

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: P274914

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274914
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-40L82765-1D-UNV-W2A-DLED-W-4 (4000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3637.9 lumens
Efficiency: N/A
Efficacy: 98.1 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

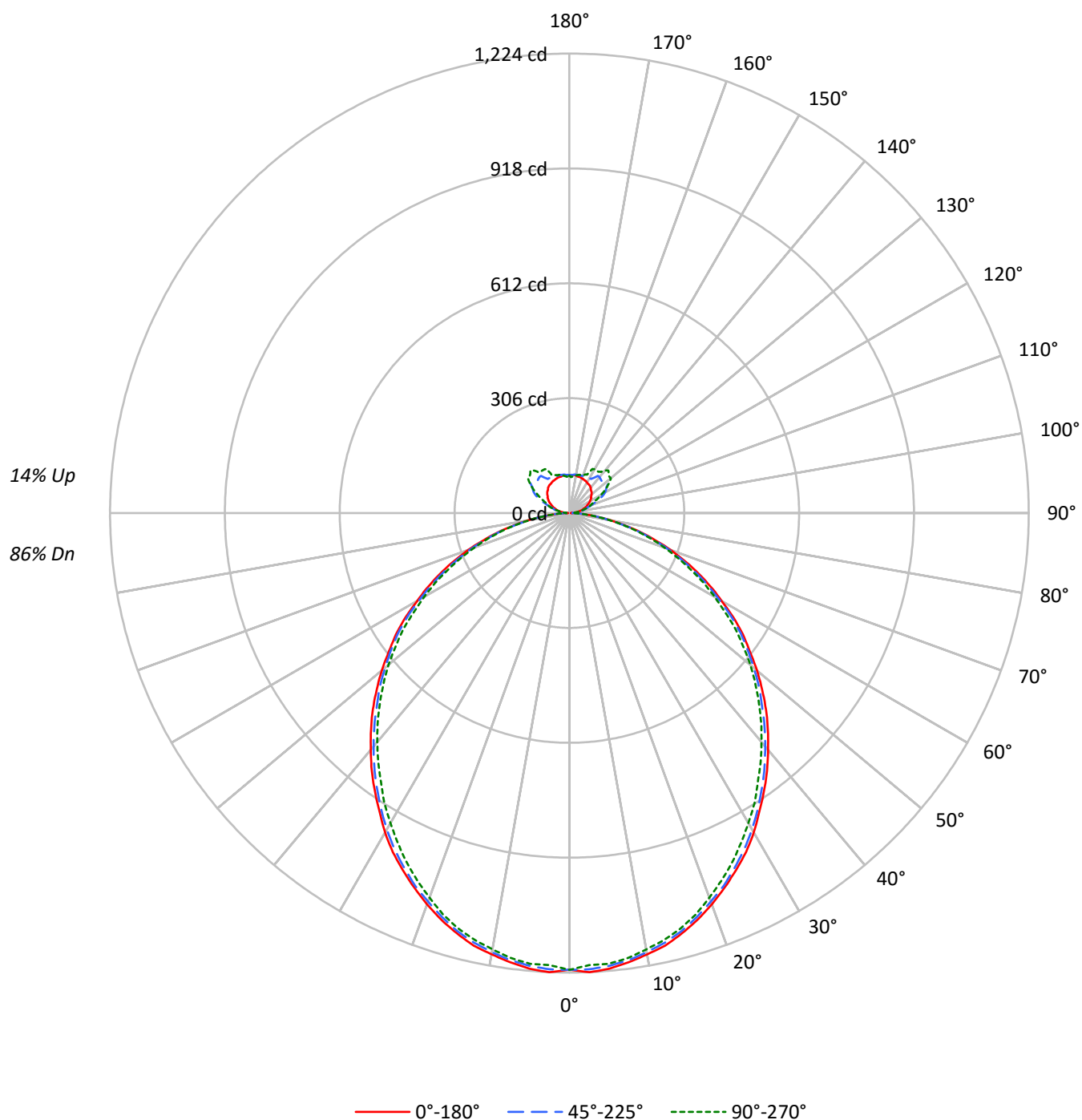
Input Watts (W): 37.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	9822	9822	9822
5°	9874	9812	9766
10°	9785	9737	9674
15°	9687	9639	9575
20°	9528	9462	9363
25°	9349	9282	9144
30°	9159	9069	8890
35°	8907	8813	8623
40°	8675	8554	8392
45°	8456	8281	8149
50°	8194	8049	7905
55°	7941	7833	7616
60°	7560	7435	7219
65°	7221	7037	6818
70°	6748	6567	6340
75°	6104	5986	5805
80°	5174	5086	4998
85°	3909	4085	3909



