

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: P274900

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274900
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-30L92765-1D-UNV-W2A-DLED-W-4 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2530.4 lumens
Efficiency: N/A
Efficacy: 95.8 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

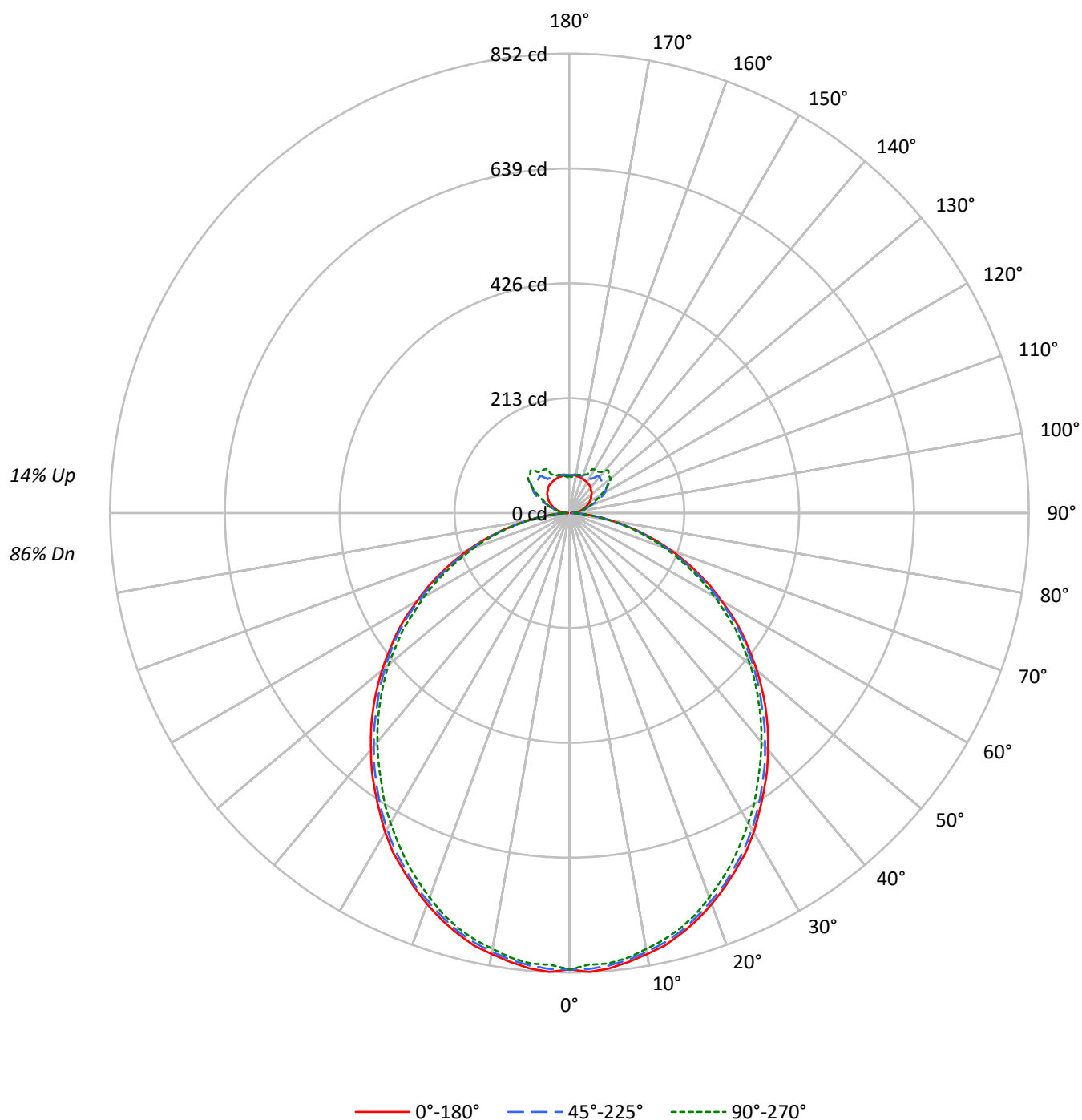
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6831	6831	6831
5°	6869	6825	6793
10°	6806	6773	6729
15°	6738	6705	6659
20°	6628	6582	6513
25°	6503	6456	6361
30°	6371	6308	6184
35°	6196	6130	5998
40°	6034	5950	5837
45°	5882	5760	5668
50°	5699	5599	5498
55°	5523	5448	5298
60°	5259	5172	5021
65°	5022	4896	4743
70°	4695	4567	4412
75°	4245	4164	4039
80°	3598	3538	3473
85°	2723	2844	2723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	3.2
10°-20°	225.2	8.9
20°-30°	332.2	13.1
30°-40°	387.2	15.3
40°-50°	389.3	15.4
50°-60°	342.8	13.5
60°-70°	253.0	10.0
70°-80°	140.2	5.5
80°-90°	36.5	1.4
90°-100°	13.0	0.5
100°-110°	33.5	1.3
110°-120°	54.3	2.1
120°-130°	67.9	2.7
130°-140°	63.7	2.5
140°-150°	50.2	2.0
150°-160°	34.6	1.4
160°-170°	20.4	0.8
170°-180°	6.7	0.3
0°-30°	637.1	25.2
0°-40°	1024.3	40.5
0°-60°	1756.3	69.4
0°-90°	2186.1	86.4
90°-120°	100.7	4.0
90°-150°	282.6	11.2
90°-180°	344.0	13.6
0°-180°	2530.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	848	838	842	840	838	80
15°	806	798	802	798	797	227
25°	730	723	725	715	714	336
35°	629	623	622	611	609	394
45°	515	510	504	498	496	397
55°	392	388	387	379	376	350
65°	263	260	256	251	248	260
75°	136	135	134	130	130	144
85°	29	31	31	29	29	34
90°	3	5	5	5	5	3
95°	9	11	12	12	12	10
105°	25	35	31	33	31	27
115°	37	60	61	53	52	38
125°	49	68	84	87	85	44
135°	57	64	84	104	103	44
145°	64	67	80	92	93	40
155°	67	69	73	79	79	31
165°	69	69	73	75	73	20
175°	71	71	71	71	68	7
180°	69	69	69	69	69	



