6	608.7	602.8
55°	582.9	577.0	575.0	563.1	559.1
57.5°	535.3	529.4	527.4	513.5	507.6
60°	483.8	477.8	475.9	464.0	462.0
62.5°	438.2	432.2	428.3	420.3	416.4
65°	390.6	386.6	380.7	372.8	368.8
67.5°	343.0	339.0	333.1	327.2	323.2
70°	295.4	291.5	287.5	279.6	277.6
72.5°	247.8	243.9	239.9	235.9	235.9
75°	202.2	200.3	198.3	192.3	192.3
77.5°	156.6	154.7	152.7	150.7	150.7
80°	115.0	115.0	113.0	111.0	111.0
82.5°	77.3	77.3	77.3	75.3	75.3
85°	43.6	45.6	45.6	43.6	43.6
87.5°	17.8	17.8	17.8	17.8	17.8
90°	4.0	7.9	7.9	7.9	7.9
92.5°	7.9	9.9	11.9	13.9	11.9
95°	13.9	15.9	17.8	17.8	17.8
97.5°	21.8	23.8	23.8	23.8	23.8
100°	27.8	31.7	29.7	31.7	29.7
102.5°	33.7	41.6	41.6	37.7	37.7
105°	37.7	51.6	45.6	49.6	45.6
107.5°	41.6	63.4	53.5	55.5	57.5
110°	47.6	71.4	65.4	59.5	61.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	51.6	87.2	77.3	69.4	67.4
115°	55.5	89.2	91.2	79.3	77.3
117.5°	61.5	89.2	103.1	93.2	89.2
120°	65.4	95.2	113.0	105.1	101.1
122.5°	69.4	99.1	119.0	119.0	115.0
125°	73.4	101.1	124.9	128.9	126.9
127.5°	75.3	95.2	134.8	140.8	138.8
130°	79.3	91.2	132.8	142.8	148.7
132.5°	83.3	93.2	128.9	144.7	148.7
135°	85.3	95.2	124.9	154.7	152.7
137.5°	87.2	97.2	126.9	148.7	158.6
140°	91.2	97.2	128.9	140.8	152.7
142.5°	93.2	99.1	128.9	134.8	142.8
145°	95.2	99.1	119.0	136.8	138.8
147.5°	95.2	101.1	111.0	138.8	138.8
150°	97.2	101.1	111.0	138.8	138.8
152.5°	99.1	103.1	109.1	120.9	136.8
155°	99.1	103.1	109.1	117.0	117.0
157.5°	101.1	103.1	109.1	115.0	115.0
160°	101.1	103.1	109.1	113.0	111.0
162.5°	103.1	103.1	107.1	111.0	109.1
165°	103.1	103.1	109.1	111.0	109.1
167.5°	103.1	105.1	107.1	109.1	107.1
170°	105.1	105.1	107.1	107.1	105.1
172.5°	105.1	105.1	107.1	105.1	103.1
175°	105.1	105.1	105.1	105.1	101.1
177.5°	105.1	103.1	105.1	103.1	99.1
180°	103.1	103.1	103.1	103.1	103.1

(END OF REPORT)