

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: P253420

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-11)
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-W-4 (4500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
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: 2778.1 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

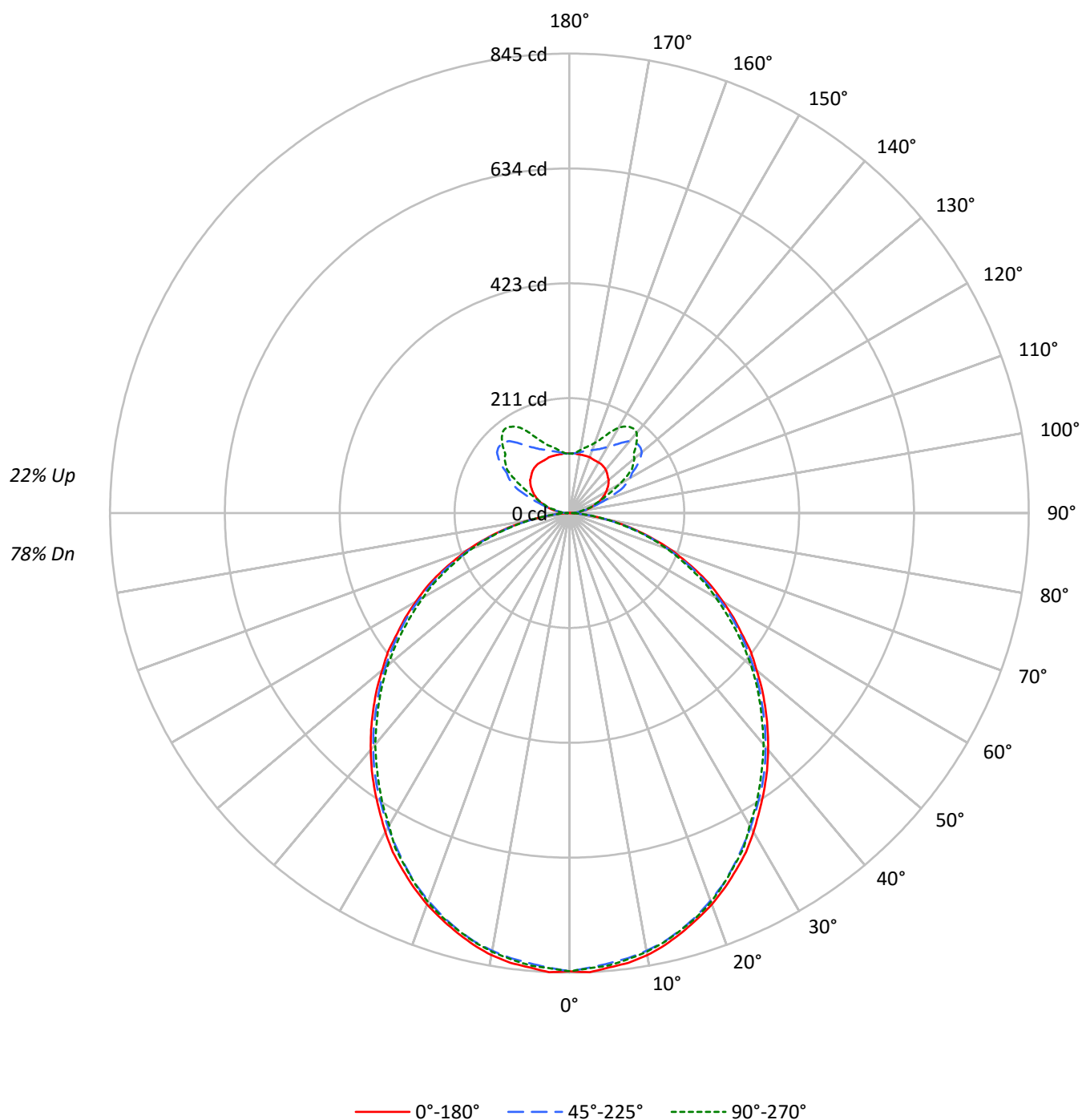
Input Watts (W): 26.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	114	114	114	114	109	109	109	109	99	99	99		90	90	90		82
1	104	100	96	92	99	95	92	89	87	84	82		80	77	75		73
2	95	87	81	75	90	83	78	73	76	72	68		70	66	63		64
3	87	77	69	63	82	73	66	61	67	62	57		62	57	53		57
4	79	68	60	53	75	65	58	52	60	54	49		55	50	46		51
5	73	61	52	46	69	58	50	45	54	47	42		50	44	40		46
6	67	55	46	40	64	53	45	39	49	42	37		45	39	35		41
7	62	50	41	35	59	48	40	34	44	38	33		41	35	31		38
8	58	45	37	31	55	44	36	31	40	34	29		38	32	28		35
9	54	41	33	28	52	40	33	28	37	31	26		35	29	25		32
10	51	38	31	25	48	37	30	25	34	28	24		32	27	23		30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6801	6801	6801
5°	6797	6736	6767
10°	6768	6699	6715
15°	6674	6628	6635
20°	6580	6515	6540
25°	6456	6372	6381
30°	6312	6217	6181
35°	6149	6075	6020
40°	5994	5915	5856
45°	5823	5727	5662
50°	5642	5560	5478
55°	5443	5377	5246
60°	5264	5157	5021
65°	5049	4925	4764
70°	4718	4563	4475
75°	4195	4049	4021
80°	3389	3301	3301
85°	2075	2251	2251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	2.9
10°-20°	224.4	8.1
20°-30°	330.9	11.9
30°-40°	386.2	13.9
40°-50°	387.9	14.0
50°-60°	341.3	12.3
60°-70°	254.3	9.2
70°-80°	139.0	5.0
80°-90°	31.6	1.1
90°-100°	16.1	0.6
100°-110°	50.9	1.8
110°-120°	95.6	3.4
120°-130°	120.4	4.3
130°-140°	118.5	4.3
140°-150°	95.8	3.4
150°-160°	61.5	2.2
160°-170°	33.6	1.2
170°-180°	10.7	0.4
0°-30°	634.6	22.8
0°-40°	1020.9	36.7
0°-60°	1750.1	63.0
0°-90°	2175.0	78.3
90°-120°	162.6	5.9
90°-150°	497.2	17.9
90°-180°	603.0	21.7
0°-180°	2778.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	842	842	842	842	842	
5°	839	837	831	838	835	80
15°	799	800	793	797	794	225
25°	725	720	715	717	716	334
35°	624	623	616	613	611	390
45°	510	509	502	496	496	394
55°	387	388	382	376	373	347
65°	264	262	258	251	249	261
75°	134	133	130	130	129	143
85°	22	23	24	25	24	29
90°	1	2	3	4	3	2
95°	15	14	14	15	16	15
105°	42	67	44	43	40	44
115°	67	134	106	80	75	66
125°	87	138	151	140	140	77
135°	99	123	178	179	173	77
145°	106	120	155	187	193	67
155°	107	117	130	148	157	50
165°	109	112	118	123	126	31
175°	110	110	110	112	111	10
180°	109	109	109	109	109	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	842.5	842.5	842.5	842.5	842.5
