

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: P274911

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (2700K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3346.3 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

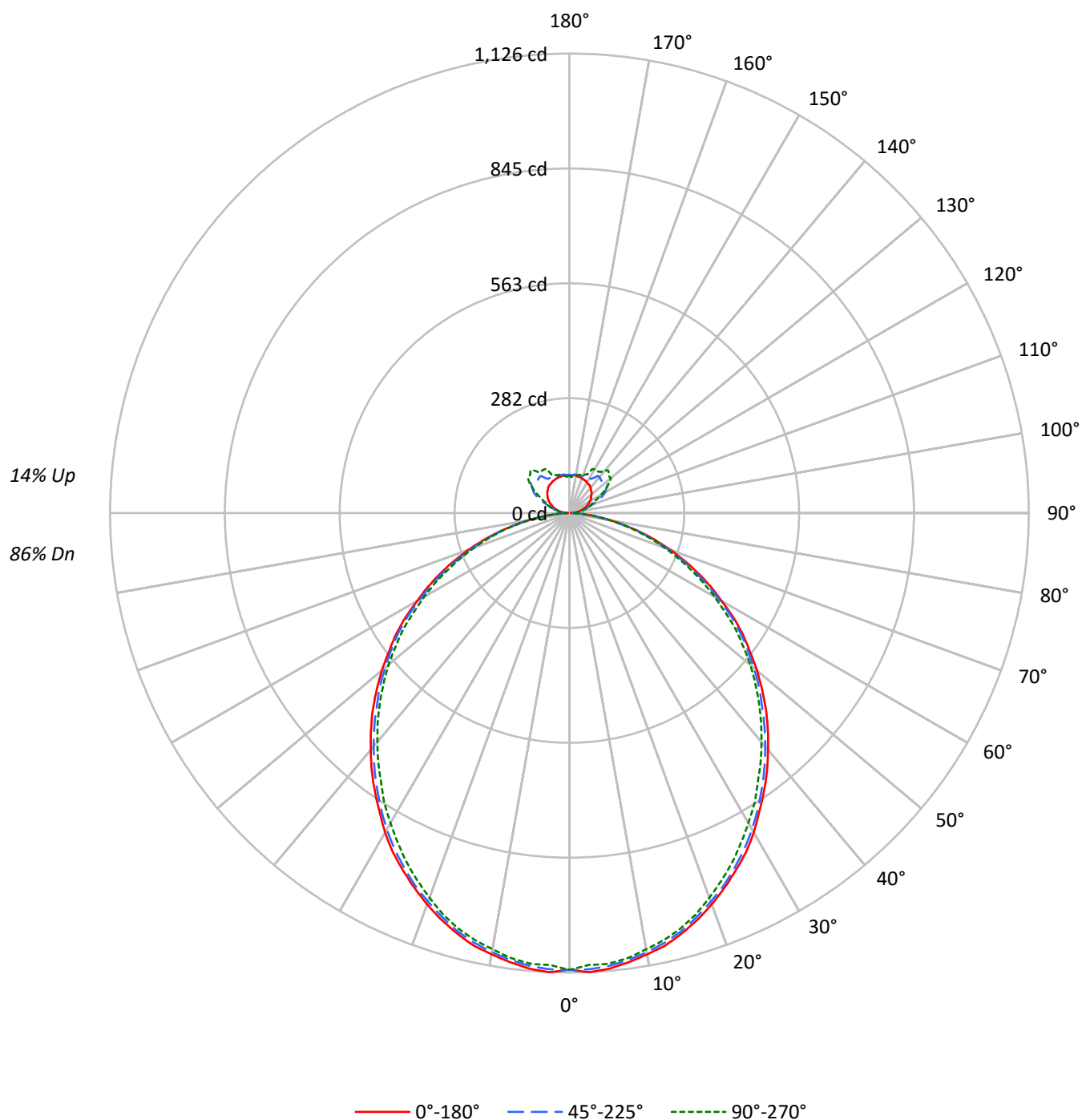
Input Watts (W): 36.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	104	104	104		96	96	96		90
1	106	101	97	94	102	98	94	91	91	88	85		85	83	80		79
2	97	89	82	77	93	86	80	75	80	75	71		75	71	67		70
3	88	78	70	64	85	75	68	62	71	65	60		66	61	57		62
4	81	69	61	54	77	67	59	53	63	56	51		59	53	49		55
5	74	62	53	47	71	60	52	46	56	49	44		53	47	42		50
6	69	56	47	41	66	54	46	40	51	44	39		48	42	37		45
7	64	51	42	36	61	49	41	36	46	39	34		44	38	33		41
8	59	46	38	32	57	45	37	32	42	36	31		40	34	30		38
9	55	42	34	29	53	41	34	29	39	32	28		37	31	27		35
10	52	39	31	26	50	38	31	26	36	30	25		34	29	24		33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9034	9034	9034
5°	9083	9026	8983
10°	9000	8957	8898
15°	8910	8866	8807
20°	8765	8704	8613
25°	8600	8537	8411
30°	8424	8342	8177
35°	8194	8106	7932
40°	7980	7868	7719
45°	7778	7617	7496
50°	7537	7404	7271
55°	7303	7205	7006
60°	6954	6839	6641
