

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: P274904

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274904
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-30L92765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2424.1 lumens
Efficiency: N/A
Efficacy: 94.7 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

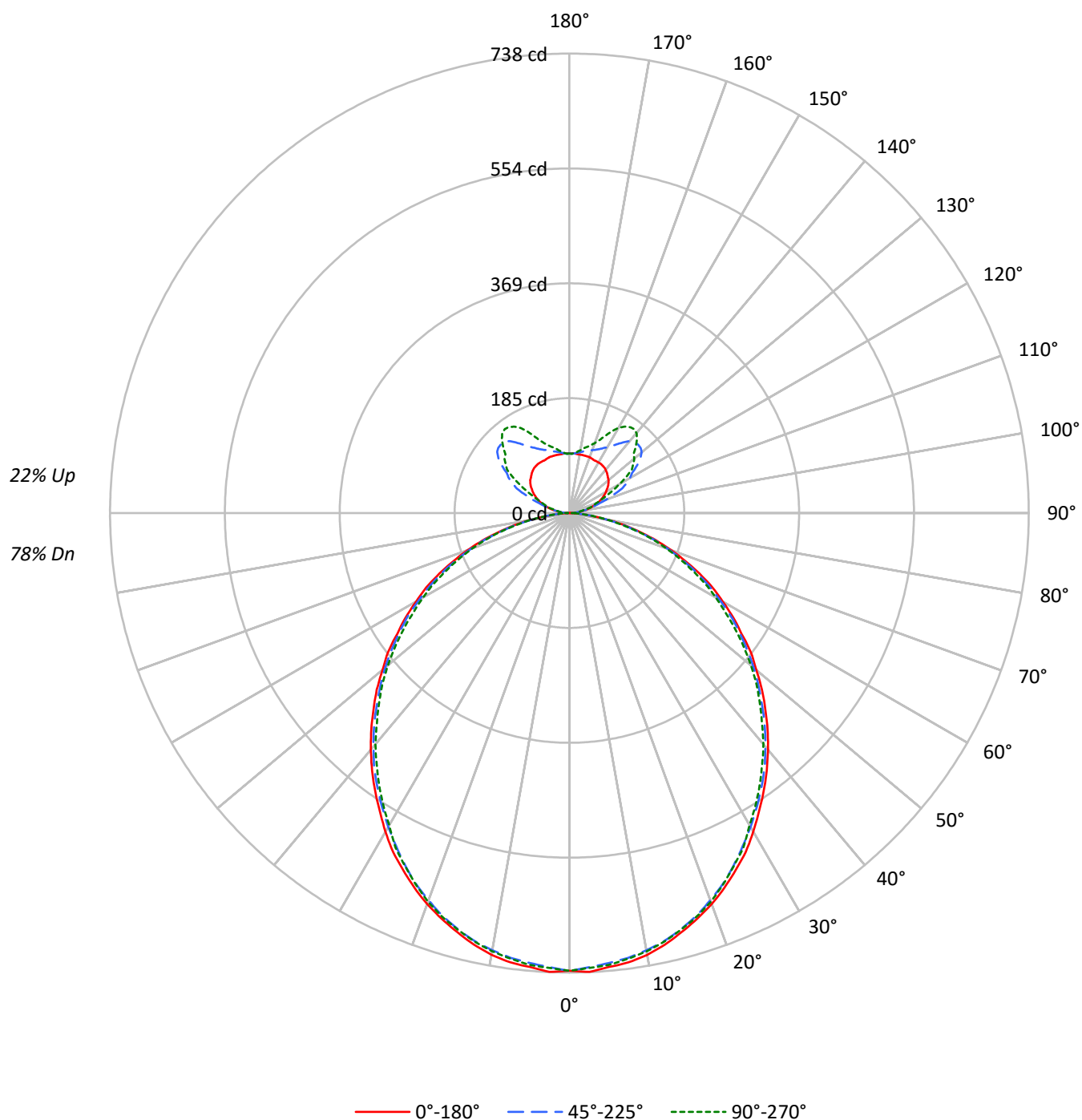
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82
1	104	100	96	92	99	95	92	89	87	84	82	80	77	75	73	71	70
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	46	43
5	73	61	52	46	69	58	50	45	54	47	42	50	44	40	46	41	37
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	41	37	33
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5934	5934	5934
5°	5931	5878	5904
10°	5906	5846	5860
15°	5824	5783	5790
20°	5741	5686	5706
25°	5633	5561	5568
30°	5508	5424	5395
35°	5365	5301	5253
40°	5230	5162	5110
45°	5081	4997	4941
50°	4923	4852	4780
55°	4749	4691	4577
60°	4592	4500	4382
65°	4405	4296	4157
70°	4116	3982	3904
75°	3662	3534	3509
80°	2957	2878	2878
85°	1815	1964	1964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	2.9
10°-20°	195.8	8.1
20°-30°	288.7	11.9
30°-40°	337.0	13.9
40°-50°	338.5	14.0
50°-60°	297.8	12.3
60°-70°	221.8	9.2
70°-80°	121.3	5.0
80°-90°	27.6	1.1
90°-100°	14.1	0.6
100°-110°	44.4	1.8
110°-120°	83.4	3.4
120°-130°	105.0	4.3
130°-140°	103.4	4.3
140°-150°	83.6	3.4
150°-160°	53.7	2.2
160°-170°	29.4	1.2
170°-180°	9.3	0.4
0°-30°	553.8	22.8
0°-40°	890.8	36.7
0°-60°	1527.1	63.0
0°-90°	1897.9	78.3
90°-120°	141.8	5.9
90°-150°	433.9	17.9
90°-180°	526.0	21.7
0°-180°	2424.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	732	730	725	731	729	70
15°	697	698	692	695	693	197
25°	632	628	624	626	625	291
35°	544	544	538	535	533	341
45°	445	444	438	433	433	344
55°	337	339	333	328	325	303
65°	231	229	225	219	218	228
75°	117	116	113	113	112	125
85°	20	20	21	22	21	26
90°	1	2	2	3	2	2
95°	13	12	12	13	14	13
105°	37	59	38	38	35	39
115°	59	116	93	70	65	58
125°	76	121	132	122	122	68
135°	86	108	156	156	151	67
145°	93	104	135	163	169	58
155°	94	102	113	130	137	44
165°	95	98	103	108	110	27
175°	96	96	96	98	97	9
180°	95	95	95	95	95	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	735.1	735.1	735.1	735.1	735.1
2.5°	737.6	733.5	730.2	734.3	731.1
5°	731.9	730.2	725.4	731.1	728.6
7.5°	727.8	725.4	720.5	725.4	722.1
10°	720.5	718.8	713.1	716.4	714.8
12.5°	709.9	709.9	704.2	707.4	705.0
15°	696.8	697.6	691.9	695.2	692.8
17.5°	683.0	683.8	678.1	681.3	679.7
20°	668.3	665.9	661.8	664.2	664.2
22.5°	651.2	647.9	644.7	644.7	645.5
25°	632.4	628.4	624.3	625.9	625.1
27.5°	613.7	608.8	603.1	605.5	605.5
30°	590.9	587.6	581.9	583.5	578.7
32.5°	567.2	565.6	559.9	559.1	556.6
35°	544.4	543.6	537.9	534.6	533.0
37.5°	520.8	520.8	515.1	511.8	508.6
40°	496.3	494.7	489.8	485.7	484.9
42.5°	471.1	470.3	464.6	459.7	458.0
45°	445.0	444.2	437.7	432.8	432.8
47.5°	419.7	417.3	412.4	406.7	407.5
50°	392.0	392.0	386.3	381.4	380.6
52.5°	367.6	365.1	359.4	356.2	352.9
55°	337.4	339.0	333.3	327.6	325.2
57.5°	312.1	312.1	307.3	300.7	297.5
60°	284.4	284.4	278.7	274.7	271.4
62.5°	259.2	257.5	251.8	246.9	246.1
65°	230.6	229.0	224.9	219.2	217.6
67.5°	201.3	200.5	195.6	192.3	191.5
70°	174.4	172.0	168.7	166.3	165.4
72.5°	145.9	143.4	141.8	139.4	139.4
75°	117.4	115.7	113.3	113.3	112.5
77.5°	90.5	88.8	88.8	87.2	85.6
80°	63.6	64.4	61.9	61.9	61.9
82.5°	39.9	40.8	39.1	39.1	39.1
85°	19.6	20.4	21.2	22.0	21.2
87.5°	5.7	7.3	9.0	9.8	9.0
90°	0.8	1.6	2.4	3.3	2.4
92.5°	6.5	7.3	9.0	9.8	9.8
95°	13.0	12.2	12.2	13.0	13.9
97.5°	18.7	19.6	15.5	16.3	16.3
100°	25.3	31.0	23.6	19.6	19.6
102.5°	31.0	44.8	31.0	26.9	24.5
105°	36.7	58.7	38.3	37.5	35.0
107.5°	42.4	71.7	48.9	39.9	39.9
110°	48.9	87.2	61.9	48.9	45.6



