

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: P274870

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274870
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-20L92765-1D-UNV-W2A-DLED-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1785.2 lumens
Efficiency: N/A
Efficacy: 100.3 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

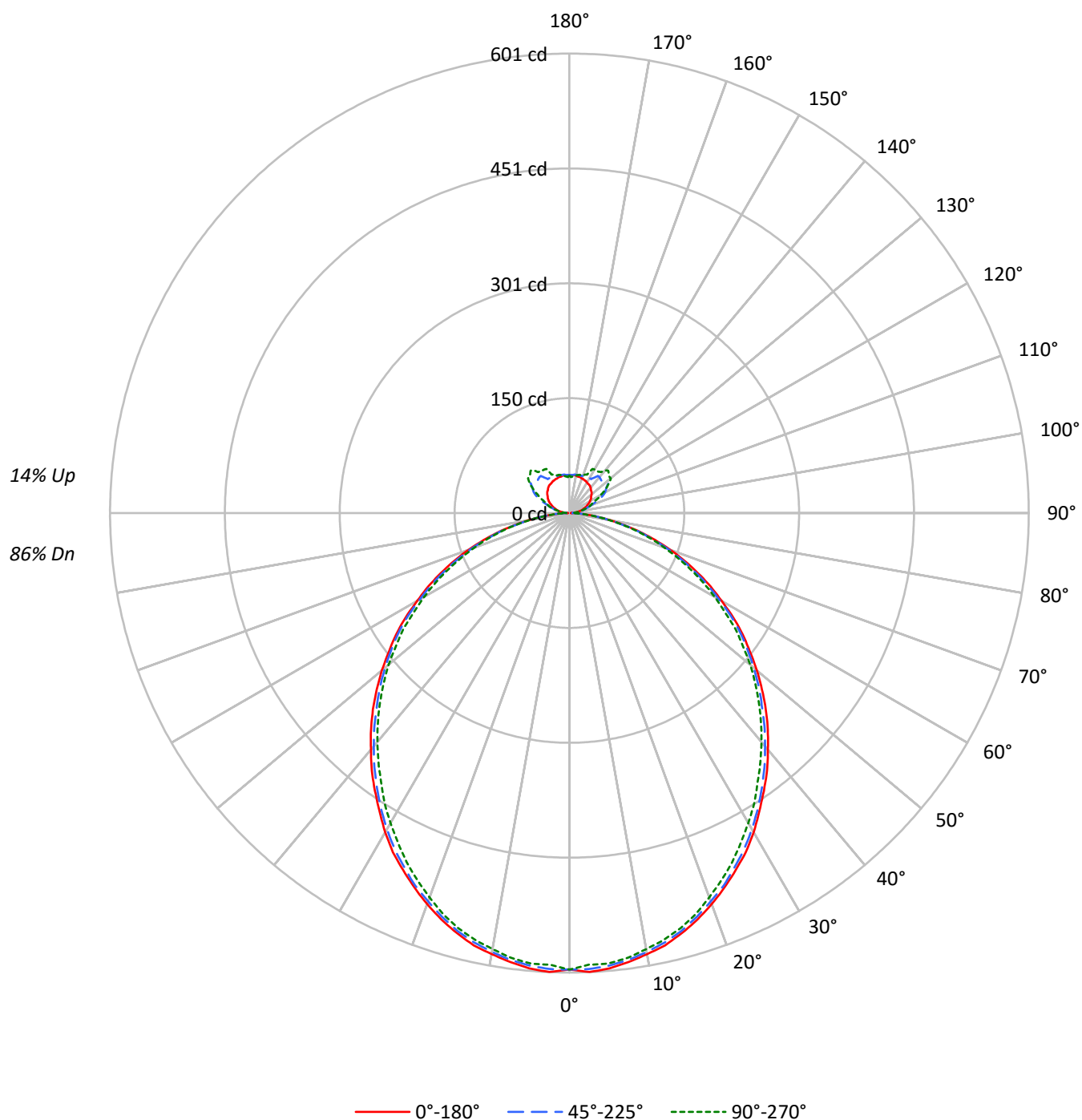
Input Watts (W): 17.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274870

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P274870

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (6500K)

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°	4820	4820	4820
5°	4845	4815	4792
10°	4801	4778	4747
15°	4753	4730	4698
20°	4676	4643	4594
25°	4588	4554	4488
30°	4494	4450	4363
35°	4371	4324	4232
40°	4258	4197	4118
45°	4150	4063	3999
50°	4021	3950	3880
55°	3896	3844	3737
60°	3710	3649	3542
65°	3543	3454	3345
70°	3312	3222	3111
75°	2994	2938	2848
80°	2538	2497	2450
85°	1917	2010	1917