65°	6642	6474	6271
70°	6208	6040	5832
75°	5614	5505	5340
80°	4761	4677	4593
85°	3594	3761	3594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	3.2
10°-20°	297.8	8.9
20°-30°	439.3	13.1
30°-40°	512.0	15.3
40°-50°	514.8	15.4
50°-60°	453.3	13.5
60°-70°	334.6	10.0
70°-80°	185.4	5.5
80°-90°	48.3	1.4
90°-100°	17.2	0.5
100°-110°	44.2	1.3
110°-120°	71.8	2.1
120°-130°	89.7	2.7
130°-140°	84.3	2.5
140°-150°	66.5	2.0
150°-160°	45.8	1.4
160°-170°	27.0	0.8
170°-180°	8.9	0.3
0°-30°	842.5	25.2
0°-40°	1354.5	40.5
0°-60°	2322.6	69.4
0°-90°	2890.9	86.4
90°-120°	133.2	4.0
90°-150°	373.7	11.2
90°-180°	455.0	13.6
0°-180°	3346.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1121	1108	1114	1110	1108	106
15°	1066	1056	1061	1056	1054	300
25°	966	957	958	946	944	445
35°	831	824	822	808	805	520
45°	681	674	667	658	657	525
55°	519	514	512	501	498	463
65°	348	344	339	332	328	344
75°	180	178	176	171	171	191
85°	39	41	41	39	39	45
90°	4	7	7	7	7	4
95°	12	14	16	16	16	13
105°	34	46	41	44	41	35
115°	49	79	81	71	69	50
125°	65	90	111	115	113	58
135°	76	85	111	138	136	59
145°	85	88	106	122	124	53
155°	88	92	97	104	104	41
165°	92	92	97	99	97	26
175°	94	94	94	94	90	9
180°	92	92	92	92	92	



