

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: P274853

Luminaire Tested: **J2-WL-20L82765-1D-UNV-W2A-DLED-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-20L82765-1D-UNV-W2A-DLED-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1962.0 lumens
Efficiency: N/A
Efficacy: 112.1 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

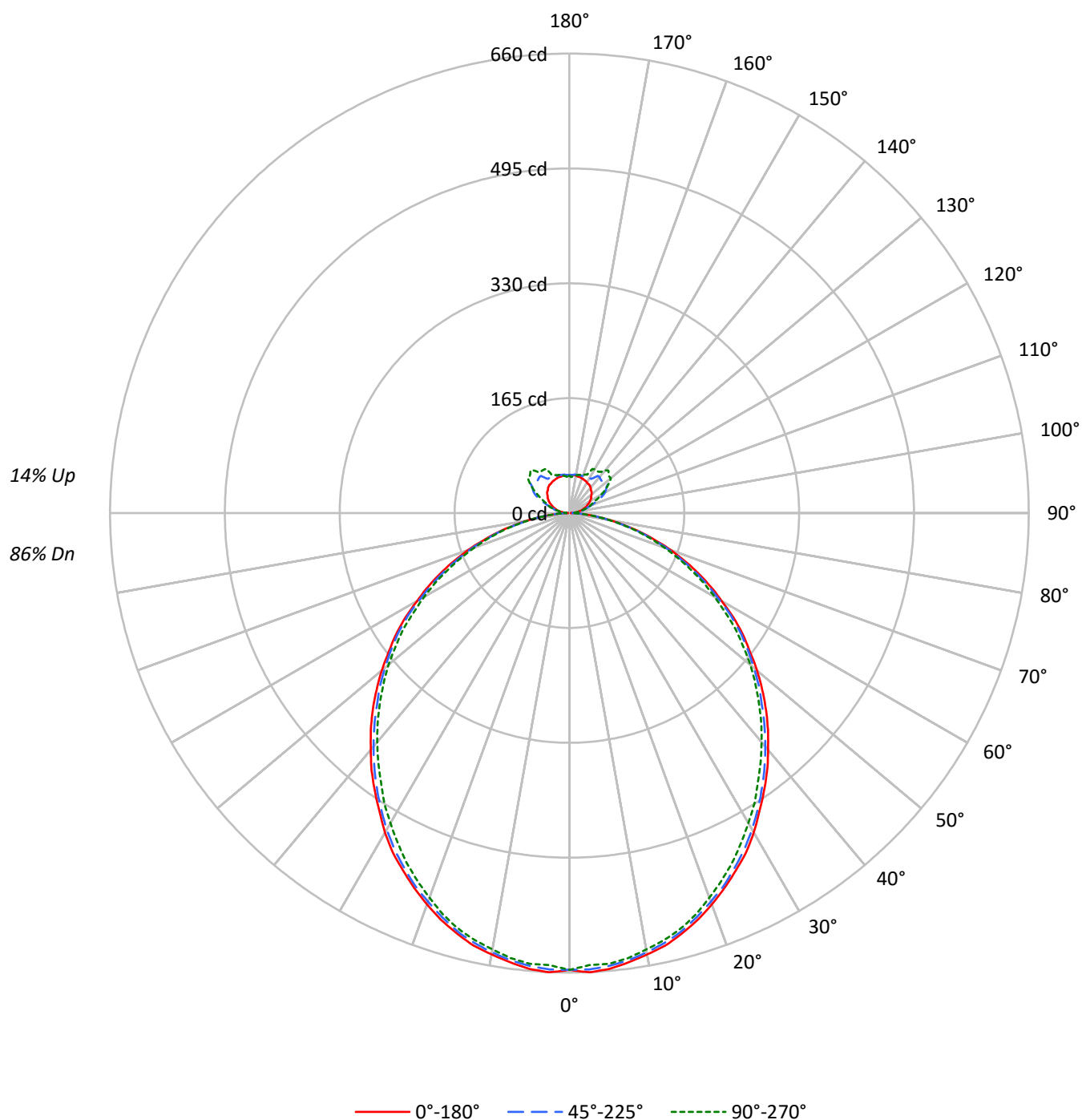
Input Watts (W): 17.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																	
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5297	5297	5297
5°	5326	5292	5267
10°	5277	5251	5218
15°	5224	5199	5163
20°	5139	5103	5050
25°	5043	5005	4932
30°	4940	4891	4794
35°	4803	4753	4651
40°	4679	4614	4526
45°	4561	4466	4395
50°	4420	4342	4263
55°	4283	4224	4107
60°	4077	4011	3893
65°	3895	3796	3677
70°	3640	3543	3420
75°	3294	3228	3132
80°	2789	2743	2696
85°	2112	2205	2112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	3.2
10°-20°	174.6	8.9
20°-30°	257.6	13.1
30°-40°	300.2	15.3
40°-50°	301.8	15.4
50°-60°	265.8	13.5
60°-70°	196.2	10.0
70°-80°	108.7	5.5
80°-90°	28.3	1.4
90°-100°	10.0	0.5
100°-110°	25.9	1.3
110°-120°	42.1	2.1
120°-130°	52.6	2.7
130°-140°	49.4	2.5
140°-150°	39.0	2.0
150°-160°	26.8	1.4
160°-170°	15.8	0.8
170°-180°	5.2	0.3
0°-30°	494.0	25.2
0°-40°	794.2	40.5
0°-60°	1361.8	69.4
0°-90°	1695.0	86.4
90°-120°	78.1	4.0
90°-150°	219.1	11.2
90°-180°	267.0	13.6
0°-180°	1962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	657	650	653	651	650	62
15°	625	619	622	619	618	176
25°	566	561	562	555	554	261
35°	487	483	482	474	472	305
45°	400	395	391	386	385	308
55°	304	301	300	294	292	271
65°	204	202	199	195	192	202
75°	106	104	104	100	100	112
85°	23	24	24	23	23	27
90°	2	4	4	4	4	2
95°	7	8	9	9	9	8
105°	20	27	24	26	24	21
115°	29	47	48	41	40	29
125°	38	53	65	67	66	34
135°	44	50	65	81	80	34
145°	50	52	62	71	72	31
155°	52	54	57	61	61	24
165°	54	54	57	58	57	15
175°	55	55	55	55	53	5
180°	54	54	54	54	54	



