

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: P274910

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274910
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2822.7 lumens
Efficiency: N/A
Efficacy: 104.5 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

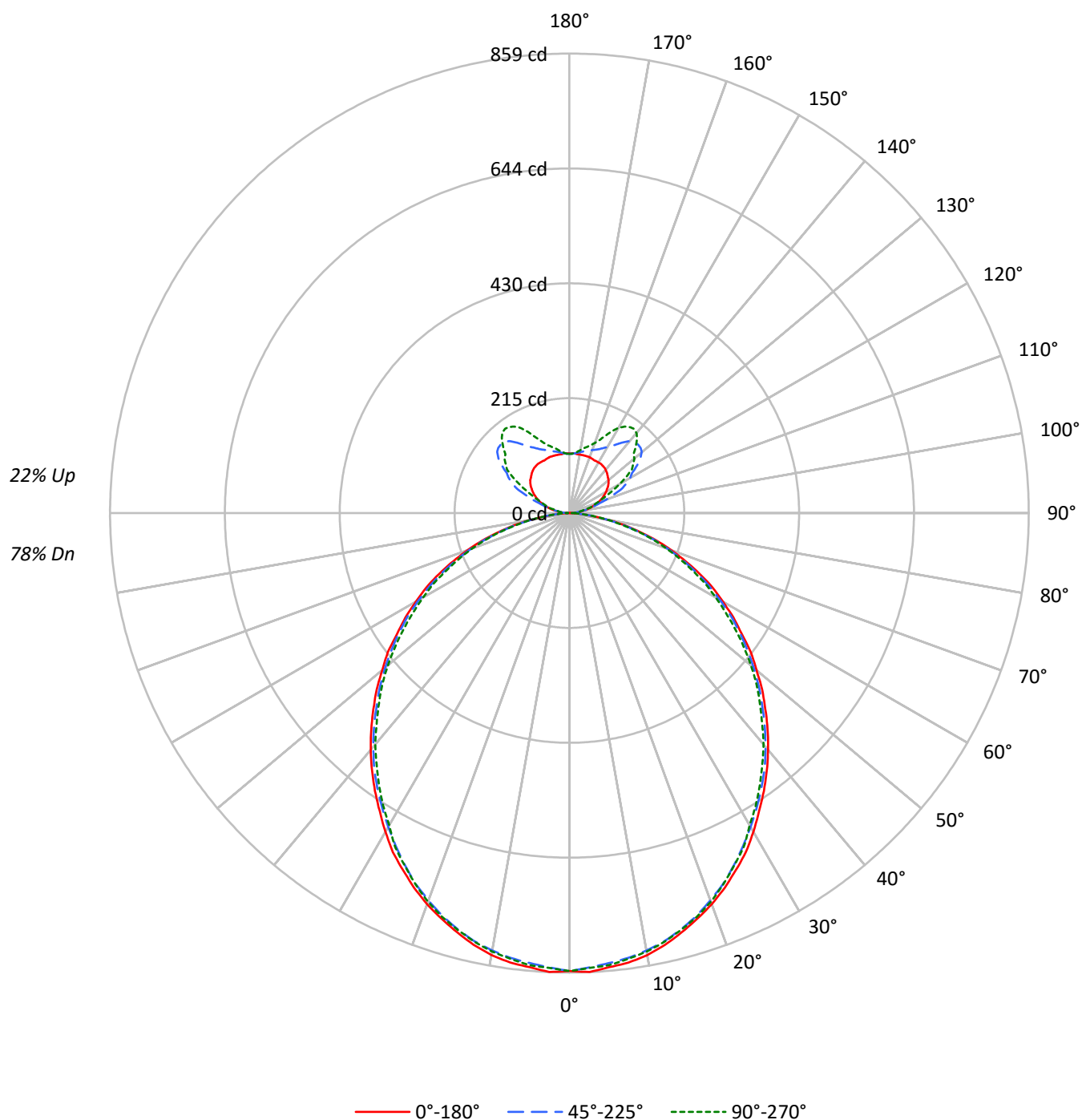
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6910	6910	6910
5°	6906	6844	6875
10°	6877	6807	6823
15°	6781	6734	6742
20°	6686	6620	6644
25°	6559	6475	6484
30°	6413	6316	6281
35°	6247	6172	6116
40°	6090	6010	5951
45°	5916	5818	5753
50°	5733	5649	5566
55°	5530	5462	5330
60°	5348	5241	5102
65°	5131	5003	4841
70°	4794	4636	4546
75°	4264	4114	4086
80°	3440	3352	3352
85°	2112	2288	2288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	2.9
10°-20°	228.0	8.1
20°-30°	336.2	11.9
30°-40°	392.4	13.9
40°-50°	394.1	14.0
50°-60°	346.8	12.3
60°-70°	258.3	9.2
70°-80°	141.3	5.0
80°-90°	32.1	1.1
90°-100°	16.4	0.6
100°-110°	51.7	1.8
110°-120°	97.1	3.4
120°-130°	122.3	4.3
130°-140°	120.4	4.3
140°-150°	97.3	3.4
150°-160°	62.5	2.2
160°-170°	34.2	1.2
170°-180°	10.8	0.4
0°-30°	644.8	22.8
0°-40°	1037.3	36.7
0°-60°	1778.2	63.0
0°-90°	2210.0	78.3
90°-120°	165.2	5.9
90°-150°	505.2	17.9
90°-180°	613.0	21.7
0°-180°	2822.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	852	850	845	851	848	81
15°	811	812	806	810	807	229
25°	736	732	727	729	728	339
35°	634	633	626	622	621	397
45°	518	517	510	504	504	400
55°	393	395	388	382	379	353
65°	269	267	262	255	253	265
75°	137	135	132	132	131	145
85°	23	24	25	26	25	30
90°	1	2	3	4	3	2
95°	15	14	14	15	16	15
105°	43	68	45	44	41	45
115°	68	136	108	82	76	68
125°	88	140	154	142	142	79
135°	101	125	181	182	176	78
145°	108	122	158	190	196	68
155°	109	119	132	151	159	51
165°	111	114	120	125	128	31
175°	112	112	112	114	113	11
180°	111	111	111	111	111	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	856.0	856.0	856.0	856.0	856.0
2.5°	858.8	854.1	850.3	855.0	851.3
5°	852.2	850.3	844.6	851.3	848.4
7.5°	847.5	844.6	838.9	844.6	840.8
10°	838.9	837.0	830.4	834.2	832.3
12.5°	826.6	826.6	819.9	823.7	820.9
15°	811.4	812.3	805.7	809.5	806.7
17.5°	795.3	796.2	789.6	793.4	791.5
20°	778.2	775.3	770.6	773.4	773.4
22.5°	758.3	754.5	750.7	750.7	751.6