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CATALOG NUMBER: J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1119.1	1119.1	1119.1	1119.1	1119.1
2.5°	1126.1	1113.8	1119.1	1115.5	1108.5
5°	1120.8	1108.5	1113.8	1110.2	1108.5
7.5°	1110.2	1099.6	1104.9	1101.4	1099.6
10°	1097.9	1087.3	1092.6	1087.3	1085.5
12.5°	1085.5	1073.2	1078.5	1071.4	1071.4
15°	1066.1	1055.5	1060.8	1055.5	1053.8
17.5°	1044.9	1034.3	1037.9	1032.6	1030.8
20°	1020.2	1009.6	1013.2	1006.1	1002.6
22.5°	993.7	984.9	988.4	976.1	974.3
25°	965.5	956.7	958.4	946.1	944.3
27.5°	937.3	924.9	928.4	914.3	910.8
30°	903.7	893.1	894.9	880.8	877.2
32.5°	866.7	859.6	859.6	845.5	843.7
35°	831.4	824.3	822.5	808.4	804.9
37.5°	796.1	787.2	785.5	769.6	769.6
40°	757.2	750.2	746.6	734.3	732.5
42.5°	720.2	711.3	707.8	695.4	695.4
45°	681.3	674.3	667.2	658.4	656.6
47.5°	640.7	633.7	630.1	619.5	617.8
50°	600.1	594.8	589.5	580.7	578.9
52.5°	557.8	554.2	550.7	541.9	536.6
55°	518.9	513.6	511.9	501.3	497.8
57.5°	476.6	471.3	469.5	457.2	451.9
60°	430.7	425.4	423.6	413.0	411.3
62.5°	390.1	384.8	381.3	374.2	370.7
65°	347.7	344.2	338.9	331.8	328.3
67.5°	305.4	301.8	296.5	291.2	287.7
70°	263.0	259.5	255.9	248.9	247.1
72.5°	220.6	217.1	213.6	210.0	210.0
75°	180.0	178.3	176.5	171.2	171.2
77.5°	139.4	137.7	135.9	134.1	134.1
80°	102.4	102.4	100.6	98.8	98.8
82.5°	68.8	68.8	68.8	67.1	67.1
85°	38.8	40.6	40.6	38.8	38.8
87.5°	15.9	15.9	15.9	15.9	15.9
90°	3.5	7.1	7.1	7.1	7.1
92.5°	7.1	8.8	10.6	12.4	10.6
95°	12.4	14.1	15.9	15.9	15.9
97.5°	19.4	21.2	21.2	21.2	21.2
100°	24.7	28.2	26.5	28.2	26.5
102.5°	30.0	37.1	37.1	33.5	33.5
105°	33.5	45.9	40.6	44.1	40.6
107.5°	37.1	56.5	47.7	49.4	51.2
110°	42.4	63.5	58.2	53.0	54.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	45.9	77.7	68.8	61.8	60.0
115°	49.4	79.4	81.2	70.6	68.8
117.5°	54.7	79.4	91.8	83.0	79.4
120°	58.2	84.7	100.6	93.5	90.0
122.5°	61.8	88.3	105.9	105.9	102.4
125°	65.3	90.0	111.2	114.7	113.0
127.5°	67.1	84.7	120.0	125.3	123.6
130°	70.6	81.2	118.3	127.1	132.4
132.5°	74.1	83.0	114.7	128.9	132.4
135°	75.9	84.7	111.2	137.7	135.9
137.5°	77.7	86.5	113.0	132.4	141.2
140°	81.2	86.5	114.7	125.3	135.9
142.5°	83.0	88.3	114.7	120.0	127.1
145°	84.7	88.3	105.9	121.8	123.6
147.5°	84.7	90.0	98.8	123.6	123.6
150°	86.5	90.0	98.8	123.6	123.6
152.5°	88.3	91.8	97.1	107.7	121.8
155°	88.3	91.8	97.1	104.1	104.1
157.5°	90.0	91.8	97.1	102.4	102.4
160°	90.0	91.8	97.1	100.6	98.8
162.5°	91.8	91.8	95.3	98.8	97.1
165°	91.8	91.8	97.1	98.8	97.1
167.5°	91.8	93.5	95.3	97.1	95.3
170°	93.5	93.5	95.3	95.3	93.5
172.5°	93.5	93.5	95.3	93.5	91.8
175°	93.5	93.5	93.5	93.5	90.0
177.5°	93.5	91.8	93.5	91.8	88.3
180°	91.8	91.8	91.8	91.8	91.8

(END OF REPORT)