

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: P274905

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274905
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2546.1 lumens
Efficiency: N/A
Efficacy: 98.3 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

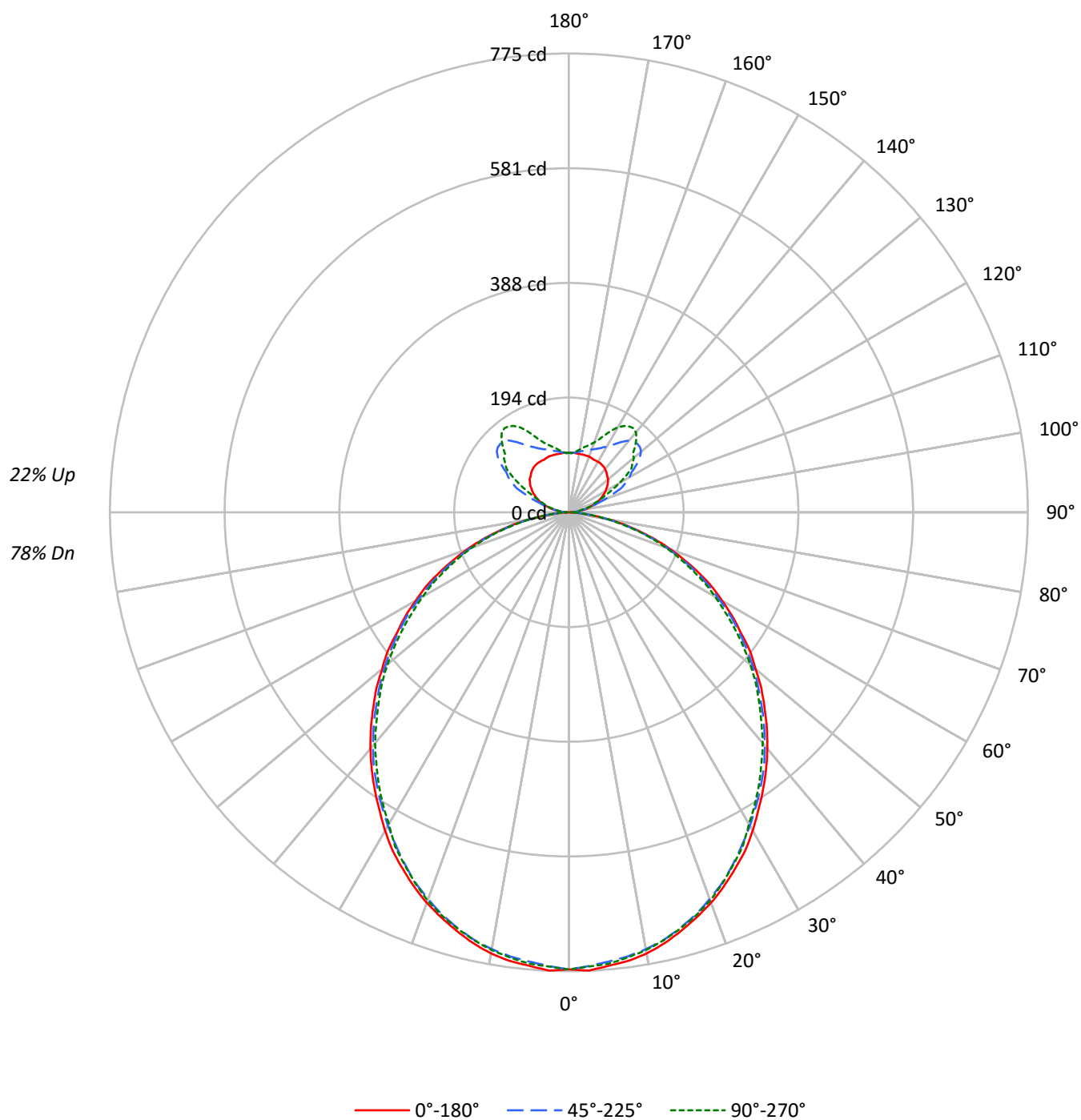
Input Watts (W): 25.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RCR																				
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78		
1	104	100	96	92	99	95	92	89	87	84	82	80	77	75	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	46	43	40		
5	73	61	52	46	69	58	50	45	54	47	42	50	44	40	46	41	37	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	41	37	33	31		
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24	22		
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6233	6233	6233
5°	6229	6173	6202
10°	6203	6140	6154
15°	6117	6074	6081
20°	6030	5972	5993
25°	5917	5841	5849
30°	5785	5698	5666
35°	5635	5568	5517
40°	5494	5422	5367
45°	5336	5248	5189
50°	5171	5095	5021
55°	4988	4928	4807
60°	4823	4728	4602
65°	4627	4514	4367
70°	4324	4183	4102
75°	3846	3712	3684
80°	3106	3027	3027
85°	1899	2066	2066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	2.9
10°-20°	205.7	8.1
20°-30°	303.3	11.9
30°-40°	354.0	13.9
40°-50°	355.5	14.0
50°-60°	312.8	12.3
60°-70°	233.0	9.2
70°-80°	127.4	5.0
80°-90°	29.0	1.1
90°-100°	14.8	0.6
100°-110°	46.6	1.8
110°-120°	87.6	3.4
120°-130°	110.3	4.3
130°-140°	108.6	4.3
140°-150°	87.8	3.4
150°-160°	56.4	2.2
160°-170°	30.8	1.2
170°-180°	9.8	0.4
0°-30°	581.6	22.8
0°-40°	935.6	36.7
0°-60°	1603.9	63.0
0°-90°	1993.4	78.3
90°-120°	149.0	5.9
90°-150°	455.7	17.9
90°-180°	553.0	21.7
0°-180°	2546.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	772	772	772	772	772	
5°	769	767	762	768	765	73
15°	732	733	727	730	728	206
25°	664	660	656	657	657	306
35°	572	571	565	562	560	358
45°	467	466	460	454	454	361
55°	354	356	350	344	342	318
65°	242	240	236	230	229	239
75°	123	122	119	119	118	131
85°	20	21	22	23	22	27
90°	1	2	3	3	3	2
95°	14	13	13	14	15	14
105°	38	62	40	39	37	41
115°	62	122	98	74	68	61
125°	80	127	139	128	128	71
135°	91	113	164	164	158	70
145°	98	110	142	171	177	61
155°	98	107	119	136	144	46
165°	100	103	108	113	116	28
175°	101	101	101	103	102	10
180°	100	100	100	100	100	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	772.1	772.1	772.1	772.1	772.1
2.5°	774.7	770.4	767.0	771.3	767.8
5°	768.7	767.0	761.8	767.8	765.3
