

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: P274863

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274863
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1474.8 lumens
Efficiency: N/A
Efficacy: 86.8 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

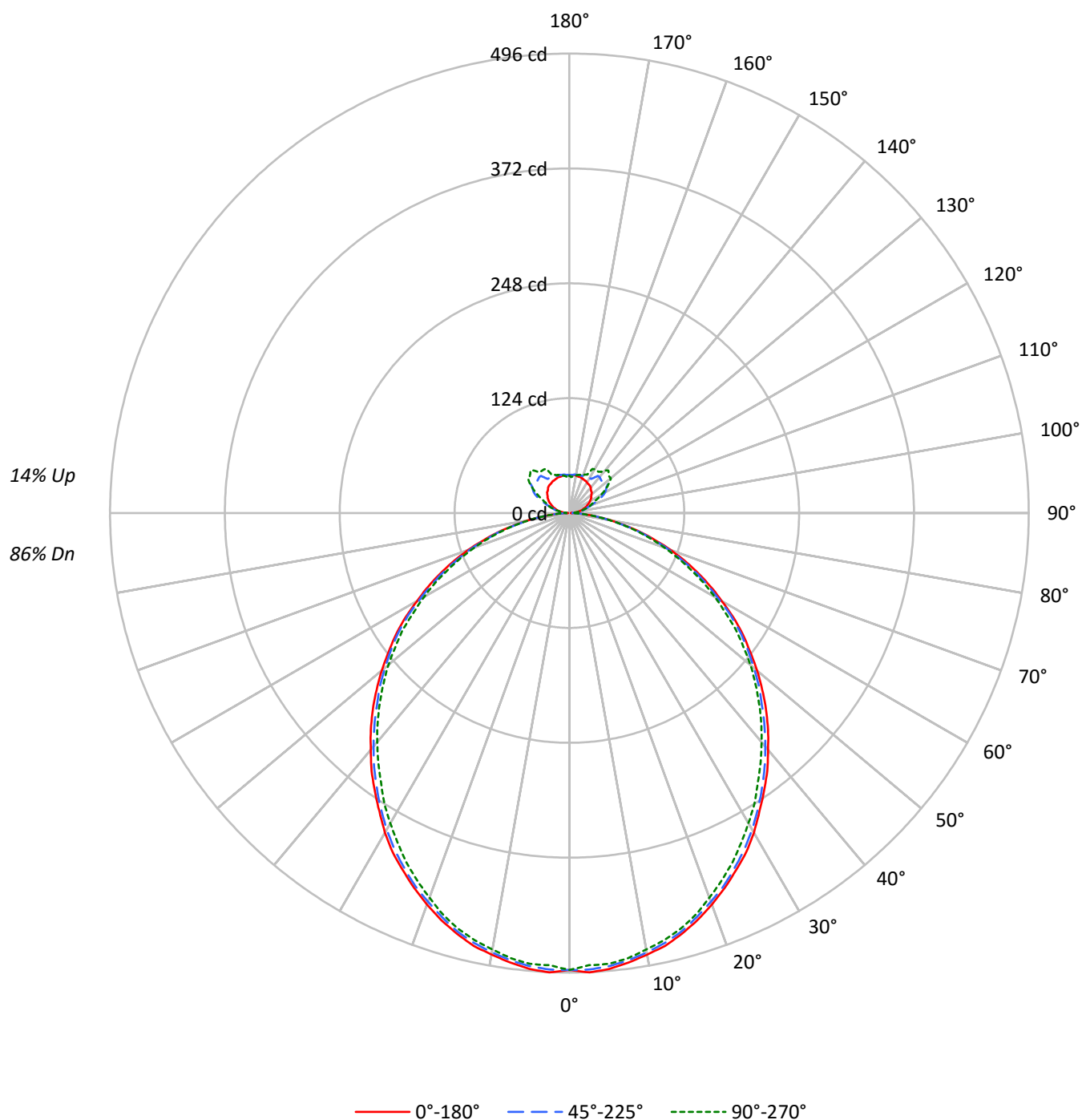
Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3982	3982	3982
5°	4003	3978	3959
10°	3967	3947	3922
15°	3927	3907	3881
20°	3863	3836	3796
25°	3790	3763	3707
30°	3713	3677	3604
35°	3611	3573	3496
40°	3517	3468	3402
45°	3428	3357	3304
50°	3322	3263	3205
55°	3219	3175	3088
60°	3064	3014	2927
65°	2926	2854	2764
70°	2736	2662	2570
75°	2473	2427	2355
80°	2097	2060	2027
85°	1584	1658	1584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	3.2
10°-20°	131.3	8.9
20°-30°	193.6	13.1
30°-40°	225.6	15.3
40°-50°	226.9	15.4
50°-60°	199.8	13.5
60°-70°	147.5	10.0
70°-80°	81.7	5.5
80°-90°	21.3	1.4
90°-100°	7.5	0.5
100°-110°	19.5	1.3
110°-120°	31.6	2.1
120°-130°	39.5	2.7
130°-140°	37.1	2.5
140°-150°	29.3	2.0
150°-160°	20.2	1.4
160°-170°	11.9	0.8
170°-180°	3.9	0.3
0°-30°	371.3	25.2
0°-40°	597.0	40.5
0°-60°	1023.6	69.4
0°-90°	1274.1	86.4
90°-120°	58.7	4.0
90°-150°	164.7	11.2
90°-180°	201.0	13.6
0°-180°	1474.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	493	493	493	493	493	
5°	494	488	491	489	488	47
15°	470	465	468	465	464	132
25°	426	422	422	417	416	196
35°	366	363	362	356	355	229
45°	300	297	294	290	289	231
55°	229	226	226	221	219	204
65°	153	152	149	146	145	152
75°	79	79	78	76	76	84
85°	17	18	18	17	17	20
90°	2	3	3	3	3	2
95°	5	6	7	7	7	6
105°	15	20	18	19	18	16
115°	22	35	36	31	30	22
125°	29	40	49	51	50	26
135°	33	37	49	61	60	26
145°	37	39	47	54	54	23
155°	39	40	43	46	46	18
165°	40	40	43	44	43	11
175°	41	41	41	41	40	4
180°	40	40	40	40	40	



