

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: P274928

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274928
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-40L92765-1D-UNV-W2A-DLED-W-4 (3000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2970.8 lumens
Efficiency: N/A
Efficacy: 81.6 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

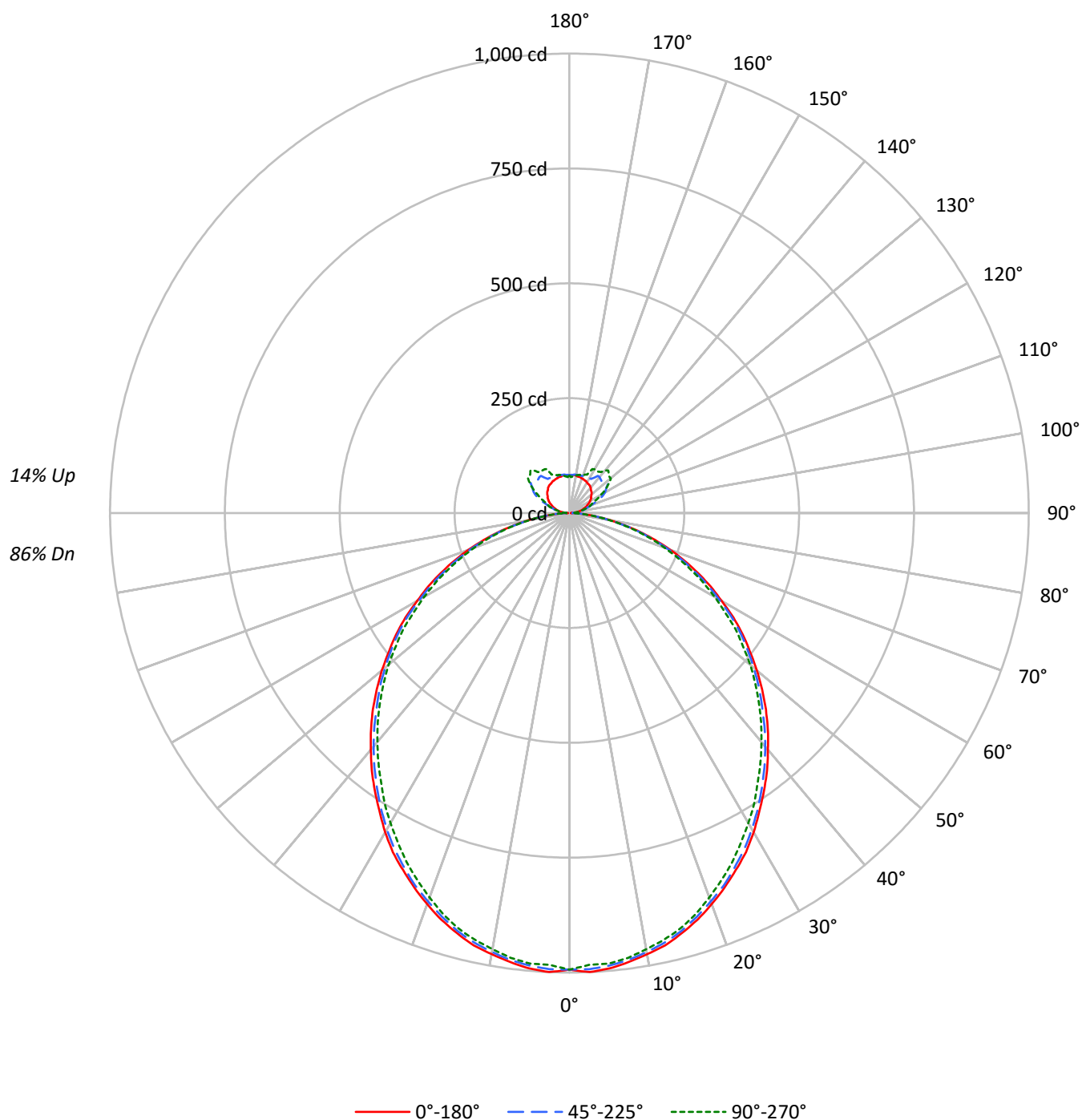
Input Watts (W): 36.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274928

CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P274928

CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-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
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°	8020	8020	8020
5°	8064	8013	7975
10°	7990	7952	7900
15°	7911	7871	7819
20°	7781	7728	7647
25°	7636	7579	7468
30°	7479	7406	7260
35°	7274	7196	7043
40°	7085	6986	6853
45°	6906	6762	6655
50°	6692	6574	6455
55°	6484	6396	6220
60°	6174	6072	5895
65°	5897	5748	5568
70°	5511	5363	5179
75°	4984	4888	4741
80°	4226	4152	4082
85°	3196	3335	3196