2.5°	845.3	840.6	836.9	841.5	837.8
5°	838.7	836.9	831.2	837.8	835.0
7.5°	834.1	831.2	825.6	831.2	827.5
10°	825.6	823.8	817.2	821.0	819.1
12.5°	813.5	813.5	807.0	810.7	807.9
15°	798.6	799.5	793.0	796.7	793.9
17.5°	782.7	783.6	777.1	780.8	778.9
20°	765.9	763.1	758.4	761.2	761.2
22.5°	746.3	742.5	738.8	738.8	739.7
25°	724.8	720.1	715.4	717.3	716.4
27.5°	703.3	697.7	691.2	694.0	694.0
30°	677.1	673.4	666.9	668.7	663.1
32.5°	650.1	648.2	641.6	640.7	637.9
35°	623.9	623.0	616.4	612.7	610.8
37.5°	596.8	596.8	590.3	586.5	582.8
40°	568.8	566.9	561.3	556.7	555.7
42.5°	539.8	538.9	532.4	526.8	524.9
45°	510.0	509.0	501.6	495.9	495.9
47.5°	481.0	478.2	472.6	466.1	467.0
50°	449.2	449.2	442.7	437.1	436.2
52.5°	421.2	418.4	411.9	408.2	404.4
55°	386.7	388.5	382.0	375.5	372.7
57.5°	357.7	357.7	352.1	344.6	340.9
60°	326.0	326.0	319.4	314.8	311.0
62.5°	297.0	295.1	288.6	283.0	282.1
65°	264.3	262.5	257.8	251.2	249.4
67.5°	230.7	229.8	224.2	220.4	219.5
70°	199.9	197.1	193.3	190.5	189.6
72.5°	167.2	164.4	162.5	159.7	159.7
75°	134.5	132.6	129.8	129.8	128.9
77.5°	103.7	101.8	101.8	99.9	98.1
80°	72.9	73.8	71.0	71.0	71.0
82.5°	45.8	46.7	44.8	44.8	44.8
85°	22.4	23.3	24.3	25.2	24.3
87.5°	6.5	8.4	10.3	11.2	10.3
90°	0.9	1.9	2.8	3.7	2.8
92.5°	7.5	8.4	10.3	11.2	11.2
95°	14.9	14.0	14.0	14.9	15.9
97.5°	21.5	22.4	17.7	18.7	18.7
100°	29.0	35.5	27.1	22.4	22.4
102.5°	35.5	51.4	35.5	30.8	28.0
105°	42.0	67.2	43.9	43.0	40.2
107.5°	48.6	82.2	56.0	45.8	45.8
110°	56.0	99.9	71.0	56.0	52.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	61.6	119.6	87.8	66.3	62.6
115°	67.2	133.6	106.5	80.3	74.7
117.5°	72.9	140.1	118.6	98.1	89.7
120°	77.5	142.9	128.9	115.8	106.5
122.5°	82.2	142.0	136.4	131.7	124.2
125°	86.9	138.2	151.3	140.1	140.1
127.5°	90.6	132.6	164.4	148.5	147.6
130°	94.3	128.0	173.7	153.2	156.0
132.5°	96.2	125.2	177.5	166.2	159.7
135°	99.0	123.3	178.4	179.3	172.8
137.5°	101.8	123.3	176.5	187.7	184.0
140°	103.7	122.4	172.8	191.5	192.4
142.5°	105.5	120.5	164.4	190.5	195.2
145°	106.5	119.6	155.0	186.8	193.3
147.5°	107.4	118.6	146.6	180.3	188.7
150°	107.4	117.7	140.1	170.9	181.2
152.5°	107.4	116.7	134.5	158.8	170.0
155°	107.4	116.7	129.8	148.5	156.9
157.5°	108.3	114.9	126.1	140.1	145.7
160°	109.3	113.9	123.3	133.6	137.3
162.5°	109.3	113.0	120.5	128.0	130.8
165°	109.3	112.1	117.7	123.3	126.1
167.5°	109.3	112.1	115.8	120.5	122.4
170°	109.3	111.1	113.9	116.7	117.7
172.5°	109.3	111.1	112.1	113.9	113.9
175°	110.2	110.2	110.2	112.1	111.1
177.5°	110.2	110.2	109.3	110.2	109.3
180°	109.3	109.3	109.3	109.3	109.3

(END OF REPORT)