

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: P274937

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L92765-1D-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: 3389.0 lumens
Efficiency: N/A
Efficacy: 92.1 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

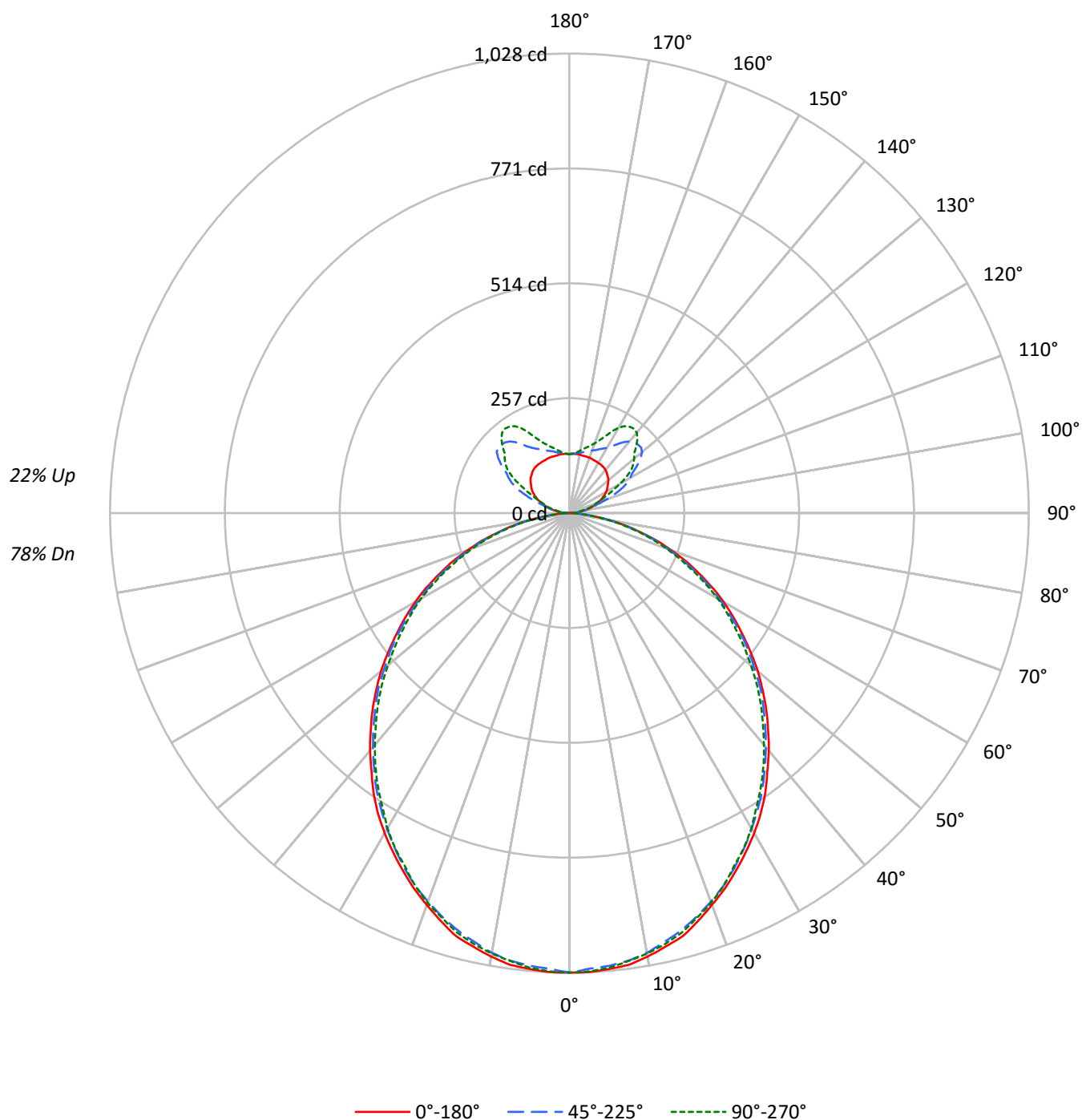
Input Watts (W): 36.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8300	8300	8300
5°	8297	8241	8276
10°	8259	8189	8203
15°	8191	8077	8120
20°	8015	7949	7972
25°	7861	7792	7762
30°	7708	7605	7589
35°	7533	7424	7365
40°	7316	7207	7136
45°	7115	7008	6919
50°	6913	6783	6655
55°	6650	6566	6410
60°	6441	6289	6205
65°	6115	5952	5820
70°	5698	5556	5436
75°	5072	4994	4941
80°	4059	4100	3980
85°	2612	2695	2779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	2.9
10°-20°	273.9	8.1
20°-30°	404.0	11.9
30°-40°	471.8	13.9
40°-50°	473.8	14.0
50°-60°	417.0	12.3
60°-70°	310.2	9.2
70°-80°	170.0	5.0
80°-90°	38.7	1.1
90°-100°	19.5	0.6
100°-110°	61.8	1.8
110°-120°	116.4	3.4
120°-130°	146.5	4.3
130°-140°	144.2	4.3
140°-150°	116.2	3.4
150°-160°	74.4	2.2
160°-170°	40.7	1.2
170°-180°	12.9	0.4
0°-30°	774.7	22.9
0°-40°	1246.6	36.8
0°-60°	2137.4	63.1
0°-90°	2656.3	78.4
90°-120°	197.7	5.8
90°-150°	604.7	17.8
90°-180°	733.0	21.6
0°-180°	3389.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1028	1028	1028	1028	1028	
5°	1024	1021	1017	1021	1021	97
15°	980	974	966	975	972	275
25°	882	881	875	874	871	407
35°	764	760	753	751	747	477
45°	623	622	614	607	606	481
55°	472	474	466	460	455	423
65°	320	320	312	308	305	317
75°	163	163	160	158	158	173
85°	28	29	29	31	30	36
90°	1	3	3	4	3	3
95°	18	17	17	19	19	18
105°	51	82	53	53	48	54
115°	82	164	128	98	91	81
125°	104	168	185	171	170	94
135°	120	150	217	219	211	93
145°	128	145	188	227	235	80
155°	130	140	158	180	189	60
165°	132	136	143	150	152	37
175°	133	133	134	134	134	13
180°	132	132	132	132	132	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1028.1	1028.1	1028.1	1028.1	1028.1
2.5°	1028.1	1026.3	1020.4	1025.5	1026.3
5°	1023.8	1021.2	1016.9	1021.2	1021.2
7.5°	1019.5	1015.2	1010.1	1012.6	1010.9
10°	1007.5	1005.8	999.0	1002.4	1000.7
12.5°	993.8	991.2	982.7	989.5	987.8
15°	980.1	974.1	966.4	975.0	971.6
17.5°	957.0	955.3	946.7	954.4	949.3
20°	933.0	932.2	925.3	928.8	927.9
22.5°	909.1	906.5	902.2	903.1	902.2
