

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: P274909

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L92765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2804.9 lumens
Efficiency: N/A
Efficacy: 105.4 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

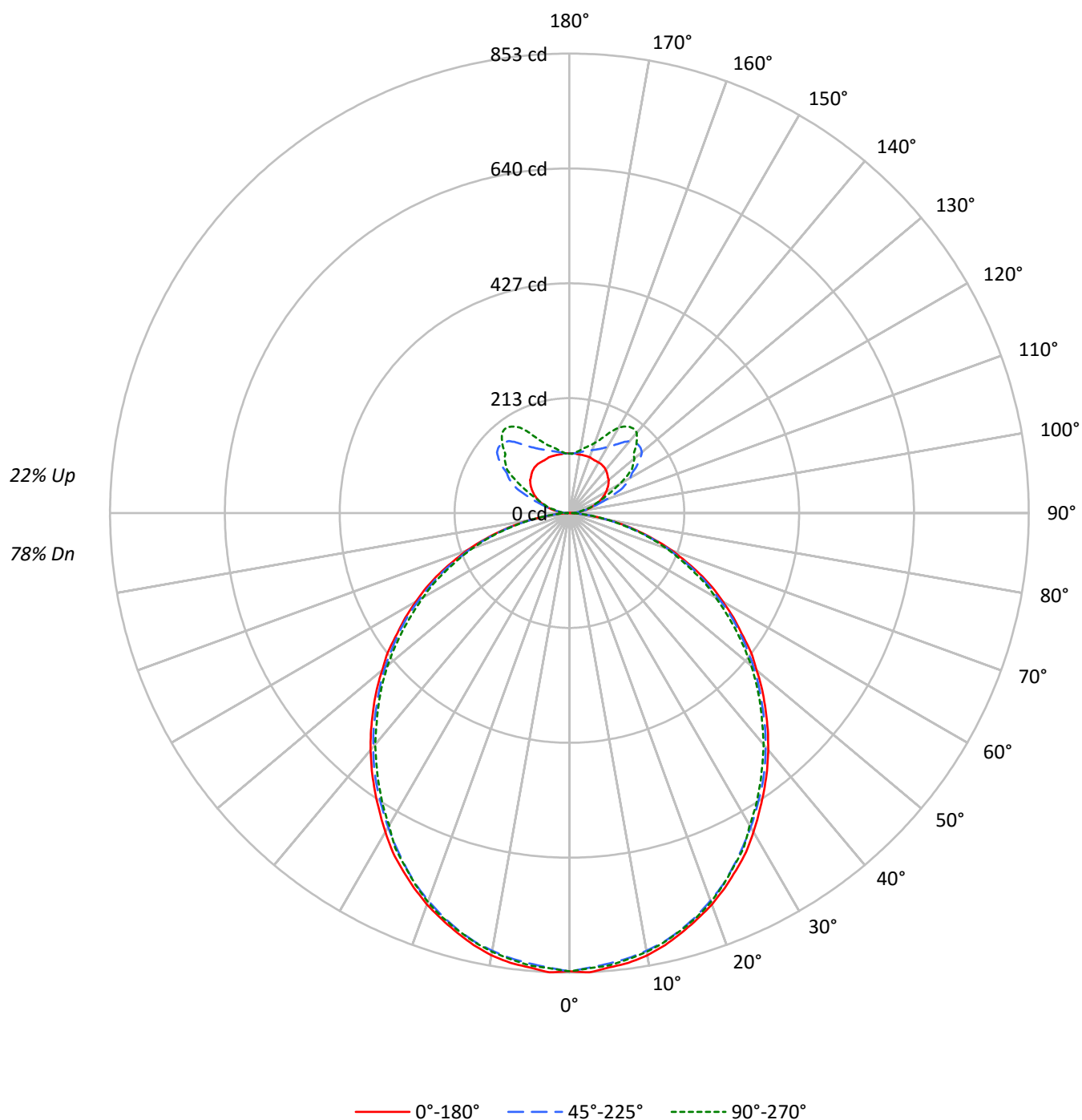
Input Watts (W): 26.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	49	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°	6867	6867	6867
5°	6862	6802	6831
10°	6833	6764	6779
15°	6739	6691	6699
20°	6643	6578	6602
25°	6519	6434	6443
30°	6373	6276	6241
35°	6208	6134	6078
40°	6052	5972	5913
45°	5879	5782	5716
50°	5697	5614	5531
55°	5495	5429	5296
60°	5314	5207	5070
65°	5098	4972	4810
70°	4763	4607	4518
75°	4236	4089	4058
80°	3422	3333	3333
85°	2093	2269	2269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	2.9
10°-20°	226.6	8.1
20°-30°	334.1	11.9
30°-40°	390.0	13.9
40°-50°	391.7	14.0
50°-60°	344.6	12.3
60°-70°	256.7	9.2
70°-80°	140.4	5.0
80°-90°	31.9	1.1
90°-100°	16.3	0.6
100°-110°	51.3	1.8
110°-120°	96.5	3.4
120°-130°	121.5	4.3
130°-140°	119.7	4.3
140°-150°	96.7	3.4
150°-160°	62.1	2.2
160°-170°	34.0	1.2
170°-180°	10.8	0.4
0°-30°	640.7	22.8
0°-40°	1030.7	36.7
0°-60°	1767.0	63.0
0°-90°	2196.0	78.3
90°-120°	164.1	5.9
90°-150°	502.0	17.9
90°-180°	609.0	21.7
0°-180°	2804.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	851	851	851	851	851	
5°	847	845	839	846	843	80
15°	806	807	801	804	802	227
25°	732	727	722	724	723	337
35°	630	629	622	619	617	394
45°	515	514	506	501	501	397
55°	390	392	386	379	376	351
65°	267	265	260	254	252	264
75°	136	134	131	131	130	144
85°	23	24	24	26	24	30
90°	1	2	3	4	3	2
95°	15	14	14	15	16	15
105°	42	68	44	43	40	45
115°	68	135	108	81	75	67
125°	88	140	153	141	141	78
135°	100	124	180	181	174	77
145°	108	121	156	189	195	67
155°	108	118	131	150	158	50
165°	110	113	119	124	127	31
175°	111	111	111	113	112	11
180°	110	110	110	110	110	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	850.6	850.6	850.6	850.6	850.6
2.5°	853.4	848.7	844.9	849.6	845.9
5°	846.8	844.9	839.3	845.9	843.0
7.5°	842.1	839.3	833.6	839.3	835.5
10°	833.6	831.7	825.1	828.9	827.0
12.5°	821.4	821.4	814.8	818.5	815.7
15°	806.3	807.2	800.6	804.4	801.5
17.5°	790.2	791.2	784.6	788.3	786.5
20°	773.3	770.4	765.7	768.5	768.5