25°	736.4	731.7	726.9	728.8	727.9
27.5°	714.6	708.9	702.3	705.1	705.1
30°	688.0	684.2	677.6	679.5	673.8
32.5°	660.5	658.6	652.0	651.0	648.2
35°	633.9	633.0	626.3	622.5	620.6
37.5°	606.4	606.4	599.8	596.0	592.2
40°	577.9	576.0	570.3	565.6	564.7
42.5°	548.5	547.6	540.9	535.2	533.3
45°	518.2	517.2	509.6	503.9	503.9
47.5°	488.7	485.9	480.2	473.6	474.5
50°	456.5	456.5	449.8	444.1	443.2
52.5°	428.0	425.2	418.5	414.7	410.9
55°	392.9	394.8	388.1	381.5	378.7
57.5°	363.5	363.5	357.8	350.2	346.4
60°	331.2	331.2	324.6	319.8	316.0
62.5°	301.8	299.9	293.2	287.5	286.6
65°	268.6	266.7	261.9	255.3	253.4
67.5°	234.4	233.5	227.8	224.0	223.0
70°	203.1	200.2	196.4	193.6	192.6
72.5°	169.9	167.0	165.1	162.3	162.3
75°	136.7	134.8	131.9	131.9	131.0
77.5°	105.3	103.4	103.4	101.5	99.6
80°	74.0	75.0	72.1	72.1	72.1
82.5°	46.5	47.5	45.6	45.6	45.6
85°	22.8	23.7	24.7	25.6	24.7
87.5°	6.6	8.5	10.4	11.4	10.4
90°	0.9	1.9	2.8	3.8	2.8
92.5°	7.6	8.5	10.4	11.4	11.4
95°	15.2	14.2	14.2	15.2	16.1
97.5°	21.8	22.8	18.0	19.0	19.0
100°	29.4	36.1	27.5	22.8	22.8
102.5°	36.1	52.2	36.1	31.3	28.5
105°	42.7	68.3	44.6	43.7	40.8
107.5°	49.3	83.5	56.9	46.5	46.5
110°	56.9	101.5	72.1	56.9	53.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	62.6	121.5	89.2	67.4	63.6
115°	68.3	135.7	108.2	81.6	75.9
117.5°	74.0	142.4	120.5	99.6	91.1
120°	78.8	145.2	131.0	117.7	108.2
122.5°	83.5	144.2	138.6	133.8	126.2
125°	88.3	140.5	153.7	142.4	142.4
127.5°	92.1	134.8	167.0	150.9	149.9
130°	95.8	130.0	176.5	155.6	158.5
132.5°	97.7	127.2	180.3	168.9	162.3
135°	100.6	125.3	181.3	182.2	175.6
137.5°	103.4	125.3	179.4	190.7	187.0
140°	105.3	124.3	175.6	194.5	195.5
142.5°	107.2	122.4	167.0	193.6	198.3
145°	108.2	121.5	157.5	189.8	196.4
147.5°	109.1	120.5	149.0	183.2	191.7
150°	109.1	119.6	142.4	173.7	184.1
152.5°	109.1	118.6	136.7	161.3	172.7
155°	109.1	118.6	131.9	150.9	159.4
157.5°	110.1	116.7	128.1	142.4	148.0
160°	111.0	115.8	125.3	135.7	139.5
162.5°	111.0	114.8	122.4	130.0	132.9
165°	111.0	113.9	119.6	125.3	128.1
167.5°	111.0	113.9	117.7	122.4	124.3
170°	111.0	112.9	115.8	118.6	119.6
172.5°	111.0	112.9	113.9	115.8	115.8
175°	112.0	112.0	112.0	113.9	112.9
177.5°	112.0	112.0	111.0	112.0	111.0
180°	111.0	111.0	111.0	111.0	111.0

(END OF REPORT)