25°	882.5	880.8	874.8	874.0	871.4
27.5°	855.1	854.3	845.7	845.7	844.9
30°	826.9	824.3	815.8	815.8	814.1
32.5°	796.9	792.7	785.0	783.2	779.0
35°	764.4	760.1	753.3	750.7	747.3
37.5°	727.6	726.7	718.2	715.6	713.0
40°	694.2	691.6	683.9	681.4	677.1
42.5°	658.3	658.3	648.8	642.9	641.1
45°	623.2	621.5	613.8	606.9	606.0
47.5°	586.4	585.5	579.5	569.2	569.2
50°	550.4	548.7	540.1	533.3	529.9
52.5°	511.0	513.6	505.0	497.3	493.1
55°	472.5	474.2	466.5	459.7	455.4
57.5°	435.7	436.6	428.0	422.9	419.4
60°	398.9	398.0	389.5	385.2	384.3
62.5°	360.4	358.7	351.8	347.5	343.3
65°	320.1	320.1	311.6	308.2	304.7
67.5°	282.5	279.9	273.9	270.5	266.2
70°	241.4	240.5	235.4	232.8	230.3
72.5°	204.6	202.0	199.4	196.0	193.5
75°	162.6	162.6	160.1	157.5	158.4
77.5°	126.7	125.8	123.3	121.6	121.6
80°	87.3	89.0	88.2	87.3	85.6
82.5°	56.5	57.4	54.8	54.8	55.6
85°	28.2	29.1	29.1	30.8	30.0
87.5°	9.4	10.3	12.0	12.8	12.8
90°	0.9	2.6	3.4	4.3	3.4
92.5°	9.4	10.3	12.8	12.8	12.8
95°	18.0	17.1	17.1	18.8	18.8
97.5°	26.5	27.4	21.4	22.3	22.3
100°	35.1	42.8	32.5	26.5	26.5
102.5°	43.7	62.5	42.8	37.7	34.2
105°	51.4	82.2	53.1	53.1	47.9
107.5°	59.1	100.2	66.8	55.6	55.6
110°	66.8	124.1	86.5	66.8	63.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	75.3	147.2	107.9	80.5	75.3
115°	82.2	163.5	128.4	98.4	90.7
117.5°	89.0	170.3	144.7	119.0	108.7
120°	95.0	172.9	156.6	140.4	130.1
122.5°	100.2	172.1	166.9	160.1	151.5
125°	104.4	167.8	184.9	171.2	169.5
127.5°	108.7	161.8	200.3	180.6	179.8
130°	113.8	155.8	212.3	187.5	189.2
132.5°	117.3	151.5	217.4	203.7	196.0
135°	119.8	149.8	216.6	219.1	211.4
137.5°	123.3	148.1	214.0	228.6	225.1
140°	125.8	148.1	208.9	232.8	234.5
142.5°	127.5	146.4	200.3	232.0	238.0
145°	128.4	144.7	188.3	226.8	235.4
147.5°	129.3	143.8	177.2	219.1	230.3
150°	129.3	142.1	168.6	207.2	220.8
152.5°	130.1	141.2	162.6	192.6	205.4
155°	130.1	140.4	157.5	179.8	189.2
157.5°	131.0	138.7	152.4	169.5	176.3
160°	131.8	137.8	148.9	160.9	166.1
162.5°	131.8	137.0	145.5	154.9	158.4
165°	131.8	136.1	143.0	149.8	152.4
167.5°	131.8	135.2	139.5	145.5	147.2
170°	132.7	134.4	137.0	141.2	142.1
172.5°	132.7	133.5	135.2	137.8	137.8
175°	132.7	132.7	133.5	134.4	134.4
177.5°	132.7	132.7	132.7	132.7	132.7
180°	131.8	131.8	131.8	131.8	131.8

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