

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: P274864

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274864
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-20L92765-1D-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: 1533.1 lumens
Efficiency: N/A
Efficacy: 91.3 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

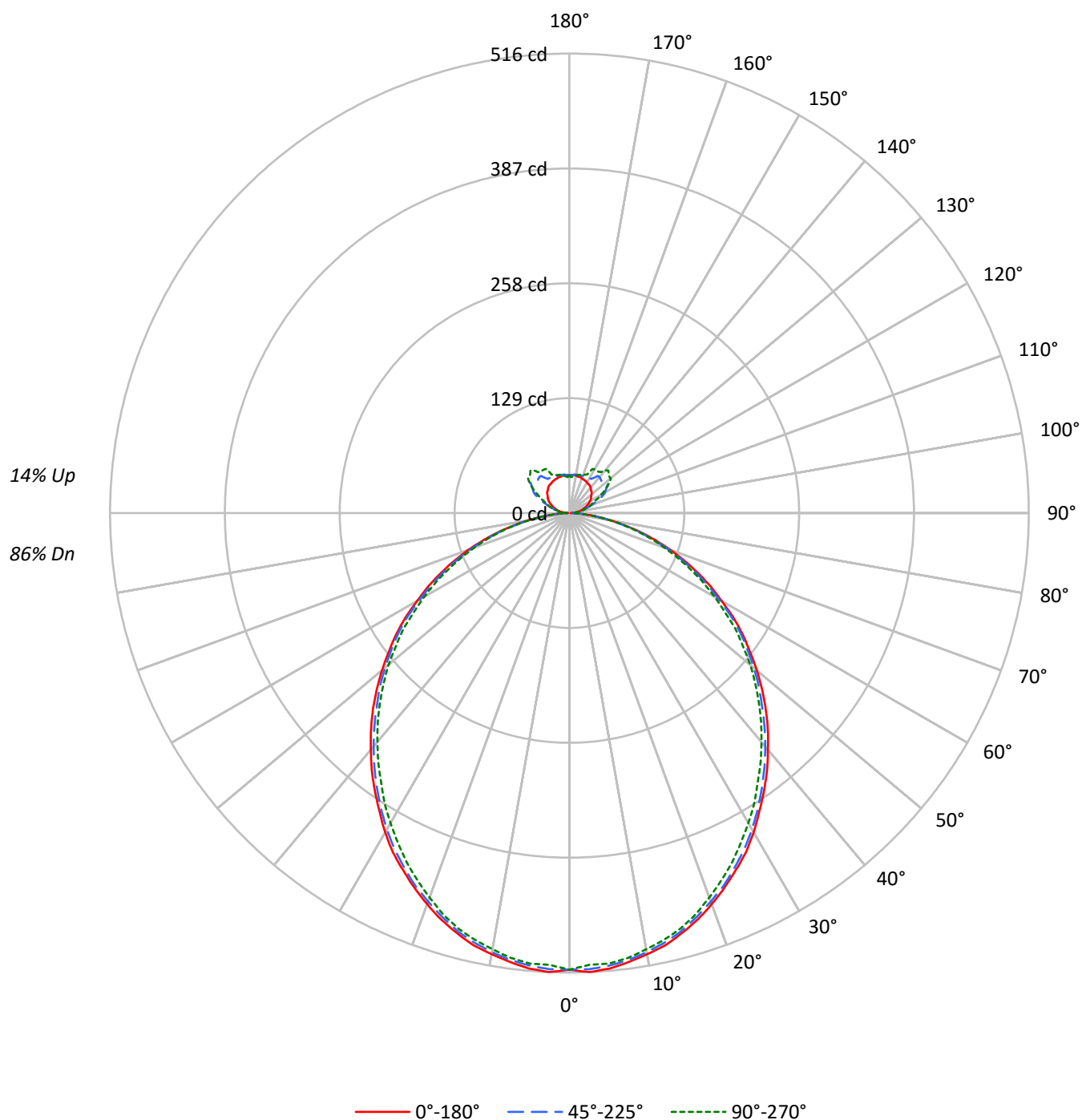
Input Watts (W): 16.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4139	4139	4139
5°	4161	4135	4115
10°	4123	4104	4077
15°	4082	4062	4035
20°	4015	3988	3946
25°	3940	3911	3853
30°	3859	3822	3746
35°	3754	3713	3634
40°	3656	3605	3537
45°	3563	3490	3434
50°	3453	3392	3331
55°	3346	3301	3209
60°	3186	3134	3042
65°	3043	2967	2873
70°	2844	2769	2672
75°	2573	2523	2445
80°	2180	2143	2106
85°	1649	1723	1649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	3.2
10°-20°	136.5	8.9
20°-30°	201.2	13.1
30°-40°	234.6	15.3
40°-50°	235.8	15.4
50°-60°	207.7	13.5
60°-70°	153.3	10.0
70°-80°	84.9	5.5
80°-90°	22.1	1.4
90°-100°	7.9	0.5
100°-110°	20.3	1.3
110°-120°	32.9	2.1
120°-130°	41.1	2.7
130°-140°	38.6	2.5
140°-150°	30.4	2.0
150°-160°	21.0	1.4
160°-170°	12.4	0.8
170°-180°	4.1	0.3
0°-30°	386.0	25.2
0°-40°	620.6	40.5
0°-60°	1064.1	69.4
0°-90°	1324.4	86.4
90°-120°	61.0	4.0
90°-150°	171.2	11.2
90°-180°	209.0	13.6
0°-180°	1533.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	513	513	513	513	513	
5°	514	508	510	509	508	49
15°	488	484	486	484	483	138
25°	442	438	439	433	433	204
35°	381	378	377	370	369	238
45°	312	309	306	302	301	241
55°	238	235	234	230	228	212
65°	159	158	155	152	150	158
75°	82	82	81	78	78	87
85°	18	19	19	18	18	21
90°	2	3	3	3	3	2
95°	6	6	7	7	7	6
105°	15	21	19	20	19	16
115°	23	36	37	32	32	23
125°	30	41	51	53	52	27
135°	35	39	51	63	62	27
145°	39	40	48	56	57	24
155°	40	42	44	48	48	19
165°	42	42	44	45	44	12
175°	43	43	43	43	41	4
180°	42	42	42	42	42	



