

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: P253397

Luminaire Tested: **J2-WL-30L93050-1D-UNV-W2A-DLED-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253397
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-30L93050-1D-UNV-W2A-DLED-W-4 (4500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2557.8 lumens
Efficiency: N/A
Efficacy: 95.1 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

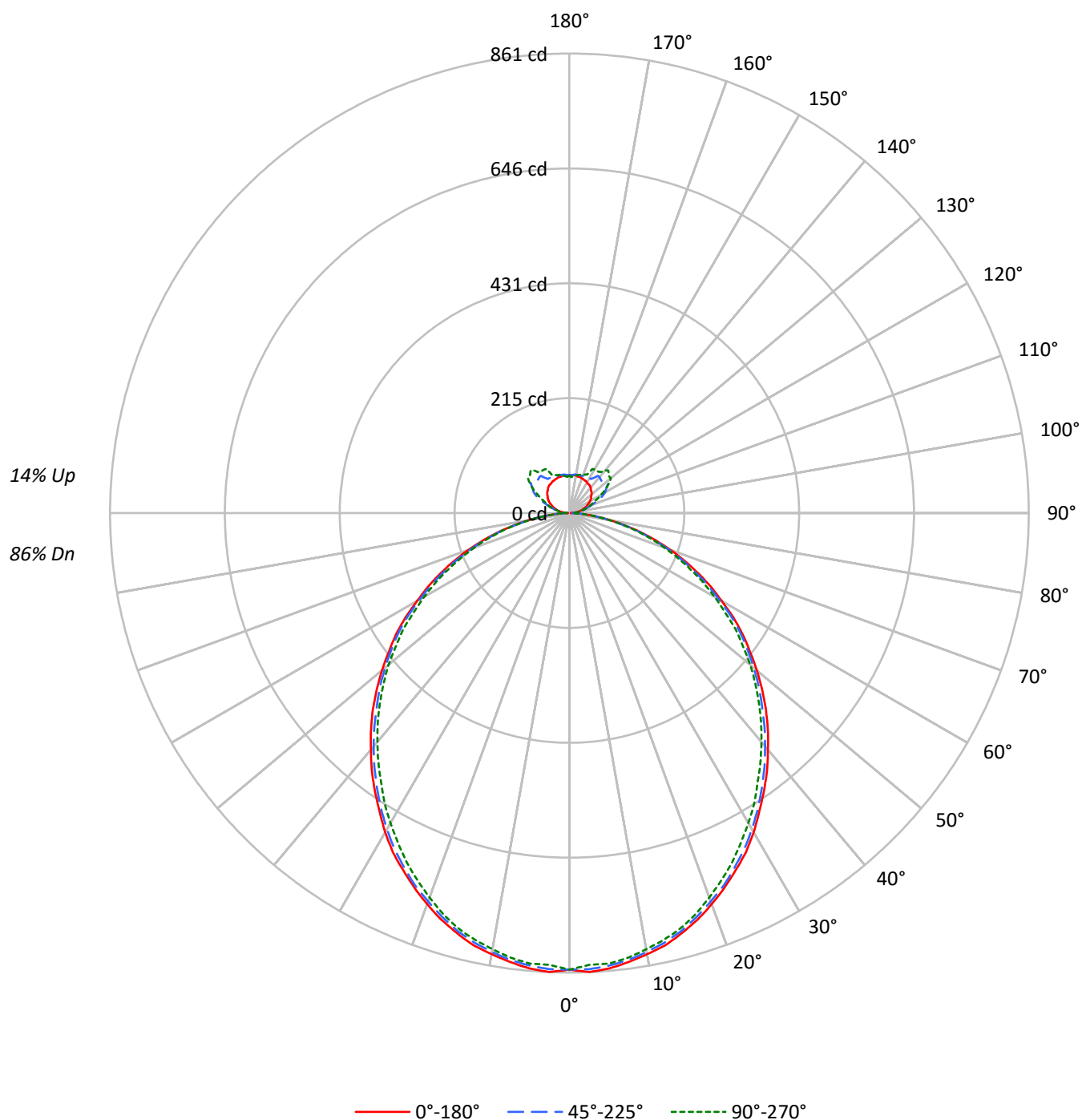
Input Watts (W): 26.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6906	6906	6906
5°	6943	6899	6866
10°	6879	6846	6801
15°	6811	6777	6732
20°	6699	6653	6583
25°	6574	6526	6429
30°	6440	6376	6250
35°	6263	6196	6063
40°	6100	6014	5900
45°	5946	5823	5730
50°	5761	5659	5557
55°	5583	5507	5355
60°	5315	5228	5076
65°	5077	4947	4793
70°	4744	4617	4459
75°	4292	4208	4083
80°	3640	3575	3515
85°	2751	2871	2751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.2
10°-20°	227.6	8.9
20°-30°	335.8	13.1
30°-40°	391.3	15.3
40°-50°	393.5	15.4
50°-60°	346.5	13.5
60°-70°	255.8	10.0
70°-80°	141.7	5.5
80°-90°	36.9	1.4
90°-100°	13.1	0.5
100°-110°	33.8	1.3
110°-120°	54.9	2.1
120°-130°	68.6	2.7
130°-140°	64.4	2.5
140°-150°	50.8	2.0
150°-160°	35.0	1.4
160°-170°	20.6	0.8
170°-180°	6.8	0.3
0°-30°	644.0	25.2
0°-40°	1035.3	40.5
0°-60°	1775.3	69.4
0°-90°	2209.7	86.4
90°-120°	101.8	4.0
90°-150°	285.6	11.2
90°-180°	348.0	13.6
0°-180°	2557.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	857	847	851	849	847	81
15°	815	807	811	807	806	230
25°	738	731	733	723	722	340
35°	636	630	629	618	615	398
45°	521	515	510	503	502	401
55°	397	393	391	383	380	354
65°	266	263	259	254	251	263
75°	138	136	135	131	131	146
85°	30	31	31	30	30	35
90°	3	5	5	5	5	3
95°	9	11	12	12	12	10
105°	26	35	31	34	31	27
115°	38	61	62	54	53	38
125°	50	69	85	88	86	44
135°	58	65	85	105	104	45
145°	65	68	81	93	94	40
155°	68	70	74	80	80	31
165°	70	70	74	76	74	20
175°	72	72	72	72	69	7
180°	70	70	70	70	70	



