

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: P274906

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274906
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2626.4 lumens
Efficiency: N/A
Efficacy: 100.6 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

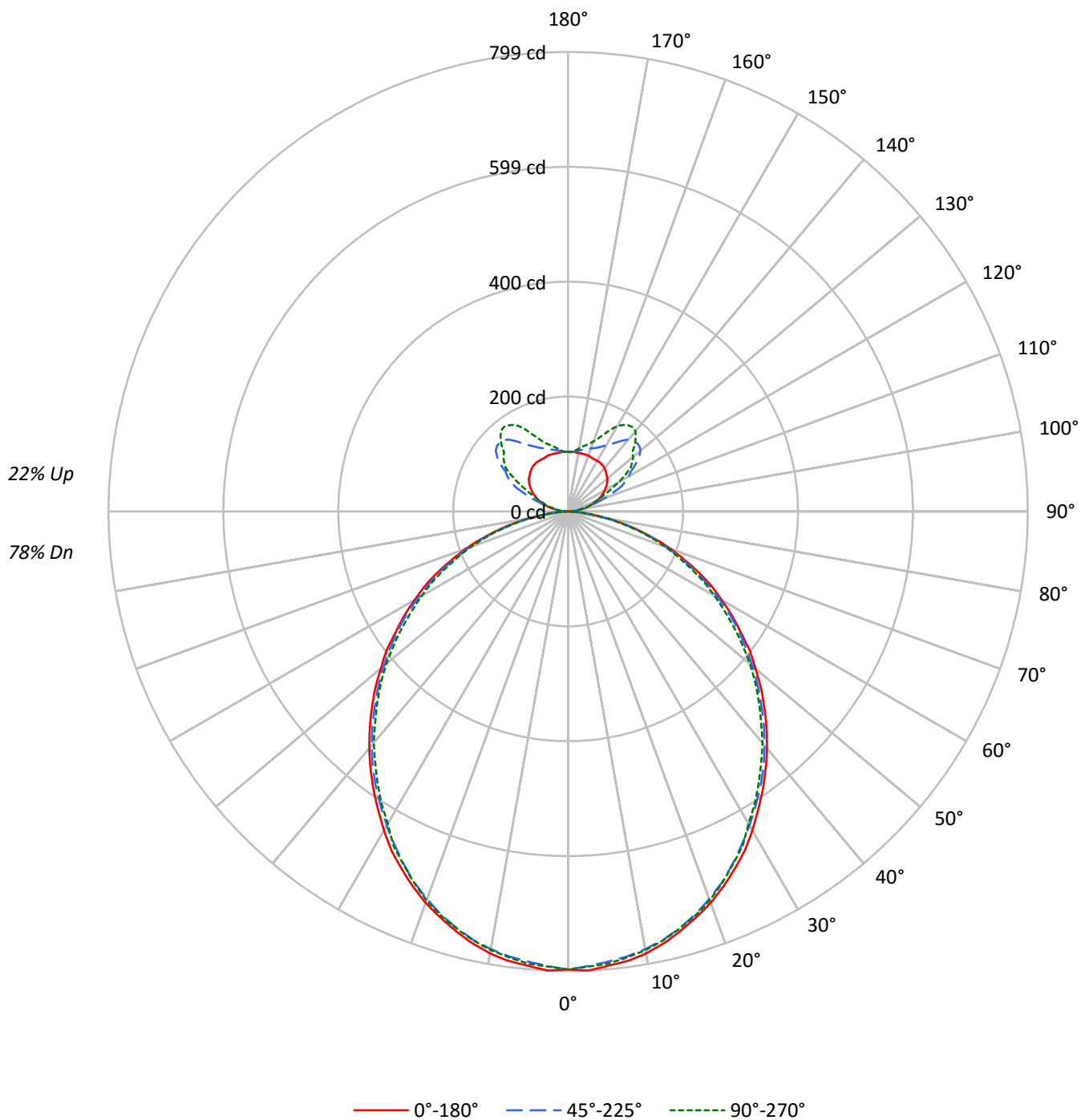
Input Watts (W): 26.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6430	6430	6430
5°	6425	6369	6397
10°	6399	6333	6348
15°	6310	6266	6273
20°	6221	6160	6182
25°	6103	6025	6033
30°	5968	5877	5844
35°	5813	5744	5691
40°	5667	5593	5537
45°	5504	5414	5353
50°	5334	5256	5179
55°	5146	5082	4959
60°	4976	4876	4747
65°	4774	4655	4504
70°	4461	4315	4230
75°	3968	3827	3802
80°	3203	3119	3119
85°	1964	2130	2130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	2.9
10°-20°	212.2	8.1
20°-30°	312.8	11.9
30°-40°	365.1	13.9
40°-50°	366.7	14.0
50°-60°	322.7	12.3
60°-70°	240.4	9.2
70°-80°	131.4	5.0
80°-90°	29.9	1.1
90°-100°	15.2	0.6
100°-110°	48.1	1.8
110°-120°	90.4	3.4
120°-130°	113.8	4.3
130°-140°	112.0	4.3
140°-150°	90.5	3.4
150°-160°	58.2	2.2
160°-170°	31.8	1.2
170°-180°	10.1	0.4
0°-30°	600.0	22.8
0°-40°	965.1	36.7
0°-60°	1654.5	63.0
0°-90°	2056.2	78.3
90°-120°	153.7	5.9
90°-150°	470.1	17.9
90°-180°	570.0	21.7
0°-180°	2626.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	793	791	786	792	789	75
15°	755	756	750	753	751	213
25°	685	681	676	678	677	316
35°	590	589	583	579	578	369
45°	482	481	474	469	469	372
55°	366	367	361	355	352	328
65°	250	248	244	238	236	247
75°	127	125	123	123	122	135
85°	21	22	23	24	23	28
90°	1	2	3	4	3	2
95°	14	13	13	14	15	14
105°	40	64	42	41	38	42
115°	64	126	101	76	71	63
125°	82	131	143	132	132	73
135°	94	117	169	170	163	72
145°	101	113	147	177	183	63
155°	102	110	123	140	148	47
165°	103	106	111	117	119	29
175°	104	104	104	106	105	10
180°	103	103	103	103	103	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	796.5	796.5	796.5	796.5	796.5
2.5°	799.1	794.7	791.2	795.6	792.1
5°	792.9	791.2	785.9	792.1	789.4
7.5°	788.5	785.9	780.6	785.9	782.3
10°	780.6	778.8	772.6	776.2	774.4
12.5°	769.1	769.1	762.9	766.4	763.8
15°	755.0	755.8	749.7	753.2	750.6
17.5°	740.0	740.8	734.7	738.2	736.4
20°	724.1	721.4	717.0	719.6	719.6
22.5°	705.5	702.0	698.5	698.5	699.3