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CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	512.7	512.7	512.7	512.7	512.7
2.5°	515.9	510.3	512.7	511.1	507.8
5°	513.5	507.8	510.3	508.6	507.8
7.5°	508.6	503.8	506.2	504.6	503.8
10°	503.0	498.1	500.6	498.1	497.3
12.5°	497.3	491.7	494.1	490.9	490.9
15°	488.4	483.6	486.0	483.6	482.8
17.5°	478.7	473.9	475.5	473.1	472.3
20°	467.4	462.6	464.2	460.9	459.3
22.5°	455.3	451.2	452.8	447.2	446.4
25°	442.3	438.3	439.1	433.4	432.6
27.5°	429.4	423.7	425.4	418.9	417.3
30°	414.0	409.2	410.0	403.5	401.9
32.5°	397.1	393.8	393.8	387.3	386.5
35°	380.9	377.6	376.8	370.4	368.7
37.5°	364.7	360.7	359.9	352.6	352.6
40°	346.9	343.7	342.1	336.4	335.6
42.5°	329.9	325.9	324.3	318.6	318.6
45°	312.1	308.9	305.7	301.6	300.8
47.5°	293.5	290.3	288.7	283.8	283.0
50°	274.9	272.5	270.1	266.0	265.2
52.5°	255.5	253.9	252.3	248.3	245.8
55°	237.7	235.3	234.5	229.7	228.0
57.5°	218.3	215.9	215.1	209.4	207.0
60°	197.3	194.9	194.1	189.2	188.4
62.5°	178.7	176.3	174.7	171.4	169.8
65°	159.3	157.7	155.3	152.0	150.4
67.5°	139.9	138.3	135.9	133.4	131.8
70°	120.5	118.9	117.3	114.0	113.2
72.5°	101.1	99.5	97.8	96.2	96.2
75°	82.5	81.7	80.9	78.4	78.4
77.5°	63.9	63.1	62.3	61.5	61.5
80°	46.9	46.9	46.1	45.3	45.3
82.5°	31.5	31.5	31.5	30.7	30.7
85°	17.8	18.6	18.6	17.8	17.8
87.5°	7.3	7.3	7.3	7.3	7.3
90°	1.6	3.2	3.2	3.2	3.2
92.5°	3.2	4.0	4.9	5.7	4.9
95°	5.7	6.5	7.3	7.3	7.3
97.5°	8.9	9.7	9.7	9.7	9.7
100°	11.3	12.9	12.1	12.9	12.1
102.5°	13.7	17.0	17.0	15.4	15.4
105°	15.4	21.0	18.6	20.2	18.6
107.5°	17.0	25.9	21.8	22.6	23.5
110°	19.4	29.1	26.7	24.3	25.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.0	35.6	31.5	28.3	27.5
115°	22.6	36.4	37.2	32.3	31.5
117.5°	25.1	36.4	42.1	38.0	36.4
120°	26.7	38.8	46.1	42.9	41.2
122.5°	28.3	40.4	48.5	48.5	46.9
125°	29.9	41.2	50.9	52.6	51.8
127.5°	30.7	38.8	55.0	57.4	56.6
130°	32.3	37.2	54.2	58.2	60.6
132.5°	34.0	38.0	52.6	59.0	60.6
135°	34.8	38.8	50.9	63.1	62.3
137.5°	35.6	39.6	51.8	60.6	64.7
140°	37.2	39.6	52.6	57.4	62.3
142.5°	38.0	40.4	52.6	55.0	58.2
145°	38.8	40.4	48.5	55.8	56.6
147.5°	38.8	41.2	45.3	56.6	56.6
150°	39.6	41.2	45.3	56.6	56.6
152.5°	40.4	42.1	44.5	49.3	55.8
155°	40.4	42.1	44.5	47.7	47.7
157.5°	41.2	42.1	44.5	46.9	46.9
160°	41.2	42.1	44.5	46.1	45.3
162.5°	42.1	42.1	43.7	45.3	44.5
165°	42.1	42.1	44.5	45.3	44.5
167.5°	42.1	42.9	43.7	44.5	43.7
170°	42.9	42.9	43.7	43.7	42.9
172.5°	42.9	42.9	43.7	42.9	42.1
175°	42.9	42.9	42.9	42.9	41.2
177.5°	42.9	42.1	42.9	42.1	40.4
180°	42.1	42.1	42.1	42.1	42.1

(END OF REPORT)