22.5°	753.5	749.7	745.9	745.9	746.9
25°	731.8	727.1	722.3	724.2	723.3
27.5°	710.1	704.4	697.8	700.6	700.6
30°	683.7	679.9	673.3	675.2	669.5
32.5°	656.3	654.4	647.8	646.9	644.1
35°	629.9	629.0	622.4	618.6	616.7
37.5°	602.6	602.6	596.0	592.2	588.4
40°	574.3	572.4	566.7	562.0	561.1
42.5°	545.1	544.1	537.5	531.9	530.0
45°	514.9	513.9	506.4	500.7	500.7
47.5°	485.6	482.8	477.2	470.6	471.5
50°	453.6	453.6	447.0	441.3	440.4
52.5°	425.3	422.5	415.9	412.1	408.3
55°	390.4	392.3	385.7	379.1	376.3
57.5°	361.2	361.2	355.5	348.0	344.2
60°	329.1	329.1	322.5	317.8	314.0
62.5°	299.9	298.0	291.4	285.7	284.8
65°	266.9	265.0	260.3	253.7	251.8
67.5°	232.9	232.0	226.3	222.5	221.6
70°	201.8	199.0	195.2	192.4	191.4
72.5°	168.8	166.0	164.1	161.3	161.3
75°	135.8	133.9	131.1	131.1	130.1
77.5°	104.7	102.8	102.8	100.9	99.0
80°	73.6	74.5	71.7	71.7	71.7
82.5°	46.2	47.1	45.3	45.3	45.3
85°	22.6	23.6	24.5	25.5	24.5
87.5°	6.6	8.5	10.4	11.3	10.4
90°	0.9	1.9	2.8	3.8	2.8
92.5°	7.5	8.5	10.4	11.3	11.3
95°	15.1	14.1	14.1	15.1	16.0
97.5°	21.7	22.6	17.9	18.9	18.9
100°	29.2	35.8	27.3	22.6	22.6
102.5°	35.8	51.9	35.8	31.1	28.3
105°	42.4	67.9	44.3	43.4	40.5
107.5°	49.0	83.0	56.6	46.2	46.2
110°	56.6	100.9	71.7	56.6	52.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	62.2	120.7	88.6	67.0	63.2
115°	67.9	134.8	107.5	81.1	75.4
117.5°	73.6	141.4	119.8	99.0	90.5
120°	78.3	144.3	130.1	116.9	107.5
122.5°	83.0	143.3	137.7	133.0	125.4
125°	87.7	139.6	152.8	141.4	141.4
127.5°	91.5	133.9	166.0	149.9	149.0
130°	95.2	129.2	175.4	154.7	157.5
132.5°	97.1	126.4	179.2	167.9	161.3
135°	100.0	124.5	180.1	181.1	174.5
137.5°	102.8	124.5	178.2	189.5	185.8
140°	104.7	123.5	174.5	193.3	194.3
142.5°	106.6	121.6	166.0	192.4	197.1
145°	107.5	120.7	156.5	188.6	195.2
147.5°	108.4	119.8	148.1	182.0	190.5
150°	108.4	118.8	141.4	172.6	182.9
152.5°	108.4	117.9	135.8	160.3	171.6
155°	108.4	117.9	131.1	149.9	158.4
157.5°	109.4	116.0	127.3	141.4	147.1
160°	110.3	115.0	124.5	134.8	138.6
162.5°	110.3	114.1	121.6	129.2	132.0
165°	110.3	113.2	118.8	124.5	127.3
167.5°	110.3	113.2	116.9	121.6	123.5
170°	110.3	112.2	115.0	117.9	118.8
172.5°	110.3	112.2	113.2	115.0	115.0
175°	111.3	111.3	111.3	113.2	112.2
177.5°	111.3	111.3	110.3	111.3	110.3
180°	110.3	110.3	110.3	110.3	110.3

(END OF REPORT)