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CATALOG NUMBER: J2-WL-20L82765-1D-UNV-W2A-DLED-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	656.1	656.1	656.1	656.1	656.1
2.5°	660.3	653.0	656.1	654.0	649.9
5°	657.2	649.9	653.0	650.9	649.9
7.5°	650.9	644.7	647.8	645.8	644.7
10°	643.7	637.5	640.6	637.5	636.5
12.5°	636.5	629.2	632.3	628.2	628.2
15°	625.1	618.9	622.0	618.9	617.8
17.5°	612.7	606.4	608.5	605.4	604.4
20°	598.2	592.0	594.0	589.9	587.8
22.5°	582.6	577.5	579.5	572.3	571.3
25°	566.1	560.9	561.9	554.7	553.7
27.5°	549.5	542.3	544.4	536.1	534.0
30°	529.9	523.7	524.7	516.4	514.3
32.5°	508.1	504.0	504.0	495.7	494.7
35°	487.4	483.3	482.3	474.0	471.9
37.5°	466.7	461.6	460.5	451.2	451.2
40°	444.0	439.8	437.8	430.5	429.5
42.5°	422.2	417.1	415.0	407.7	407.7
45°	399.5	395.3	391.2	386.0	385.0
47.5°	375.7	371.5	369.5	363.2	362.2
50°	351.9	348.8	345.7	340.5	339.4
52.5°	327.0	325.0	322.9	317.7	314.6
55°	304.3	301.2	300.1	293.9	291.8
57.5°	279.4	276.3	275.3	268.0	264.9
60°	252.5	249.4	248.4	242.2	241.1
62.5°	228.7	225.6	223.5	219.4	217.3
65°	203.9	201.8	198.7	194.6	192.5
67.5°	179.0	177.0	173.9	170.8	168.7
70°	154.2	152.1	150.1	145.9	144.9
72.5°	129.4	127.3	125.2	123.2	123.2
75°	105.6	104.5	103.5	100.4	100.4
77.5°	81.8	80.7	79.7	78.7	78.7
80°	60.0	60.0	59.0	58.0	58.0
82.5°	40.4	40.4	40.4	39.3	39.3
85°	22.8	23.8	23.8	22.8	22.8
87.5°	9.3	9.3	9.3	9.3	9.3
90°	2.1	4.1	4.1	4.1	4.1
92.5°	4.1	5.2	6.2	7.2	6.2
95°	7.2	8.3	9.3	9.3	9.3
97.5°	11.4	12.4	12.4	12.4	12.4
100°	14.5	16.6	15.5	16.6	15.5
102.5°	17.6	21.7	21.7	19.7	19.7
105°	19.7	26.9	23.8	25.9	23.8
107.5°	21.7	33.1	27.9	29.0	30.0
110°	24.8	37.3	34.2	31.0	32.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.9	45.5	40.4	36.2	35.2
115°	29.0	46.6	47.6	41.4	40.4
117.5°	32.1	46.6	53.8	48.6	46.6
120°	34.2	49.7	59.0	54.8	52.8
122.5°	36.2	51.7	62.1	62.1	60.0
125°	38.3	52.8	65.2	67.3	66.2
127.5°	39.3	49.7	70.4	73.5	72.4
130°	41.4	47.6	69.3	74.5	77.6
132.5°	43.5	48.6	67.3	75.5	77.6
135°	44.5	49.7	65.2	80.7	79.7
137.5°	45.5	50.7	66.2	77.6	82.8
140°	47.6	50.7	67.3	73.5	79.7
142.5°	48.6	51.7	67.3	70.4	74.5
145°	49.7	51.7	62.1	71.4	72.4
147.5°	49.7	52.8	58.0	72.4	72.4
150°	50.7	52.8	58.0	72.4	72.4
152.5°	51.7	53.8	56.9	63.1	71.4
155°	51.7	53.8	56.9	61.1	61.1
157.5°	52.8	53.8	56.9	60.0	60.0
160°	52.8	53.8	56.9	59.0	58.0
162.5°	53.8	53.8	55.9	58.0	56.9
165°	53.8	53.8	56.9	58.0	56.9
167.5°	53.8	54.8	55.9	56.9	55.9
170°	54.8	54.8	55.9	55.9	54.8
172.5°	54.8	54.8	55.9	54.8	53.8
175°	54.8	54.8	54.8	54.8	52.8
177.5°	54.8	53.8	54.8	53.8	51.7
180°	53.8	53.8	53.8	53.8	53.8

(END OF REPORT)