25°	685.2	680.8	676.4	678.1	677.3
27.5°	664.9	659.6	653.4	656.1	656.1
30°	640.2	636.6	630.5	632.2	626.9
32.5°	614.6	612.8	606.6	605.7	603.1
35°	589.8	589.0	582.8	579.2	577.5
37.5°	564.2	564.2	558.1	554.5	551.0
40°	537.7	536.0	530.7	526.3	525.4
42.5°	510.4	509.5	503.3	498.0	496.2
45°	482.1	481.2	474.2	468.9	468.9
47.5°	454.7	452.1	446.8	440.6	441.5
50°	424.7	424.7	418.5	413.2	412.4
52.5°	398.2	395.6	389.4	385.9	382.3
55°	365.6	367.3	361.1	355.0	352.3
57.5°	338.2	338.2	332.9	325.8	322.3
60°	308.2	308.2	302.0	297.6	294.0
62.5°	280.8	279.0	272.8	267.5	266.7
65°	249.9	248.1	243.7	237.5	235.8
67.5°	218.1	217.2	211.9	208.4	207.5
70°	189.0	186.3	182.8	180.1	179.2
72.5°	158.1	155.4	153.6	151.0	151.0
75°	127.2	125.4	122.7	122.7	121.9
77.5°	98.0	96.2	96.2	94.5	92.7
80°	68.9	69.8	67.1	67.1	67.1
82.5°	43.3	44.2	42.4	42.4	42.4
85°	21.2	22.1	23.0	23.8	23.0
87.5°	6.2	7.9	9.7	10.6	9.7
90°	0.9	1.8	2.6	3.5	2.6
92.5°	7.1	7.9	9.7	10.6	10.6
95°	14.1	13.2	13.2	14.1	15.0
97.5°	20.3	21.2	16.8	17.7	17.7
100°	27.4	33.6	25.6	21.2	21.2
102.5°	33.6	48.6	33.6	29.1	26.5
105°	39.7	63.6	41.5	40.6	38.0
107.5°	45.9	77.7	53.0	43.3	43.3
110°	53.0	94.5	67.1	53.0	49.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	58.3	113.0	83.0	62.7	59.2
115°	63.6	126.3	100.7	75.9	70.6
117.5°	68.9	132.5	112.1	92.7	84.8
120°	73.3	135.1	121.9	109.5	100.7
122.5°	77.7	134.2	128.9	124.5	117.4
125°	82.1	130.7	143.0	132.5	132.5
127.5°	85.7	125.4	155.4	140.4	139.5
130°	89.2	121.0	164.2	144.8	147.5
132.5°	90.9	118.3	167.8	157.2	151.0
135°	93.6	116.6	168.7	169.5	163.4
137.5°	96.2	116.6	166.9	177.5	174.0
140°	98.0	115.7	163.4	181.0	181.9
142.5°	99.8	113.9	155.4	180.1	184.5
145°	100.7	113.0	146.6	176.6	182.8
147.5°	101.5	112.1	138.6	170.4	178.4
150°	101.5	111.3	132.5	161.6	171.3
152.5°	101.5	110.4	127.2	150.1	160.7
155°	101.5	110.4	122.7	140.4	148.3
157.5°	102.4	108.6	119.2	132.5	137.7
160°	103.3	107.7	116.6	126.3	129.8
162.5°	103.3	106.8	113.9	121.0	123.6
165°	103.3	106.0	111.3	116.6	119.2
167.5°	103.3	106.0	109.5	113.9	115.7
170°	103.3	105.1	107.7	110.4	111.3
172.5°	103.3	105.1	106.0	107.7	107.7
175°	104.2	104.2	104.2	106.0	105.1
177.5°	104.2	104.2	103.3	104.2	103.3
180°	103.3	103.3	103.3	103.3	103.3

(END OF REPORT)