

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: P274854

Luminaire Tested: **J2-WL-20L82765-1D-UNV-W2A-DLED-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274854
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-20L82765-1D-UNV-W2A-DLED-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1965.7 lumens
Efficiency: N/A
Efficacy: 111.1 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

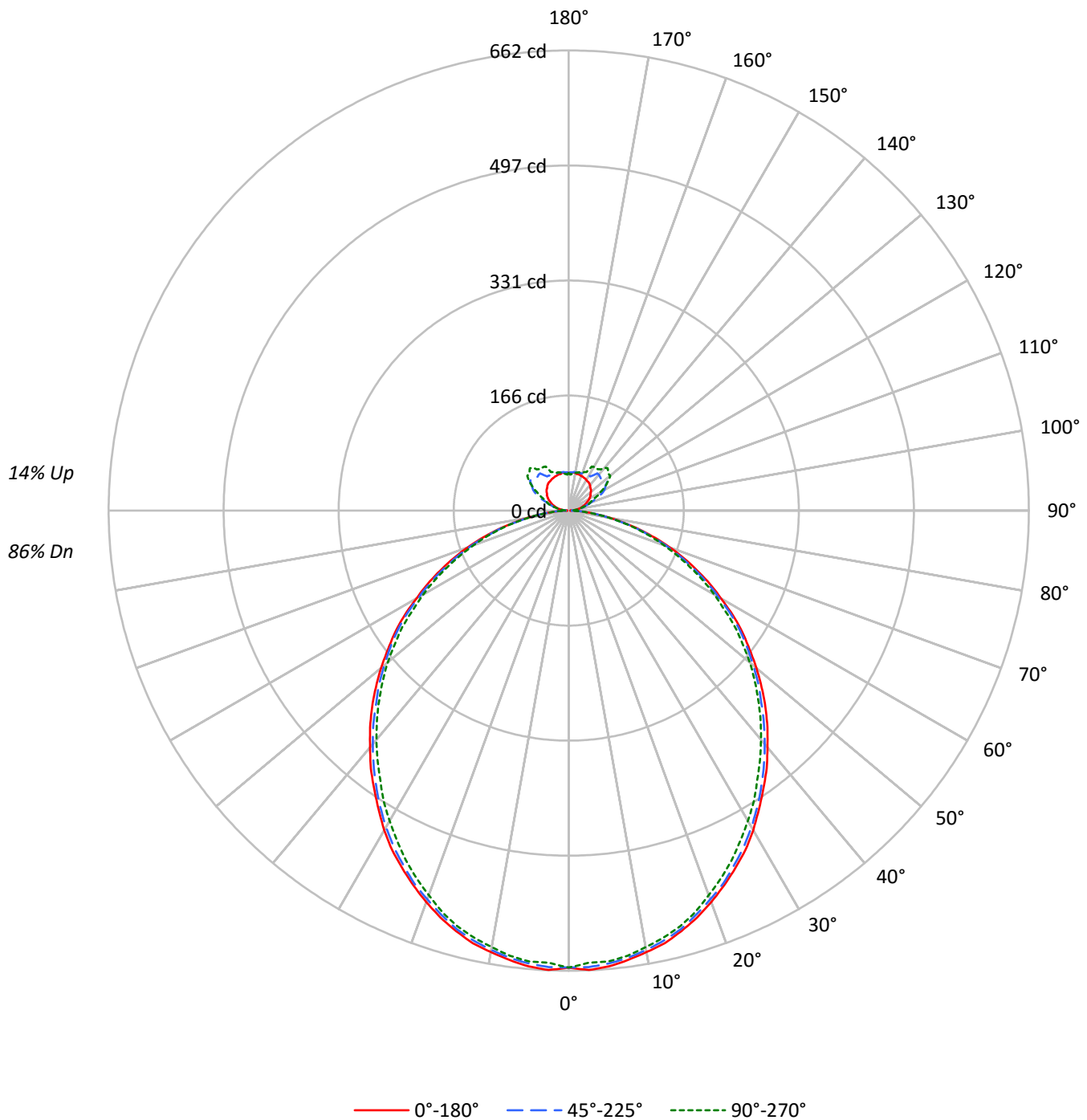
Input Watts (W): 17.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5307	5307	5307
5°	5336	5302	5277
10°	5287	5261	5228
15°	5234	5209	5173
20°	5149	5113	5059
25°	5052	5015	4941
30°	4949	4900	4804
35°	4813	4762	4660
40°	4688	4622	4535
45°	4569	4474	4403
50°	4427	4349	4271
55°	4290	4232	4115
60°	4085	4017	3901
65°	3903	3803	3685
70°	3647	3548	3427
75°	3300	3235	3138
80°	2794	2748	2701
85°	2112	2205	2112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	3.2
10°-20°	175.0	8.9
20°-30°	258.0	13.1
30°-40°	300.8	15.3
40°-50°	302.4	15.4
50°-60°	266.3	13.5
60°-70°	196.6	10.0
70°-80°	108.9	5.5
80°-90°	28.3	1.4
90°-100°	10.1	0.5
100°-110°	26.0	1.3
110°-120°	42.2	2.1
120°-130°	52.7	2.7
130°-140°	49.5	2.5
140°-150°	39.0	2.0
150°-160°	26.9	1.4
160°-170°	15.9	0.8
170°-180°	5.2	0.3
0°-30°	494.9	25.2
0°-40°	795.7	40.5
0°-60°	1364.4	69.4
0°-90°	1698.2	86.4
90°-120°	78.2	4.0
90°-150°	219.5	11.2
90°-180°	267.0	13.6
0°-180°	1965.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	657	657	657	657	657	
5°	658	651	654	652	651	62
15°	626	620	623	620	619	176
25°	567	562	563	556	555	261
35°	488	484	483	475	473	306
45°	400	396	392	387	386	308
55°	305	302	301	294	292	272
65°	204	202	199	195	193	202
75°	106	105	104	101	101	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	42	40	29
125°	38	53	65	67	66	34
135°	45	50	65	81	80	34
145°	50	52	62	72	73	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	657.4	657.4	657.4	657.4	657.4
2.5°	661.5	654.3	657.4	655.3	651.2
5°	658.4	651.2	654.3	652.2	651.2
7.5°	652.2	646.0	649.1	647.0	646.0
10°	644.9	638.7	641.8	638.7	637.7
12.5°	637.7	630.4	633.5	629.4	629.4
15°	626.3	620.0	623.2	620.0	619.0