7.5°	764.4	761.8	756.7	761.8	758.4
10°	756.7	755.0	749.0	752.4	750.7
12.5°	745.6	745.6	739.6	743.0	740.4
15°	731.9	732.7	726.7	730.2	727.6
17.5°	717.3	718.2	712.2	715.6	713.9
20°	701.9	699.4	695.1	697.6	697.6
22.5°	683.9	680.5	677.1	677.1	678.0
25°	664.3	660.0	655.7	657.4	656.6
27.5°	644.6	639.4	633.4	636.0	636.0
30°	620.6	617.2	611.2	612.9	607.8
32.5°	595.8	594.1	588.1	587.2	584.6
35°	571.8	571.0	565.0	561.5	559.8
37.5°	547.0	547.0	541.0	537.6	534.1
40°	521.3	519.6	514.5	510.2	509.3
42.5°	494.8	493.9	487.9	482.8	481.1
45°	467.4	466.5	459.7	454.5	454.5
47.5°	440.8	438.3	433.1	427.1	428.0
50°	411.7	411.7	405.7	400.6	399.8
52.5°	386.1	383.5	377.5	374.1	370.6
55°	354.4	356.1	350.1	344.1	341.5
57.5°	327.8	327.8	322.7	315.9	312.4
60°	298.7	298.7	292.8	288.5	285.0
62.5°	272.2	270.5	264.5	259.4	258.5
65°	242.2	240.5	236.3	230.3	228.6
67.5°	211.4	210.6	205.4	202.0	201.2
70°	183.2	180.6	177.2	174.6	173.8
72.5°	153.2	150.7	148.9	146.4	146.4
75°	123.3	121.6	119.0	119.0	118.1
77.5°	95.0	93.3	93.3	91.6	89.9
80°	66.8	67.6	65.1	65.1	65.1
82.5°	41.9	42.8	41.1	41.1	41.1
85°	20.5	21.4	22.3	23.1	22.3
87.5°	6.0	7.7	9.4	10.3	9.4
90°	0.9	1.7	2.6	3.4	2.6
92.5°	6.8	7.7	9.4	10.3	10.3
95°	13.7	12.8	12.8	13.7	14.6
97.5°	19.7	20.5	16.3	17.1	17.1
100°	26.5	32.5	24.8	20.5	20.5
102.5°	32.5	47.1	32.5	28.2	25.7
105°	38.5	61.6	40.2	39.4	36.8
107.5°	44.5	75.3	51.4	41.9	41.9
110°	51.4	91.6	65.1	51.4	47.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	56.5	109.6	80.5	60.8	57.4
115°	61.6	122.4	97.6	73.6	68.5
117.5°	66.8	128.4	108.7	89.9	82.2
120°	71.0	131.0	118.1	106.1	97.6
122.5°	75.3	130.1	125.0	120.7	113.8
125°	79.6	126.7	138.7	128.4	128.4
127.5°	83.0	121.6	150.7	136.1	135.2
130°	86.5	117.3	159.2	140.4	143.0
132.5°	88.2	114.7	162.6	152.4	146.4
135°	90.7	113.0	163.5	164.4	158.4
137.5°	93.3	113.0	161.8	172.1	168.6
140°	95.0	112.1	158.4	175.5	176.3
142.5°	96.7	110.4	150.7	174.6	178.9
145°	97.6	109.6	142.1	171.2	177.2
147.5°	98.4	108.7	134.4	165.2	172.9
150°	98.4	107.9	128.4	156.6	166.1
152.5°	98.4	107.0	123.3	145.5	155.8
155°	98.4	107.0	119.0	136.1	143.8
157.5°	99.3	105.3	115.6	128.4	133.5
160°	100.2	104.4	113.0	122.4	125.8
162.5°	100.2	103.6	110.4	117.3	119.8
165°	100.2	102.7	107.9	113.0	115.6
167.5°	100.2	102.7	106.1	110.4	112.1
170°	100.2	101.9	104.4	107.0	107.9
172.5°	100.2	101.9	102.7	104.4	104.4
175°	101.0	101.0	101.0	102.7	101.9
177.5°	101.0	101.0	100.2	101.0	100.2
180°	100.2	100.2	100.2	100.2	100.2

(END OF REPORT)