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CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	846.2	846.2	846.2	846.2	846.2
2.5°	851.6	842.2	846.2	843.6	838.2
5°	847.6	838.2	842.2	839.6	838.2
7.5°	839.6	831.5	835.6	832.9	831.5
10°	830.2	822.2	826.2	822.2	820.9
12.5°	820.9	811.5	815.5	810.2	810.2
15°	806.2	798.2	802.2	798.2	796.8
17.5°	790.2	782.2	784.8	780.8	779.5
20°	771.5	763.5	766.1	760.8	758.1
22.5°	751.5	744.8	747.5	738.1	736.8
25°	730.1	723.4	724.8	715.4	714.1
27.5°	708.8	699.4	702.1	691.4	688.7
30°	683.4	675.4	676.7	666.0	663.4
32.5°	655.4	650.0	650.0	639.3	638.0
35°	628.7	623.3	622.0	611.3	608.6
37.5°	602.0	595.3	594.0	581.9	581.9
40°	572.6	567.3	564.6	555.3	553.9
42.5°	544.6	537.9	535.2	525.9	525.9
45°	515.2	509.9	504.5	497.9	496.5
47.5°	484.5	479.2	476.5	468.5	467.2
50°	453.8	449.8	445.8	439.1	437.8
52.5°	421.8	419.1	416.4	409.8	405.8
55°	392.4	388.4	387.1	379.1	376.4
57.5°	360.4	356.4	355.0	345.7	341.7
60°	325.7	321.7	320.3	312.3	311.0
62.5°	295.0	291.0	288.3	283.0	280.3
65°	262.9	260.3	256.3	250.9	248.3
67.5°	230.9	228.2	224.2	220.2	217.6
70°	198.9	196.2	193.5	188.2	186.9
72.5°	166.8	164.2	161.5	158.8	158.8
75°	136.1	134.8	133.5	129.5	129.5
77.5°	105.4	104.1	102.8	101.4	101.4
80°	77.4	77.4	76.1	74.7	74.7
82.5°	52.1	52.1	52.1	50.7	50.7
85°	29.4	30.7	30.7	29.4	29.4
87.5°	12.0	12.0	12.0	12.0	12.0
90°	2.7	5.3	5.3	5.3	5.3
92.5°	5.3	6.7	8.0	9.3	8.0
95°	9.3	10.7	12.0	12.0	12.0
97.5°	14.7	16.0	16.0	16.0	16.0
100°	18.7	21.4	20.0	21.4	20.0
102.5°	22.7	28.0	28.0	25.4	25.4
105°	25.4	34.7	30.7	33.4	30.7
107.5°	28.0	42.7	36.0	37.4	38.7
110°	32.0	48.1	44.0	40.0	41.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	34.7	58.7	52.1	46.7	45.4
115°	37.4	60.1	61.4	53.4	52.1
117.5°	41.4	60.1	69.4	62.7	60.1
120°	44.0	64.1	76.1	70.7	68.1
122.5°	46.7	66.7	80.1	80.1	77.4
125°	49.4	68.1	84.1	86.8	85.4
127.5°	50.7	64.1	90.8	94.8	93.4
130°	53.4	61.4	89.4	96.1	100.1
132.5°	56.1	62.7	86.8	97.4	100.1
135°	57.4	64.1	84.1	104.1	102.8
137.5°	58.7	65.4	85.4	100.1	106.8
140°	61.4	65.4	86.8	94.8	102.8
142.5°	62.7	66.7	86.8	90.8	96.1
145°	64.1	66.7	80.1	92.1	93.4
147.5°	64.1	68.1	74.7	93.4	93.4
150°	65.4	68.1	74.7	93.4	93.4
152.5°	66.7	69.4	73.4	81.4	92.1
155°	66.7	69.4	73.4	78.8	78.8
157.5°	68.1	69.4	73.4	77.4	77.4
160°	68.1	69.4	73.4	76.1	74.7
162.5°	69.4	69.4	72.1	74.7	73.4
165°	69.4	69.4	73.4	74.7	73.4
167.5°	69.4	70.7	72.1	73.4	72.1
170°	70.7	70.7	72.1	72.1	70.7
172.5°	70.7	70.7	72.1	70.7	69.4
175°	70.7	70.7	70.7	70.7	68.1
177.5°	70.7	69.4	70.7	69.4	66.7
180°	69.4	69.4	69.4	69.4	69.4

(END OF REPORT)