

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: P274869

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274869
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-20L92765-1D-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, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1773.8 lumens
Efficiency: N/A
Efficacy: 101.4 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

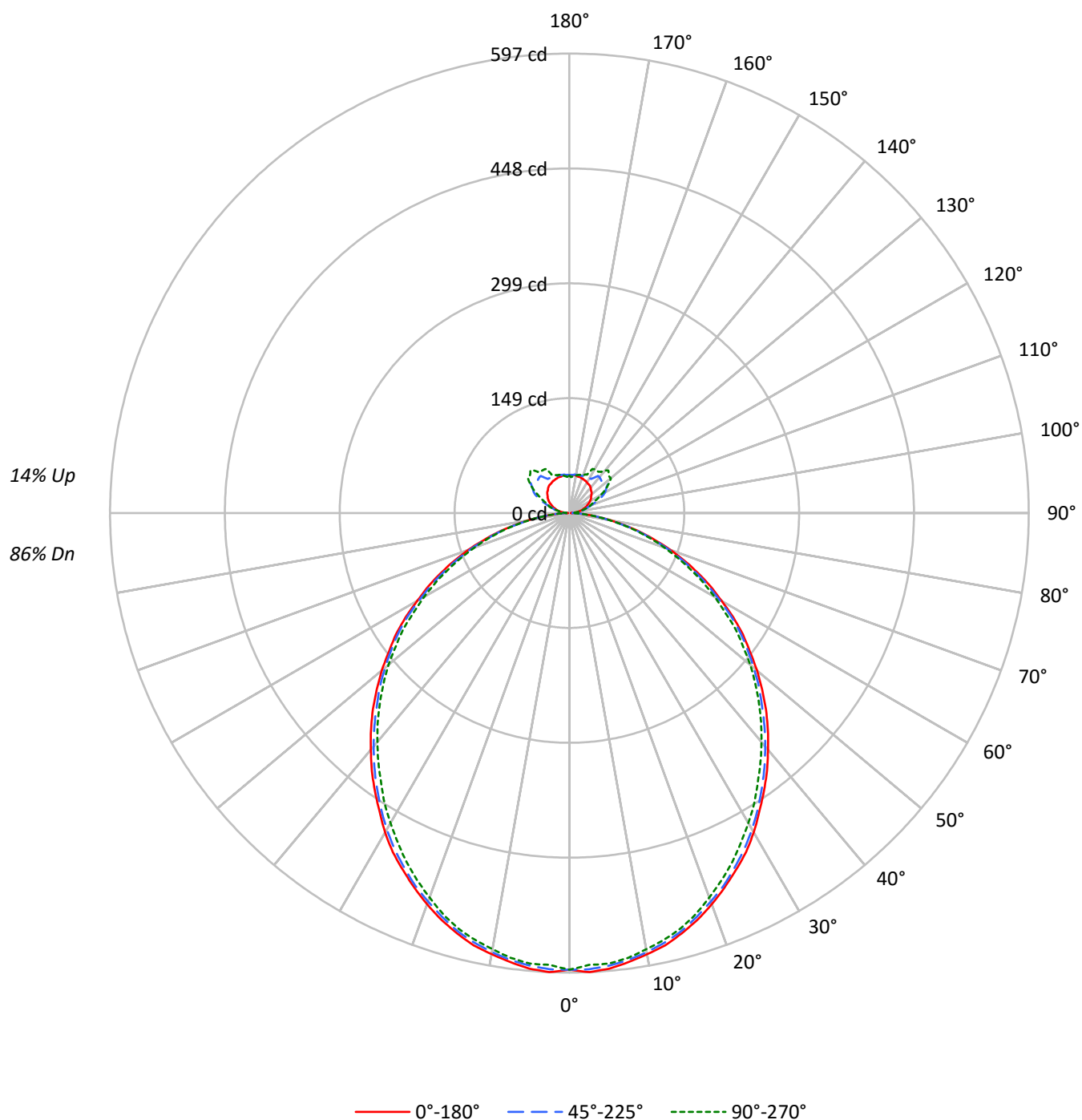
Input Watts (W): 17.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274869

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (5700K)

Luminous Intensity Polar Plot





TEST NUMBER: P274869

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (5700K)

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°	4789	4789	4789
5°	4814	4784	4762
10°	4771	4748	4717
15°	4723	4700	4669
20°	4646	4614	4566
25°	4559	4526	4459
30°	4466	4422	4335
35°	4343	4297	4205
40°	4230	4171	4092
45°	4124	4038	3974
50°	3995	3925	3854
55°	3872	3818	3714
60°	3686	3626	3520
65°	3521	3431	3324
70°	3290	3203	3092
75°	2976	2920	2832
80°	2524	2478	2436
85°	1908	1991	1908



