

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: P274888

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274888
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-30L82765-1D-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, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2807.8 lumens
Efficiency: N/A
Efficacy: 109.7 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

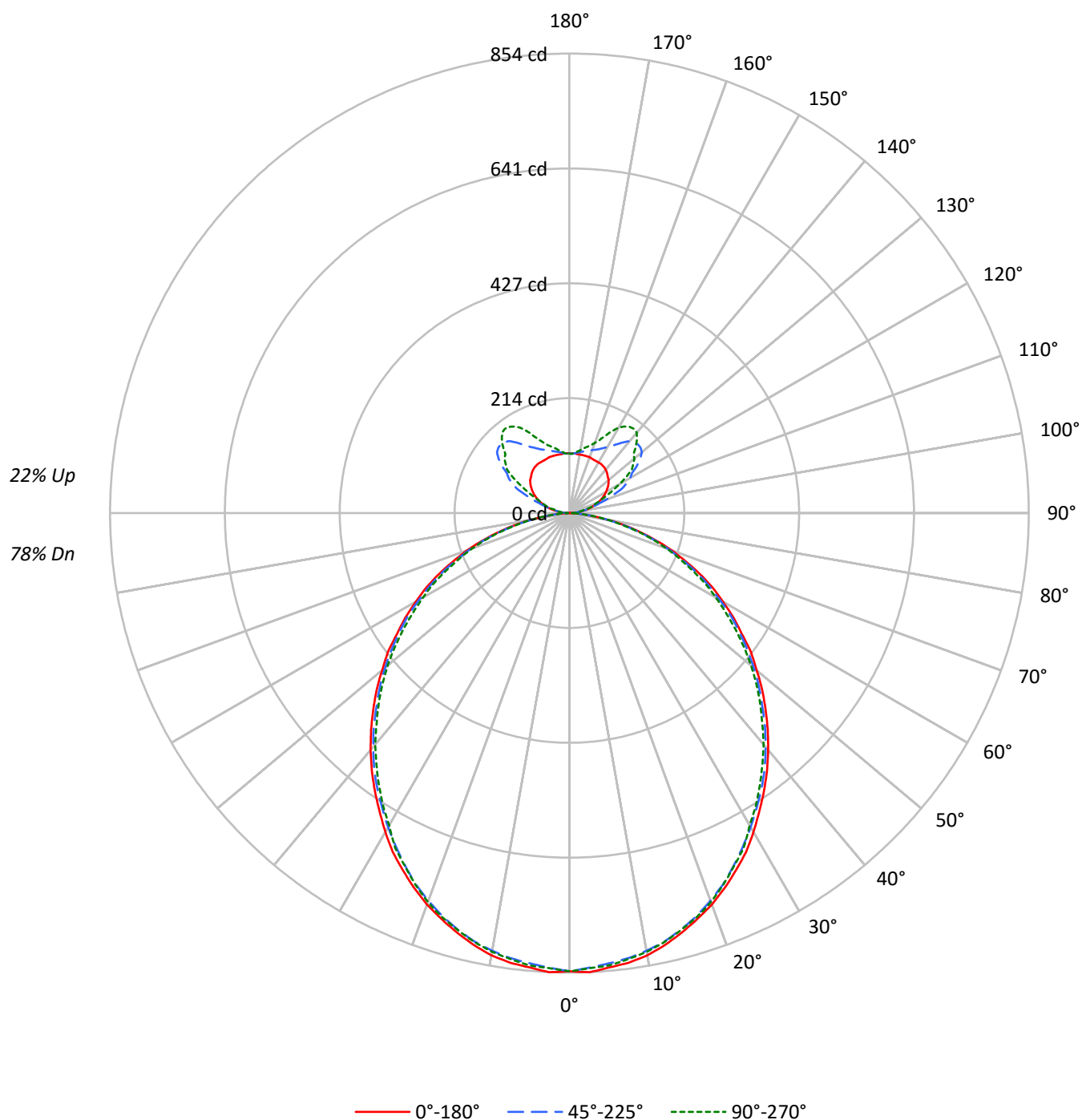
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274888

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P274888

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (3000K)

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°	6874	6874	6874
5°	6870	6809	6839
10°	6841	6771	6787
15°	6746	6699	6706
20°	6650	6585	6610
25°	6525	6441	6449
30°	6380	6283	6247
35°	6215	6140	6085
40°	6059	5978	5919
45°	5884	5787	5723
50°	5703	5620	5536
55°	5500	5434	5302
60°	5320	5212	5076
65°	5104	4976	4814
70°	4768	4612	4522
75°	4239	4092	4064
80°	3422	3333	3333
85°	2103	2269	2269