TEST NUMBER: P274928

CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	3.2
10°-20°	264.4	8.9
20°-30°	390.0	13.1
30°-40°	454.5	15.3
40°-50°	457.0	15.4
50°-60°	402.5	13.5
60°-70°	297.1	10.0
70°-80°	164.6	5.5
80°-90°	42.8	1.4
90°-100°	15.2	0.5
100°-110°	39.3	1.3
110°-120°	63.8	2.1
120°-130°	79.7	2.7
130°-140°	74.8	2.5
140°-150°	59.0	2.0
150°-160°	40.7	1.4
160°-170°	24.0	0.8
170°-180°	7.9	0.3
0°-30°	748.0	25.2
0°-40°	1202.5	40.5
0°-60°	2062.0	69.4
0°-90°	2566.5	86.4
90°-120°	118.3	4.0
90°-150°	331.8	11.2
90°-180°	404.0	13.6
0°-180°	2970.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	994	994	994	994	994	
5°	995	984	989	986	984	94
15°	946	937	942	937	936	267
25°	857	849	851	840	838	395
35°	738	732	730	718	715	462
45°	605	599	592	584	583	466
55°	461	456	454	445	442	411
65°	309	306	301	295	292	305
75°	160	158	157	152	152	169
85°	34	36	36	34	34	40
90°	3	6	6	6	6	4
95°	11	12	14	14	14	12
105°	30	41	36	39	36	31
115°	44	70	72	63	61	44
125°	58	80	99	102	100	51
135°	67	75	99	122	121	52
145°	75	78	94	108	110	47
155°	78	82	86	92	92	36
165°	82	82	86	88	86	23
175°	83	83	83	83	80	8
180°	82	82	82	82	82	



TEST NUMBER: P274928

CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	993.5	993.5	993.5	993.5	993.5
2.5°	999.8	988.8	993.5	990.4	984.1
5°	995.1	984.1	988.8	985.7	984.1
7.5°	985.7	976.3	981.0	977.8	976.3
10°	974.7	965.3	970.0	965.3	963.7
12.5°	963.7	952.8	957.5	951.2	951.2
15°	946.5	937.1	941.8	937.1	935.5
17.5°	927.7	918.3	921.4	916.7	915.1
20°	905.7	896.3	899.5	893.2	890.1
22.5°	882.2	874.4	877.5	866.6	865.0
25°	857.2	849.3	850.9	839.9	838.4
27.5°	832.1	821.1	824.3	811.7	808.6
30°	802.3	792.9	794.5	782.0	778.8
32.5°	769.4	763.1	763.1	750.6	749.0
35°	738.1	731.8	730.2	717.7	714.6
37.5°	706.7	698.9	697.3	683.2	683.2
40°	672.3	666.0	662.9	651.9	650.3
42.5°	639.4	631.5	628.4	617.4	617.4
45°	604.9	598.6	592.3	584.5	582.9
47.5°	568.8	562.6	559.4	550.0	548.5
50°	532.8	528.1	523.4	515.6	514.0
52.5°	495.2	492.0	488.9	481.1	476.4
55°	460.7	456.0	454.4	445.0	441.9
57.5°	423.1	418.4	416.8	405.9	401.2
60°	382.4	377.7	376.1	366.7	365.1
62.5°	346.3	341.6	338.5	332.2	329.1
65°	308.7	305.6	300.9	294.6	291.5
67.5°	271.1	268.0	263.3	258.6	255.4
70°	233.5	230.4	227.2	221.0	219.4
72.5°	195.9	192.7	189.6	186.5	186.5
75°	159.8	158.3	156.7	152.0	152.0
77.5°	123.8	122.2	120.7	119.1	119.1
80°	90.9	90.9	89.3	87.8	87.8
82.5°	61.1	61.1	61.1	59.5	59.5
85°	34.5	36.0	36.0	34.5	34.5
87.5°	14.1	14.1	14.1	14.1	14.1
90°	3.1	6.3	6.3	6.3	6.3
92.5°	6.3	7.8	9.4	11.0	9.4
95°	11.0	12.5	14.1	14.1	14.1
97.5°	17.2	18.8	18.8	18.8	18.8
100°	21.9	25.1	23.5	25.1	23.5
102.5°	26.6	32.9	32.9	29.8	29.8
105°	29.8	40.7	36.0	39.2	36.0
107.5°	32.9	50.1	42.3	43.9	45.4
110°	37.6	56.4	51.7	47.0	48.6



TEST NUMBER: P274928

CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	40.7	68.9	61.1	54.8	53.3
115°	43.9	70.5	72.1	62.7	61.1
117.5°	48.6	70.5	81.5	73.7	70.5
120°	51.7	75.2	89.3	83.1	79.9
122.5°	54.8	78.4	94.0	94.0	90.9
125°	58.0	79.9	98.7	101.9	100.3
127.5°	59.5	75.2	106.6	111.3	109.7
130°	62.7	72.1	105.0	112.8	117.5
132.5°	65.8	73.7	101.9	114.4	117.5
135°	67.4	75.2	98.7	122.2	120.7
137.5°	68.9	76.8	100.3	117.5	125.4
140°	72.1	76.8	101.9	111.3	120.7
142.5°	73.7	78.4	101.9	106.6	112.8
145°	75.2	78.4	94.0	108.1	109.7
147.5°	75.2	79.9	87.8	109.7	109.7
150°	76.8	79.9	87.8	109.7	109.7
152.5°	78.4	81.5	86.2	95.6	108.1
155°	78.4	81.5	86.2	92.5	92.5
157.5°	79.9	81.5	86.2	90.9	90.9
160°	79.9	81.5	86.2	89.3	87.8
162.5°	81.5	81.5	84.6	87.8	86.2
165°	81.5	81.5	86.2	87.8	86.2
167.5°	81.5	83.1	84.6	86.2	84.6
170°	83.1	83.1	84.6	84.6	83.1
172.5°	83.1	83.1	84.6	83.1	81.5
175°	83.1	83.1	83.1	83.1	79.9
177.5°	83.1	81.5	83.1	81.5	78.4
180°	81.5	81.5	81.5	81.5	81.5

(END OF REPORT)