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CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	493.2	493.2	493.2	493.2	493.2
2.5°	496.3	490.9	493.2	491.6	488.5
5°	494.0	488.5	490.9	489.3	488.5
7.5°	489.3	484.6	487.0	485.4	484.6
10°	483.9	479.2	481.5	479.2	478.4
12.5°	478.4	473.0	475.3	472.2	472.2
15°	469.9	465.2	467.5	465.2	464.4
17.5°	460.5	455.8	457.4	455.1	454.3
20°	449.6	445.0	446.5	443.4	441.8
22.5°	438.0	434.1	435.6	430.2	429.4
25°	425.5	421.6	422.4	417.0	416.2
27.5°	413.1	407.6	409.2	403.0	401.4
30°	398.3	393.6	394.4	388.2	386.6
32.5°	381.9	378.8	378.8	372.6	371.8
35°	366.4	363.3	362.5	356.3	354.7
37.5°	350.8	346.9	346.2	339.2	339.2
40°	333.7	330.6	329.1	323.6	322.8
42.5°	317.4	313.5	311.9	306.5	306.5
45°	300.3	297.2	294.0	290.2	289.4
47.5°	282.4	279.3	277.7	273.0	272.3
50°	264.5	262.2	259.8	255.9	255.2
52.5°	245.8	244.3	242.7	238.8	236.5
55°	228.7	226.4	225.6	220.9	219.4
57.5°	210.0	207.7	206.9	201.5	199.1
60°	189.8	187.5	186.7	182.0	181.3
62.5°	171.9	169.6	168.0	164.9	163.4
65°	153.2	151.7	149.4	146.2	144.7
67.5°	134.6	133.0	130.7	128.4	126.8
70°	115.9	114.4	112.8	109.7	108.9
72.5°	97.2	95.7	94.1	92.6	92.6
75°	79.3	78.6	77.8	75.5	75.5
77.5°	61.5	60.7	59.9	59.1	59.1
80°	45.1	45.1	44.3	43.6	43.6
82.5°	30.3	30.3	30.3	29.6	29.6
85°	17.1	17.9	17.9	17.1	17.1
87.5°	7.0	7.0	7.0	7.0	7.0
90°	1.6	3.1	3.1	3.1	3.1
92.5°	3.1	3.9	4.7	5.4	4.7
95°	5.4	6.2	7.0	7.0	7.0
97.5°	8.6	9.3	9.3	9.3	9.3
100°	10.9	12.4	11.7	12.4	11.7
102.5°	13.2	16.3	16.3	14.8	14.8
105°	14.8	20.2	17.9	19.4	17.9
107.5°	16.3	24.9	21.0	21.8	22.6
110°	18.7	28.0	25.7	23.3	24.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.2	34.2	30.3	27.2	26.4
115°	21.8	35.0	35.8	31.1	30.3
117.5°	24.1	35.0	40.5	36.6	35.0
120°	25.7	37.3	44.3	41.2	39.7
122.5°	27.2	38.9	46.7	46.7	45.1
125°	28.8	39.7	49.0	50.6	49.8
127.5°	29.6	37.3	52.9	55.2	54.5
130°	31.1	35.8	52.1	56.0	58.3
132.5°	32.7	36.6	50.6	56.8	58.3
135°	33.4	37.3	49.0	60.7	59.9
137.5°	34.2	38.1	49.8	58.3	62.2
140°	35.8	38.1	50.6	55.2	59.9
142.5°	36.6	38.9	50.6	52.9	56.0
145°	37.3	38.9	46.7	53.7	54.5
147.5°	37.3	39.7	43.6	54.5	54.5
150°	38.1	39.7	43.6	54.5	54.5
152.5°	38.9	40.5	42.8	47.5	53.7
155°	38.9	40.5	42.8	45.9	45.9
157.5°	39.7	40.5	42.8	45.1	45.1
160°	39.7	40.5	42.8	44.3	43.6
162.5°	40.5	40.5	42.0	43.6	42.8
165°	40.5	40.5	42.8	43.6	42.8
167.5°	40.5	41.2	42.0	42.8	42.0
170°	41.2	41.2	42.0	42.0	41.2
172.5°	41.2	41.2	42.0	41.2	40.5
175°	41.2	41.2	41.2	41.2	39.7
177.5°	41.2	40.5	41.2	40.5	38.9
180°	40.5	40.5	40.5	40.5	40.5

(END OF REPORT)