

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: P274932

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274932
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3368.2 lumens
Efficiency: N/A
Efficacy: 89.8 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

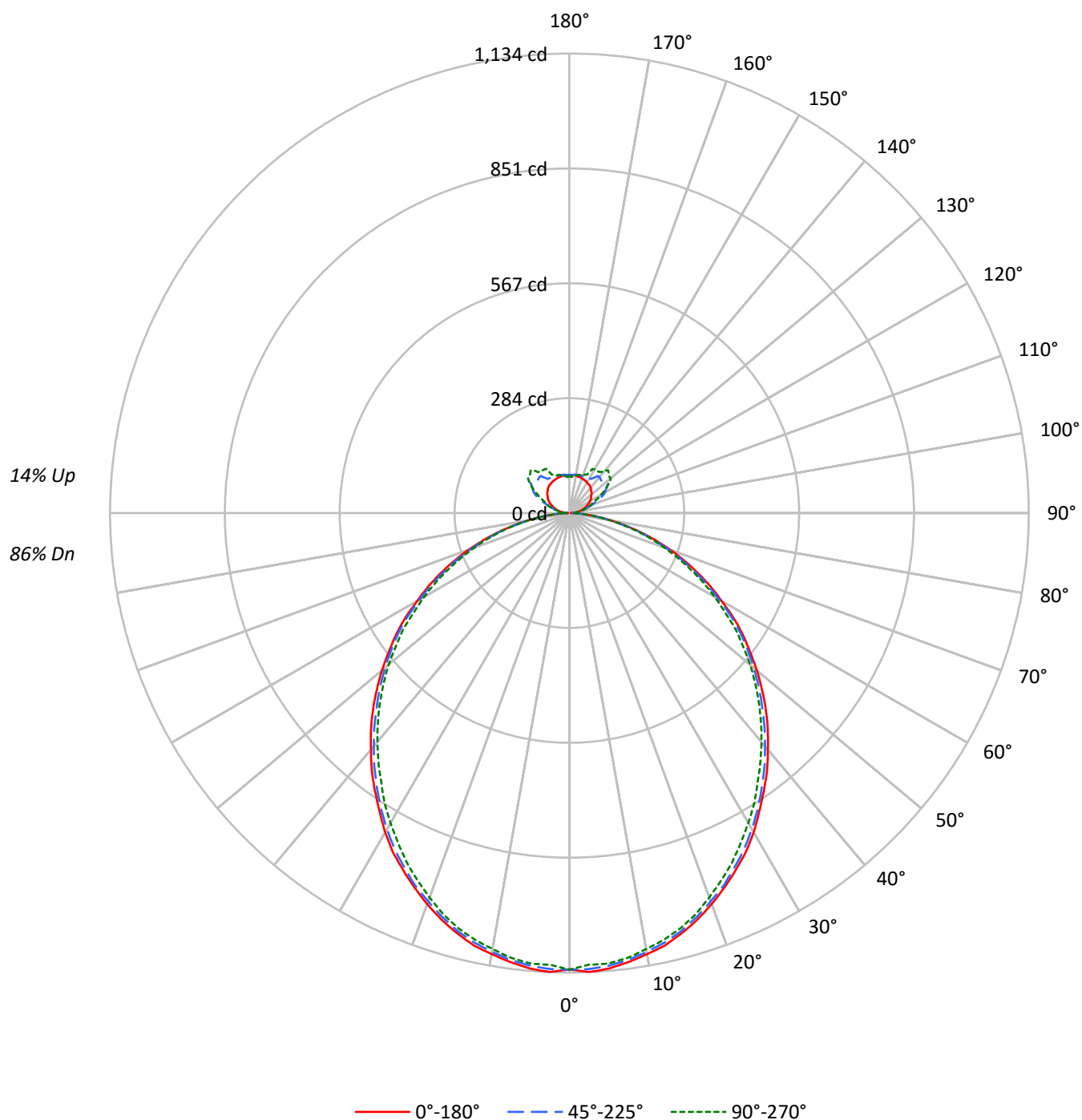
Input Watts (W): 37.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9093	9093	9093
5°	9143	9084	9041
10°	9059	9015	8957
15°	8969	8924	8864
20°	8822	8761	8669
25°	8656	8593	8467
30°	8479	8396	8231
35°	8247	8159	7984
40°	8032	7920	7770
45°	7830	7668	7545
50°	7587	7453	7318
55°	7351	7251	7051
60°	6999	6885	6684
65°	6686	6516	6313
70°	6248	6080	5870
75°	5652	5543	5374
80°	4788	4709	4626
85°	3622	3788	3622