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	3.2
10°-20°	323.8	8.9
20°-30°	477.6	13.1
30°-40°	556.6	15.3
40°-50°	559.6	15.4
50°-60°	492.8	13.5
60°-70°	363.8	10.0
70°-80°	201.6	5.5
80°-90°	52.5	1.4
90°-100°	18.7	0.5
100°-110°	48.1	1.3
110°-120°	78.1	2.1
120°-130°	97.5	2.7
130°-140°	91.6	2.5
140°-150°	72.2	2.0
150°-160°	49.8	1.4
160°-170°	29.3	0.8
170°-180°	9.7	0.3
0°-30°	915.9	25.2
0°-40°	1472.6	40.5
0°-60°	2525.0	69.4
0°-90°	3142.8	86.4
90°-120°	144.8	4.0
90°-150°	406.3	11.2
90°-180°	495.0	13.6
0°-180°	3637.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1217	1217	1217	1217	1217	
5°	1218	1205	1211	1207	1205	115
15°	1159	1148	1153	1148	1146	327
25°	1050	1040	1042	1028	1027	484
35°	904	896	894	879	875	566
45°	741	733	725	716	714	571
55°	564	558	556	545	541	503
65°	378	374	368	361	357	374
75°	196	194	192	186	186	207
85°	42	44	44	42	42	49
90°	4	8	8	8	8	4
95°	13	15	17	17	17	14
105°	36	50	44	48	44	39
115°	54	86	88	77	75	54
125°	71	98	121	125	123	63
135°	82	92	121	150	148	64
145°	92	96	115	132	134	57
155°	96	100	106	113	113	45
165°	100	100	106	108	106	28
175°	102	102	102	102	98	10
180°	100	100	100	100	100	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1216.6	1216.6	1216.6	1216.6	1216.6
2.5°	1224.3	1210.8	1216.6	1212.7	1205.1
5°	1218.5	1205.1	1210.8	1207.0	1205.1
7.5°	1207.0	1195.5	1201.2	1197.4	1195.5
10°	1193.6	1182.0	1187.8	1182.0	1180.1
12.5°	1180.1	1166.7	1172.4	1164.8	1164.8
15°	1159.0	1147.5	1153.3	1147.5	1145.6
17.5°	1136.0	1124.5	1128.3	1122.6	1120.6
20°	1109.1	1097.6	1101.4	1093.8	1089.9
22.5°	1080.3	1070.7	1074.6	1061.2	1059.2
25°	1049.6	1040.0	1042.0	1028.5	1026.6
27.5°	1018.9	1005.5	1009.3	994.0	990.2
30°	982.5	971.0	972.9	957.5	953.7
32.5°	942.2	934.5	934.5	919.2	917.2
35°	903.8	896.1	894.2	878.9	875.0
37.5°	865.4	855.8	853.9	836.6	836.6
40°	823.2	815.5	811.7	798.3	796.3
42.5°	782.9	773.3	769.5	756.0	756.0
45°	740.7	733.0	725.3	715.7	713.8
47.5°	696.6	688.9	685.0	673.5	671.6
50°	652.4	646.7	640.9	631.3	629.4
52.5°	606.4	602.5	598.7	589.1	583.3
55°	564.2	558.4	556.5	545.0	541.1
57.5°	518.1	512.3	510.4	497.0	491.2
60°	468.2	462.5	460.5	449.0	447.1
62.5°	424.1	418.3	414.5	406.8	403.0
65°	378.0	374.2	368.4	360.8	356.9
67.5°	332.0	328.1	322.4	316.6	312.8
70°	285.9	282.1	278.2	270.6	268.6
72.5°	239.9	236.0	232.2	228.3	228.3
75°	195.7	193.8	191.9	186.1	186.1
77.5°	151.6	149.7	147.8	145.8	145.8
80°	111.3	111.3	109.4	107.5	107.5
82.5°	74.8	74.8	74.8	72.9	72.9
85°	42.2	44.1	44.1	42.2	42.2
87.5°	17.3	17.3	17.3	17.3	17.3
90°	3.8	7.7	7.7	7.7	7.7
92.5°	7.7	9.6	11.5	13.4	11.5
95°	13.4	15.4	17.3	17.3	17.3
97.5°	21.1	23.0	23.0	23.0	23.0
100°	26.9	30.7	28.8	30.7	28.8
102.5°	32.6	40.3	40.3	36.5	36.5
105°	36.5	49.9	44.1	48.0	44.1
107.5°	40.3	61.4	51.8	53.7	55.6
110°	46.1	69.1	63.3	57.6	59.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	49.9	84.4	74.8	67.2	65.2
115°	53.7	86.4	88.3	76.8	74.8
117.5°	59.5	86.4	99.8	90.2	86.4
120°	63.3	92.1	109.4	101.7	97.9
122.5°	67.2	95.9	115.1	115.1	111.3
125°	71.0	97.9	120.9	124.7	122.8
127.5°	72.9	92.1	130.5	136.2	134.3
130°	76.8	88.3	128.6	138.2	143.9
132.5°	80.6	90.2	124.7	140.1	143.9
135°	82.5	92.1	120.9	149.7	147.8
137.5°	84.4	94.0	122.8	143.9	153.5
140°	88.3	94.0	124.7	136.2	147.8
142.5°	90.2	95.9	124.7	130.5	138.2
145°	92.1	95.9	115.1	132.4	134.3
147.5°	92.1	97.9	107.5	134.3	134.3
150°	94.0	97.9	107.5	134.3	134.3
152.5°	95.9	99.8	105.5	117.1	132.4
155°	95.9	99.8	105.5	113.2	113.2
157.5°	97.9	99.8	105.5	111.3	111.3
160°	97.9	99.8	105.5	109.4	107.5
162.5°	99.8	99.8	103.6	107.5	105.5
165°	99.8	99.8	105.5	107.5	105.5
167.5°	99.8	101.7	103.6	105.5	103.6
170°	101.7	101.7	103.6	103.6	101.7
172.5°	101.7	101.7	103.6	101.7	99.8
175°	101.7	101.7	101.7	101.7	97.9
177.5°	101.7	99.8	101.7	99.8	95.9
180°	99.8	99.8	99.8	99.8	99.8

(END OF REPORT)