

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: P274929

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274929
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3120.3 lumens
Efficiency: N/A
Efficacy: 84.8 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

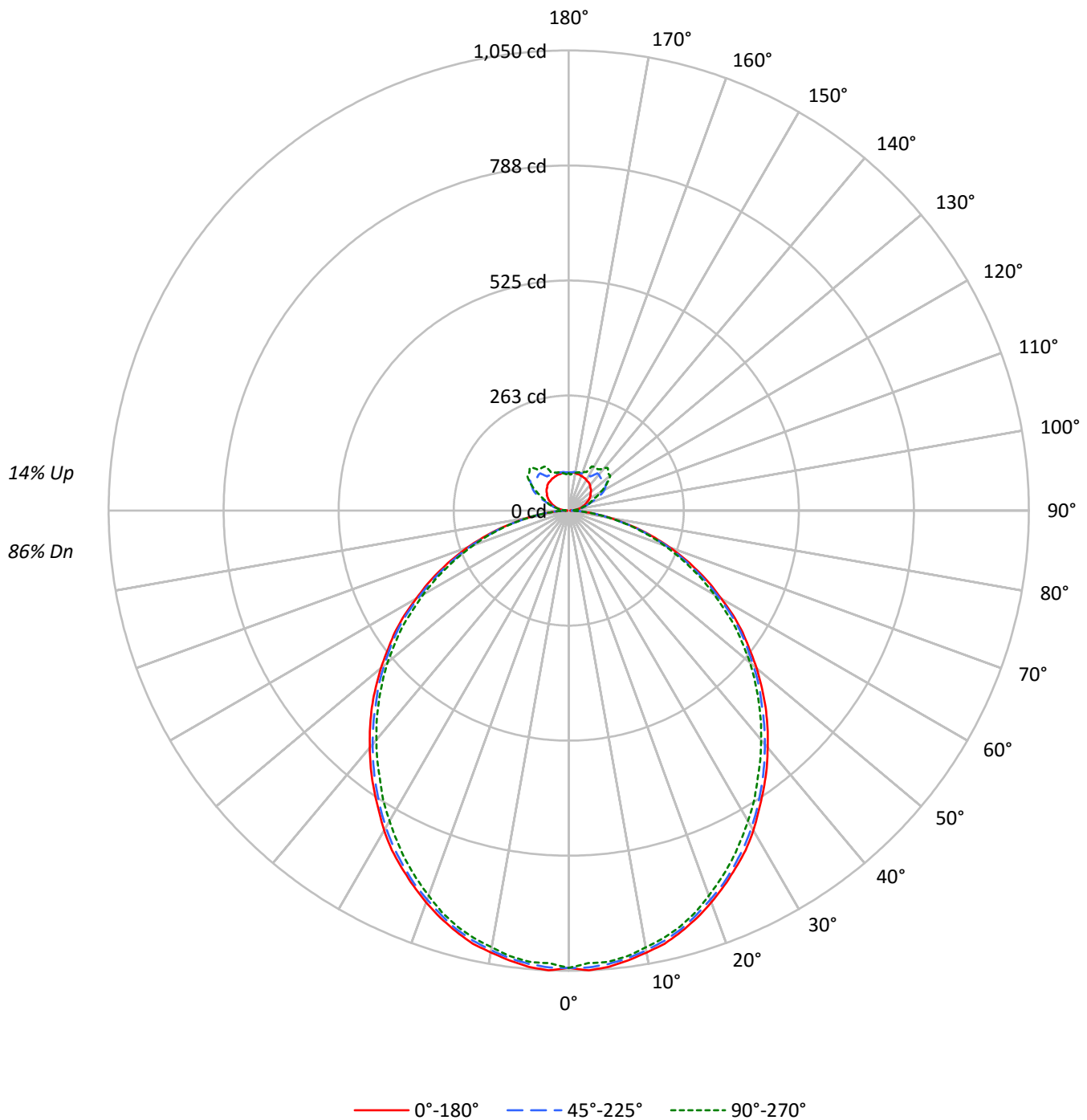
Input Watts (W): 36.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	86			
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76	73			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61			
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54	52			
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44			
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34			
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32	30			
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29	27			
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26	24			
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24	22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8424	8424	8424
5°	8469	8416	8376
10°	8392	8352	8297
15°	8308	8267	8212
20°	8173	8116	8032
25°	8019	7961	7843
30°	7856	7779	7625
35°	7640	7559	7396
40°	7441	7337	7198
45°	7253	7102	6991
50°	7028	6904	6779
55°	6811	6718	6532
60°	6484	6378	6192
65°	6193	6036	5847
70°	5788	5634	5438
75°	5237	5134	4978
80°	4440	4361	4286
85°	3353	3511	3353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	3.2
10°-20°	277.7	8.9
20°-30°	409.6	13.1
30°-40°	477.4	15.3
40°-50°	480.0	15.4
50°-60°	422.7	13.5
60°-70°	312.0	10.0
70°-80°	172.9	5.5
80°-90°	45.0	1.4
90°-100°	16.0	0.5
100°-110°	41.3	1.3
110°-120°	67.0	2.1
120°-130°	83.7	2.7
130°-140°	78.6	2.5
140°-150°	62.0	2.0
150°-160°	42.7	1.4
160°-170°	25.2	0.8
170°-180°	8.3	0.3
0°-30°	785.6	25.2
0°-40°	1263.0	40.5
0°-60°	2165.7	69.4
0°-90°	2695.6	86.4
90°-120°	124.2	4.0
90°-150°	348.5	11.2
90°-180°	425.0	13.6
0°-180°	3120.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	1045	1034	1038	1035	1034	99
15°	994	984	989	984	983	280
25°	900	892	894	882	880	415
35°	775	769	767	754	750	485
45°	635	629	622	614	612	490
55°	484	479	477	467	464	431
65°	324	321	316	309	306	321
75°	168	166	165	160	160	178
85°	36	38	38	36	36	42
90°	3	7	7	7	7	4
95°	12	13	15	15	15	12
105°	31	43	38	41	38	33
115°	46	74	76	66	64	46
125°	61	84	104	107	105	54
135°	71	79	104	128	127	55
145°	79	82	99	114	115	49
155°	82	86	90	97	97	38
165°	86	86	90	92	90	24
175°	87	87	87	87	84	8
180°	86	86	86	86	86	