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	3.2
10°-20°	299.8	8.9
20°-30°	442.1	13.1
30°-40°	515.3	15.3
40°-50°	518.1	15.4
50°-60°	456.3	13.5
60°-70°	336.8	10.0
70°-80°	186.6	5.5
80°-90°	48.6	1.4
90°-100°	17.3	0.5
100°-110°	44.5	1.3
110°-120°	72.3	2.1
120°-130°	90.3	2.7
130°-140°	84.8	2.5
140°-150°	66.9	2.0
150°-160°	46.1	1.4
160°-170°	27.2	0.8
170°-180°	9.0	0.3
0°-30°	848.0	25.2
0°-40°	1363.4	40.5
0°-60°	2337.8	69.4
0°-90°	2909.8	86.4
90°-120°	134.1	4.0
90°-150°	376.1	11.2
90°-180°	458.0	13.6
0°-180°	3368.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1128	1116	1121	1118	1116	107
15°	1073	1062	1068	1062	1061	302
25°	972	963	965	952	950	448
35°	837	830	828	814	810	524
45°	686	679	672	663	661	529
55°	522	517	515	505	501	466
65°	350	346	341	334	330	346
75°	181	179	178	172	172	192
85°	39	41	41	39	39	46
90°	4	7	7	7	7	4
95°	12	14	16	16	16	13
105°	34	46	41	44	41	36
115°	50	80	82	71	69	50
125°	66	91	112	116	114	58
135°	76	85	112	139	137	59
145°	85	89	107	123	124	53
155°	89	92	98	105	105	41
165°	92	92	98	100	98	26
175°	94	94	94	94	91	9
180°	92	92	92	92	92	



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CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1126.4	1126.4	1126.4	1126.4	1126.4
2.5°	1133.5	1121.0	1126.4	1122.8	1115.7
5°	1128.2	1115.7	1121.0	1117.5	1115.7
7.5°	1117.5	1106.8	1112.2	1108.6	1106.8
10°	1105.1	1094.4	1099.7	1094.4	1092.6
12.5°	1092.6	1080.2	1085.5	1078.4	1078.4
15°	1073.1	1062.4	1067.7	1062.4	1060.6
17.5°	1051.8	1041.1	1044.7	1039.3	1037.5
20°	1026.9	1016.2	1019.8	1012.7	1009.1
22.5°	1000.2	991.4	994.9	982.5	980.7
25°	971.8	962.9	964.7	952.3	950.5
27.5°	943.4	930.9	934.5	920.3	916.7
30°	909.6	899.0	900.7	886.5	883.0
32.5°	872.3	865.2	865.2	851.0	849.2
35°	836.8	829.7	827.9	813.7	810.1
37.5°	801.3	792.4	790.6	774.6	774.6
40°	762.2	755.1	751.5	739.1	737.3
42.5°	724.9	716.0	712.4	700.0	700.0
45°	685.8	678.7	671.6	662.7	660.9
47.5°	644.9	637.8	634.3	623.6	621.8
50°	604.1	598.7	593.4	584.5	582.7
52.5°	561.4	557.9	554.3	545.4	540.1
55°	522.3	517.0	515.2	504.6	501.0
57.5°	479.7	474.4	472.6	460.1	454.8
60°	433.5	428.2	426.4	415.7	414.0
62.5°	392.6	387.3	383.7	376.6	373.1
65°	350.0	346.4	341.1	334.0	330.5
67.5°	307.4	303.8	298.5	293.1	289.6
70°	264.7	261.2	257.6	250.5	248.7
72.5°	222.1	218.5	215.0	211.4	211.4
75°	181.2	179.4	177.7	172.3	172.3
77.5°	140.4	138.6	136.8	135.0	135.0
80°	103.0	103.0	101.3	99.5	99.5
82.5°	69.3	69.3	69.3	67.5	67.5
85°	39.1	40.9	40.9	39.1	39.1
87.5°	16.0	16.0	16.0	16.0	16.0
90°	3.6	7.1	7.1	7.1	7.1
92.5°	7.1	8.9	10.7	12.4	10.7
95°	12.4	14.2	16.0	16.0	16.0
97.5°	19.5	21.3	21.3	21.3	21.3
100°	24.9	28.4	26.6	28.4	26.6
102.5°	30.2	37.3	37.3	33.8	33.8
105°	33.8	46.2	40.9	44.4	40.9
107.5°	37.3	56.9	48.0	49.7	51.5
110°	42.6	64.0	58.6	53.3	55.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	46.2	78.2	69.3	62.2	60.4
115°	49.7	79.9	81.7	71.1	69.3
117.5°	55.1	79.9	92.4	83.5	79.9
120°	58.6	85.3	101.3	94.2	90.6
122.5°	62.2	88.8	106.6	106.6	103.0
125°	65.7	90.6	111.9	115.5	113.7
127.5°	67.5	85.3	120.8	126.1	124.4
130°	71.1	81.7	119.0	127.9	133.2
132.5°	74.6	83.5	115.5	129.7	133.2
135°	76.4	85.3	111.9	138.6	136.8
137.5°	78.2	87.1	113.7	133.2	142.1
140°	81.7	87.1	115.5	126.1	136.8
142.5°	83.5	88.8	115.5	120.8	127.9
145°	85.3	88.8	106.6	122.6	124.4
147.5°	85.3	90.6	99.5	124.4	124.4
150°	87.1	90.6	99.5	124.4	124.4
152.5°	88.8	92.4	97.7	108.4	122.6
155°	88.8	92.4	97.7	104.8	104.8
157.5°	90.6	92.4	97.7	103.0	103.0
160°	90.6	92.4	97.7	101.3	99.5
162.5°	92.4	92.4	95.9	99.5	97.7
165°	92.4	92.4	97.7	99.5	97.7
167.5°	92.4	94.2	95.9	97.7	95.9
170°	94.2	94.2	95.9	95.9	94.2
172.5°	94.2	94.2	95.9	94.2	92.4
175°	94.2	94.2	94.2	94.2	90.6
177.5°	94.2	92.4	94.2	92.4	88.8
180°	92.4	92.4	92.4	92.4	92.4

(END OF REPORT)