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CATALOG NUMBER: J2-WL-30L93050-1D-UNV-W2A-DLED-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.4	855.4	855.4	855.4	855.4
2.5°	860.8	851.3	855.4	852.7	847.3
5°	856.7	847.3	851.3	848.6	847.3
7.5°	848.6	840.5	844.6	841.9	840.5
10°	839.2	831.1	835.1	831.1	829.7
12.5°	829.7	820.3	824.3	818.9	818.9
15°	814.9	806.8	810.9	806.8	805.5
17.5°	798.7	790.6	793.3	789.3	787.9
20°	779.8	771.7	774.4	769.0	766.3
22.5°	759.6	752.8	755.5	746.1	744.7
25°	738.0	731.3	732.6	723.2	721.8
27.5°	716.4	707.0	709.7	698.9	696.2
30°	690.8	682.7	684.0	673.2	670.5
32.5°	662.4	657.0	657.0	646.3	644.9
35°	635.5	630.1	628.7	617.9	615.2
37.5°	608.5	601.7	600.4	588.2	588.2
40°	578.8	573.4	570.7	561.3	559.9
42.5°	550.5	543.7	541.0	531.6	531.6
45°	520.8	515.4	510.0	503.2	501.9
47.5°	489.7	484.4	481.7	473.6	472.2
50°	458.7	454.7	450.6	443.9	442.5
52.5°	426.3	423.6	420.9	414.2	410.1
55°	396.7	392.6	391.3	383.2	380.5
57.5°	364.3	360.2	358.9	349.4	345.4
60°	329.2	325.2	323.8	315.7	314.4
62.5°	298.2	294.1	291.4	286.0	283.3
65°	265.8	263.1	259.0	253.6	250.9
67.5°	233.4	230.7	226.7	222.6	219.9
70°	201.0	198.3	195.6	190.2	188.9
72.5°	168.6	165.9	163.2	160.6	160.6
75°	137.6	136.3	134.9	130.9	130.9
77.5°	106.6	105.2	103.9	102.5	102.5
80°	78.3	78.3	76.9	75.6	75.6
82.5°	52.6	52.6	52.6	51.3	51.3
85°	29.7	31.0	31.0	29.7	29.7
87.5°	12.1	12.1	12.1	12.1	12.1
90°	2.7	5.4	5.4	5.4	5.4
92.5°	5.4	6.7	8.1	9.4	8.1
95°	9.4	10.8	12.1	12.1	12.1
97.5°	14.8	16.2	16.2	16.2	16.2
100°	18.9	21.6	20.2	21.6	20.2
102.5°	22.9	28.3	28.3	25.6	25.6
105°	25.6	35.1	31.0	33.7	31.0
107.5°	28.3	43.2	36.4	37.8	39.1
110°	32.4	48.6	44.5	40.5	41.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	35.1	59.4	52.6	47.2	45.9
115°	37.8	60.7	62.1	54.0	52.6
117.5°	41.8	60.7	70.2	63.4	60.7
120°	44.5	64.8	76.9	71.5	68.8
122.5°	47.2	67.5	81.0	81.0	78.3
125°	49.9	68.8	85.0	87.7	86.3
127.5°	51.3	64.8	91.7	95.8	94.4
130°	54.0	62.1	90.4	97.1	101.2
132.5°	56.7	63.4	87.7	98.5	101.2
135°	58.0	64.8	85.0	105.2	103.9
137.5°	59.4	66.1	86.3	101.2	107.9
140°	62.1	66.1	87.7	95.8	103.9
142.5°	63.4	67.5	87.7	91.7	97.1
145°	64.8	67.5	81.0	93.1	94.4
147.5°	64.8	68.8	75.6	94.4	94.4
150°	66.1	68.8	75.6	94.4	94.4
152.5°	67.5	70.2	74.2	82.3	93.1
155°	67.5	70.2	74.2	79.6	79.6
157.5°	68.8	70.2	74.2	78.3	78.3
160°	68.8	70.2	74.2	76.9	75.6
162.5°	70.2	70.2	72.9	75.6	74.2
165°	70.2	70.2	74.2	75.6	74.2
167.5°	70.2	71.5	72.9	74.2	72.9
170°	71.5	71.5	72.9	72.9	71.5
172.5°	71.5	71.5	72.9	71.5	70.2
175°	71.5	71.5	71.5	71.5	68.8
177.5°	71.5	70.2	71.5	70.2	67.5
180°	70.2	70.2	70.2	70.2	70.2

(END OF REPORT)