TEST NUMBER: P274888

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	2.9
10°-20°	226.8	8.1
20°-30°	334.4	11.9
30°-40°	390.4	13.9
40°-50°	392.1	14.0
50°-60°	345.0	12.3
60°-70°	257.0	9.2
70°-80°	140.5	5.0
80°-90°	32.0	1.1
90°-100°	16.3	0.6
100°-110°	51.4	1.8
110°-120°	96.6	3.4
120°-130°	121.7	4.3
130°-140°	119.8	4.3
140°-150°	96.8	3.4
150°-160°	62.2	2.2
160°-170°	34.0	1.2
170°-180°	10.8	0.4
0°-30°	641.4	22.8
0°-40°	1031.8	36.7
0°-60°	1768.8	63.0
0°-90°	2198.3	78.3
90°-120°	164.3	5.9
90°-150°	502.5	17.9
90°-180°	610.0	21.7
0°-180°	2807.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	848	846	840	847	844	81
15°	807	808	802	805	802	228
25°	732	728	723	725	724	337
35°	631	630	623	619	617	395
45°	515	514	507	501	501	398
55°	391	393	386	380	377	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	41	45
115°	68	135	108	81	76	67
125°	88	140	153	142	142	78
135°	100	125	180	181	175	77
145°	108	121	157	189	195	67
155°	109	118	131	150	159	50
165°	110	113	119	125	127	31
175°	111	111	111	113	112	11
180°	110	110	110	110	110	



TEST NUMBER: P274888

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	851.5	851.5	851.5	851.5	851.5
2.5°	854.3	849.6	845.8	850.5	846.8
5°	847.7	845.8	840.2	846.8	843.9
7.5°	843.0	840.2	834.5	840.2	836.4
10°	834.5	832.6	826.0	829.8	827.9
12.5°	822.2	822.2	815.6	819.4	816.6
15°	807.1	808.1	801.5	805.2	802.4
17.5°	791.1	792.0	785.4	789.2	787.3
20°	774.1	771.2	766.5	769.4	769.4
22.5°	754.3	750.5	746.7	746.7	747.6
25°	732.5	727.8	723.1	725.0	724.0
27.5°	710.8	705.2	698.6	701.4	701.4
30°	684.4	680.6	674.0	675.9	670.2
32.5°	657.0	655.1	648.5	647.6	644.8
35°	630.6	629.6	623.0	619.3	617.4
37.5°	603.2	603.2	596.6	592.8	589.1
40°	574.9	573.0	567.3	562.6	561.7
42.5°	545.6	544.7	538.1	532.4	530.5
45°	515.4	514.5	506.9	501.3	501.3
47.5°	486.2	483.3	477.7	471.1	472.0
50°	454.1	454.1	447.5	441.8	440.8
52.5°	425.7	422.9	416.3	412.5	408.8
55°	390.8	392.7	386.1	379.5	376.7
57.5°	361.6	361.6	355.9	348.3	344.6
60°	329.5	329.5	322.8	318.1	314.4
62.5°	300.2	298.3	291.7	286.0	285.1
65°	267.2	265.3	260.5	253.9	252.0
67.5°	233.2	232.2	226.6	222.8	221.8
70°	202.0	199.2	195.4	192.6	191.6
72.5°	169.0	166.1	164.3	161.4	161.4
75°	135.9	134.0	131.2	131.2	130.3
77.5°	104.8	102.9	102.9	101.0	99.1
80°	73.6	74.6	71.7	71.7	71.7
82.5°	46.3	47.2	45.3	45.3	45.3
85°	22.7	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°	7.6	8.5	10.4	11.3	11.3
95°	15.1	14.2	14.2	15.1	16.0
97.5°	21.7	22.7	17.9	18.9	18.9
100°	29.3	35.9	27.4	22.7	22.7
102.5°	35.9	51.9	35.9	31.2	28.3
105°	42.5	68.0	44.4	43.4	40.6
107.5°	49.1	83.1	56.6	46.3	46.3
110°	56.6	101.0	71.7	56.6	52.9



TEST NUMBER: P274888

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	62.3	120.8	88.7	67.0	63.2
115°	68.0	135.0	107.6	81.2	75.5
117.5°	73.6	141.6	119.9	99.1	90.6
120°	78.4	144.4	130.3	117.1	107.6
122.5°	83.1	143.5	137.8	133.1	125.6
125°	87.8	139.7	152.9	141.6	141.6
127.5°	91.6	134.0	166.1	150.1	149.2
130°	95.3	129.3	175.6	154.8	157.6
132.5°	97.2	126.5	179.4	168.0	161.4
135°	100.1	124.6	180.3	181.2	174.6
137.5°	102.9	124.6	178.4	189.7	186.0
140°	104.8	123.7	174.6	193.5	194.5
142.5°	106.7	121.8	166.1	192.6	197.3
145°	107.6	120.8	156.7	188.8	195.4
147.5°	108.6	119.9	148.2	182.2	190.7
150°	108.6	118.9	141.6	172.8	183.1
152.5°	108.6	118.0	135.9	160.5	171.8
155°	108.6	118.0	131.2	150.1	158.6
157.5°	109.5	116.1	127.4	141.6	147.3
160°	110.4	115.2	124.6	135.0	138.8
162.5°	110.4	114.2	121.8	129.3	132.2
165°	110.4	113.3	118.9	124.6	127.4
167.5°	110.4	113.3	117.1	121.8	123.7
170°	110.4	112.3	115.2	118.0	118.9
172.5°	110.4	112.3	113.3	115.2	115.2
175°	111.4	111.4	111.4	113.3	112.3
177.5°	111.4	111.4	110.4	111.4	110.4
180°	110.4	110.4	110.4	110.4	110.4

(END OF REPORT)