TEST NUMBER: P274869

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	3.2
10°-20°	157.9	8.9
20°-30°	232.9	13.1
30°-40°	271.4	15.3
40°-50°	272.9	15.4
50°-60°	240.3	13.5
60°-70°	177.4	10.0
70°-80°	98.3	5.5
80°-90°	25.6	1.4
90°-100°	9.1	0.5
100°-110°	23.4	1.3
110°-120°	38.1	2.1
120°-130°	47.5	2.7
130°-140°	44.7	2.5
140°-150°	35.2	2.0
150°-160°	24.3	1.4
160°-170°	14.3	0.8
170°-180°	4.7	0.3
0°-30°	446.6	25.2
0°-40°	718.0	40.5
0°-60°	1231.2	69.4
0°-90°	1532.4	86.4
90°-120°	70.6	4.0
90°-150°	198.0	11.2
90°-180°	241.0	13.6
0°-180°	1773.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	593	593	593	593	593	
5°	594	588	590	588	588	56
15°	565	560	562	560	559	159
25°	512	507	508	502	501	236
35°	441	437	436	428	427	276
45°	361	357	354	349	348	278
55°	275	272	271	266	264	245
65°	184	182	180	176	174	182
75°	95	94	94	91	91	101
85°	21	22	22	21	21	24
90°	2	4	4	4	4	2
95°	6	8	8	8	8	7
105°	18	24	22	23	22	19
115°	26	42	43	37	36	26
125°	35	48	59	61	60	31
135°	40	45	59	73	72	31
145°	45	47	56	65	66	28
155°	47	49	52	55	55	22
165°	49	49	52	52	52	14
175°	50	50	50	50	48	5
180°	49	49	49	49	49	



TEST NUMBER: P274869

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	593.2	593.2	593.2	593.2	593.2
2.5°	597.0	590.4	593.2	591.3	587.6
5°	594.1	587.6	590.4	588.5	587.6
7.5°	588.5	582.9	585.7	583.9	582.9
10°	582.0	576.4	579.2	576.4	575.4
12.5°	575.4	568.9	571.7	567.9	567.9
15°	565.1	559.5	562.3	559.5	558.6
17.5°	553.9	548.3	550.2	547.4	546.4
20°	540.8	535.2	537.1	533.3	531.5
22.5°	526.8	522.1	524.0	517.4	516.5
25°	511.8	507.1	508.1	501.5	500.6
27.5°	496.8	490.3	492.2	484.7	482.8
30°	479.1	473.4	474.4	466.9	465.0
32.5°	459.4	455.7	455.7	448.2	447.2
35°	440.7	437.0	436.0	428.5	426.7
37.5°	422.0	417.3	416.4	407.9	407.9
40°	401.4	397.7	395.8	389.2	388.3
42.5°	381.8	377.1	375.2	368.7	368.7
45°	361.2	357.4	353.7	349.0	348.1
47.5°	339.6	335.9	334.0	328.4	327.5
50°	318.1	315.3	312.5	307.8	306.9
52.5°	295.7	293.8	291.9	287.2	284.4
55°	275.1	272.3	271.3	265.7	263.9
57.5°	252.6	249.8	248.9	242.3	239.5
60°	228.3	225.5	224.6	218.9	218.0
62.5°	206.8	204.0	202.1	198.4	196.5
65°	184.3	182.5	179.6	175.9	174.0
67.5°	161.9	160.0	157.2	154.4	152.5
70°	139.4	137.5	135.7	131.9	131.0
72.5°	117.0	115.1	113.2	111.3	111.3
75°	95.4	94.5	93.6	90.8	90.8
77.5°	73.9	73.0	72.0	71.1	71.1
80°	54.3	54.3	53.3	52.4	52.4
82.5°	36.5	36.5	36.5	35.6	35.6
85°	20.6	21.5	21.5	20.6	20.6
87.5°	8.4	8.4	8.4	8.4	8.4
90°	1.9	3.7	3.7	3.7	3.7
92.5°	3.7	4.7	5.6	6.5	5.6
95°	6.5	7.5	8.4	8.4	8.4
97.5°	10.3	11.2	11.2	11.2	11.2
100°	13.1	15.0	14.0	15.0	14.0
102.5°	15.9	19.6	19.6	17.8	17.8
105°	17.8	24.3	21.5	23.4	21.5
107.5°	19.6	29.9	25.3	26.2	27.1
110°	22.5	33.7	30.9	28.1	29.0



TEST NUMBER: P274869

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.3	41.2	36.5	32.7	31.8
115°	26.2	42.1	43.0	37.4	36.5
117.5°	29.0	42.1	48.7	44.0	42.1
120°	30.9	44.9	53.3	49.6	47.7
122.5°	32.7	46.8	56.1	56.1	54.3
125°	34.6	47.7	58.9	60.8	59.9
127.5°	35.6	44.9	63.6	66.4	65.5
130°	37.4	43.0	62.7	67.4	70.2
132.5°	39.3	44.0	60.8	68.3	70.2
135°	40.2	44.9	58.9	73.0	72.0
137.5°	41.2	45.8	59.9	70.2	74.9
140°	43.0	45.8	60.8	66.4	72.0
142.5°	44.0	46.8	60.8	63.6	67.4
145°	44.9	46.8	56.1	64.6	65.5
147.5°	44.9	47.7	52.4	65.5	65.5
150°	45.8	47.7	52.4	65.5	65.5
152.5°	46.8	48.7	51.5	57.1	64.6
155°	46.8	48.7	51.5	55.2	55.2
157.5°	47.7	48.7	51.5	54.3	54.3
160°	47.7	48.7	51.5	53.3	52.4
162.5°	48.7	48.7	50.5	52.4	51.5
165°	48.7	48.7	51.5	52.4	51.5
167.5°	48.7	49.6	50.5	51.5	50.5
170°	49.6	49.6	50.5	50.5	49.6
172.5°	49.6	49.6	50.5	49.6	48.7
175°	49.6	49.6	49.6	49.6	47.7
177.5°	49.6	48.7	49.6	48.7	46.8
180°	48.7	48.7	48.7	48.7	48.7

(END OF REPORT)