17.5°	613.8	607.6	609.7	606.6	605.5
20°	599.3	593.1	595.2	591.0	588.9
22.5°	583.8	578.6	580.6	573.4	572.4
25°	567.2	562.0	563.0	555.8	554.7
27.5°	550.6	543.3	545.4	537.1	535.0
30°	530.9	524.7	525.7	517.4	515.3
32.5°	509.1	505.0	505.0	496.7	495.6
35°	488.4	484.2	483.2	474.9	472.8
37.5°	467.6	462.4	461.4	452.1	452.1
40°	444.8	440.7	438.6	431.3	430.3
42.5°	423.0	417.9	415.8	408.5	408.5
45°	400.2	396.1	391.9	386.8	385.7
47.5°	376.4	372.2	370.2	363.9	362.9
50°	352.5	349.4	346.3	341.1	340.1
52.5°	327.7	325.6	323.5	318.3	315.2
55°	304.8	301.7	300.7	294.5	292.4
57.5°	280.0	276.8	275.8	268.5	265.4
60°	253.0	249.9	248.8	242.6	241.6
62.5°	229.1	226.0	224.0	219.8	217.7
65°	204.3	202.2	199.1	194.9	192.9
67.5°	179.4	177.3	174.2	171.1	169.0
70°	154.5	152.4	150.3	146.2	145.2
72.5°	129.6	127.5	125.5	123.4	123.4
75°	105.8	104.7	103.7	100.6	100.6
77.5°	81.9	80.9	79.8	78.8	78.8
80°	60.1	60.1	59.1	58.1	58.1
82.5°	40.4	40.4	40.4	39.4	39.4
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	7.3	6.2
95°	7.3	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	15.6	16.6	15.6
102.5°	17.6	21.8	21.8	19.7	19.7
105°	19.7	27.0	23.8	25.9	23.8
107.5°	21.8	33.2	28.0	29.0	30.1
110°	24.9	37.3	34.2	31.1	32.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	27.0	45.6	40.4	36.3	35.3
115°	29.0	46.7	47.7	41.5	40.4
117.5°	32.1	46.7	53.9	48.7	46.7
120°	34.2	49.8	59.1	55.0	52.9
122.5°	36.3	51.8	62.2	62.2	60.1
125°	38.4	52.9	65.3	67.4	66.4
127.5°	39.4	49.8	70.5	73.6	72.6
130°	41.5	47.7	69.5	74.7	77.8
132.5°	43.5	48.7	67.4	75.7	77.8
135°	44.6	49.8	65.3	80.9	79.8
137.5°	45.6	50.8	66.4	77.8	82.9
140°	47.7	50.8	67.4	73.6	79.8
142.5°	48.7	51.8	67.4	70.5	74.7
145°	49.8	51.8	62.2	71.5	72.6
147.5°	49.8	52.9	58.1	72.6	72.6
150°	50.8	52.9	58.1	72.6	72.6
152.5°	51.8	53.9	57.0	63.2	71.5
155°	51.8	53.9	57.0	61.2	61.2
157.5°	52.9	53.9	57.0	60.1	60.1
160°	52.9	53.9	57.0	59.1	58.1
162.5°	53.9	53.9	56.0	58.1	57.0
165°	53.9	53.9	57.0	58.1	57.0
167.5°	53.9	55.0	56.0	57.0	56.0
170°	55.0	55.0	56.0	56.0	55.0
172.5°	55.0	55.0	56.0	55.0	53.9
175°	55.0	55.0	55.0	55.0	52.9
177.5°	55.0	53.9	55.0	53.9	51.8
180°	53.9	53.9	53.9	53.9	53.9

(END OF REPORT)