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CATALOG NUMBER: J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1043.5	1043.5	1043.5	1043.5	1043.5
2.5°	1050.1	1038.5	1043.5	1040.2	1033.6
5°	1045.1	1033.6	1038.5	1035.3	1033.6
7.5°	1035.3	1025.4	1030.3	1027.0	1025.4
10°	1023.7	1013.9	1018.8	1013.9	1012.2
12.5°	1012.2	1000.7	1005.6	999.0	999.0
15°	994.1	984.2	989.2	984.2	982.6
17.5°	974.4	964.5	967.8	962.8	961.2
20°	951.3	941.4	944.7	938.1	934.9
22.5°	926.6	918.4	921.7	910.2	908.5
25°	900.3	892.1	893.7	882.2	880.5
27.5°	874.0	862.4	865.7	852.6	849.3
30°	842.7	832.8	834.5	821.3	818.0
32.5°	808.1	801.5	801.5	788.4	786.7
35°	775.2	768.6	767.0	753.8	750.5
37.5°	742.3	734.1	732.4	717.6	717.6
40°	706.1	699.5	696.2	684.7	683.0
42.5°	671.5	663.3	660.0	648.5	648.5
45°	635.3	628.7	622.1	613.9	612.3
47.5°	597.5	590.9	587.6	577.7	576.1
50°	559.6	554.7	549.7	541.5	539.8
52.5°	520.1	516.8	513.5	505.3	500.3
55°	483.9	478.9	477.3	467.4	464.1
57.5°	444.4	439.4	437.8	426.3	421.3
60°	401.6	396.7	395.0	385.1	383.5
62.5°	363.7	358.8	355.5	348.9	345.6
65°	324.2	320.9	316.0	309.4	306.1
67.5°	284.7	281.4	276.5	271.6	268.3
70°	245.2	241.9	238.7	232.1	230.4
72.5°	205.7	202.4	199.2	195.9	195.9
75°	167.9	166.2	164.6	159.6	159.6
77.5°	130.0	128.4	126.7	125.1	125.1
80°	95.5	95.5	93.8	92.2	92.2
82.5°	64.2	64.2	64.2	62.5	62.5
85°	36.2	37.9	37.9	36.2	36.2
87.5°	14.8	14.8	14.8	14.8	14.8
90°	3.3	6.6	6.6	6.6	6.6
92.5°	6.6	8.2	9.9	11.5	9.9
95°	11.5	13.2	14.8	14.8	14.8
97.5°	18.1	19.8	19.8	19.8	19.8
100°	23.0	26.3	24.7	26.3	24.7
102.5°	28.0	34.6	34.6	31.3	31.3
105°	31.3	42.8	37.9	41.1	37.9
107.5°	34.6	52.7	44.4	46.1	47.7
110°	39.5	59.3	54.3	49.4	51.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	42.8	72.4	64.2	57.6	56.0
115°	46.1	74.1	75.7	65.8	64.2
117.5°	51.0	74.1	85.6	77.4	74.1
120°	54.3	79.0	93.8	87.2	83.9
122.5°	57.6	82.3	98.8	98.8	95.5
125°	60.9	83.9	103.7	107.0	105.3
127.5°	62.5	79.0	111.9	116.9	115.2
130°	65.8	75.7	110.3	118.5	123.4
132.5°	69.1	77.4	107.0	120.1	123.4
135°	70.8	79.0	103.7	128.4	126.7
137.5°	72.4	80.6	105.3	123.4	131.7
140°	75.7	80.6	107.0	116.9	126.7
142.5°	77.4	82.3	107.0	111.9	118.5
145°	79.0	82.3	98.8	113.6	115.2
147.5°	79.0	83.9	92.2	115.2	115.2
150°	80.6	83.9	92.2	115.2	115.2
152.5°	82.3	85.6	90.5	100.4	113.6
155°	82.3	85.6	90.5	97.1	97.1
157.5°	83.9	85.6	90.5	95.5	95.5
160°	83.9	85.6	90.5	93.8	92.2
162.5°	85.6	85.6	88.9	92.2	90.5
165°	85.6	85.6	90.5	92.2	90.5
167.5°	85.6	87.2	88.9	90.5	88.9
170°	87.2	87.2	88.9	88.9	87.2
172.5°	87.2	87.2	88.9	87.2	85.6
175°	87.2	87.2	87.2	87.2	83.9
177.5°	87.2	85.6	87.2	85.6	82.3
180°	85.6	85.6	85.6	85.6	85.6

(END OF REPORT)