TEST NUMBER: P274904

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	53.8	104.3	76.6	57.9	54.6
115°	58.7	116.5	92.9	70.1	65.2
117.5°	63.6	122.3	103.5	85.6	78.2
120°	67.6	124.7	112.5	101.1	92.9
122.5°	71.7	123.9	119.0	114.9	108.4
125°	75.8	120.6	132.0	122.3	122.3
127.5°	79.1	115.7	143.4	129.6	128.8
130°	82.3	111.7	151.6	133.7	136.1
132.5°	83.9	109.2	154.9	145.1	139.4
135°	86.4	107.6	155.7	156.5	150.8
137.5°	88.8	107.6	154.0	163.8	160.6
140°	90.5	106.8	150.8	167.1	167.9
142.5°	92.1	105.1	143.4	166.3	170.3
145°	92.9	104.3	135.3	163.0	168.7
147.5°	93.7	103.5	128.0	157.3	164.6
150°	93.7	102.7	122.3	149.1	158.1
152.5°	93.7	101.9	117.4	138.6	148.3
155°	93.7	101.9	113.3	129.6	136.9
157.5°	94.5	100.2	110.0	122.3	127.1
160°	95.4	99.4	107.6	116.5	119.8
162.5°	95.4	98.6	105.1	111.7	114.1
165°	95.4	97.8	102.7	107.6	110.0
167.5°	95.4	97.8	101.1	105.1	106.8
170°	95.4	97.0	99.4	101.9	102.7
172.5°	95.4	97.0	97.8	99.4	99.4
175°	96.2	96.2	96.2	97.8	97.0
177.5°	96.2	96.2	95.4	96.2	95.4
180°	95.4	95.4	95.4	95.4	95.4

(END OF REPORT)