TEST NUMBER: P274870

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	3.2
10°-20°	158.9	8.9
20°-30°	234.3	13.1
30°-40°	273.1	15.3
40°-50°	274.6	15.4
50°-60°	241.8	13.5
60°-70°	178.5	10.0
70°-80°	98.9	5.5
80°-90°	25.8	1.4
90°-100°	9.2	0.5
100°-110°	23.6	1.3
110°-120°	38.3	2.1
120°-130°	47.9	2.7
130°-140°	45.0	2.5
140°-150°	35.4	2.0
150°-160°	24.4	1.4
160°-170°	14.4	0.8
170°-180°	4.8	0.3
0°-30°	449.5	25.2
0°-40°	722.6	40.5
0°-60°	1239.1	69.4
0°-90°	1542.2	86.4
90°-120°	71.1	4.0
90°-150°	199.4	11.2
90°-180°	243.0	13.6
0°-180°	1785.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	598	591	594	592	591	57
15°	569	563	566	563	562	160
25°	515	510	511	505	504	237
35°	444	440	439	431	429	278
45°	364	360	356	351	350	280
55°	277	274	273	267	266	247
65°	186	184	181	177	175	183
75°	96	95	94	91	91	102
85°	21	22	22	21	21	24
90°	2	4	4	4	4	2
95°	7	8	8	8	8	7
105°	18	24	22	24	22	19
115°	26	42	43	38	37	26
125°	35	48	59	61	60	31
135°	40	45	59	73	72	31
145°	45	47	56	65	66	28
155°	47	49	52	56	56	22
165°	49	49	52	53	52	14
175°	50	50	50	50	48	5
180°	49	49	49	49	49	



TEST NUMBER: P274870

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	597.0	597.0	597.0	597.0	597.0
2.5°	600.8	594.2	597.0	595.1	591.3
5°	597.9	591.3	594.2	592.3	591.3
7.5°	592.3	586.6	589.5	587.6	586.6
10°	585.7	580.0	582.9	580.0	579.1
12.5°	579.1	572.5	575.3	571.6	571.6
15°	568.7	563.1	565.9	563.1	562.1
17.5°	557.4	551.8	553.7	550.8	549.9
20°	544.3	538.6	540.5	536.7	534.8
22.5°	530.1	525.4	527.3	520.7	519.8
25°	515.1	510.4	511.3	504.7	503.8
27.5°	500.0	493.4	495.3	487.8	485.9
30°	482.1	476.5	477.4	469.9	468.0
32.5°	462.3	458.6	458.6	451.0	450.1
35°	443.5	439.7	438.8	431.3	429.4
37.5°	424.7	420.0	419.0	410.5	410.5
40°	404.0	400.2	398.3	391.7	390.8
42.5°	384.2	379.5	377.6	371.0	371.0
45°	363.5	359.7	355.9	351.2	350.3
47.5°	341.8	338.0	336.2	330.5	329.6
50°	320.2	317.3	314.5	309.8	308.9
52.5°	297.6	295.7	293.8	289.1	286.3
55°	276.8	274.0	273.1	267.4	265.5
57.5°	254.2	251.4	250.5	243.9	241.1
60°	229.8	226.9	226.0	220.3	219.4
62.5°	208.1	205.3	203.4	199.6	197.7
65°	185.5	183.6	180.8	177.0	175.1
67.5°	162.9	161.0	158.2	155.4	153.5
70°	140.3	138.4	136.5	132.8	131.8
72.5°	117.7	115.8	113.9	112.1	112.1
75°	96.0	95.1	94.2	91.3	91.3
77.5°	74.4	73.4	72.5	71.6	71.6
80°	54.6	54.6	53.7	52.7	52.7
82.5°	36.7	36.7	36.7	35.8	35.8
85°	20.7	21.7	21.7	20.7	20.7
87.5°	8.5	8.5	8.5	8.5	8.5
90°	1.9	3.8	3.8	3.8	3.8
92.5°	3.8	4.7	5.6	6.6	5.6
95°	6.6	7.5	8.5	8.5	8.5
97.5°	10.4	11.3	11.3	11.3	11.3
100°	13.2	15.1	14.1	15.1	14.1
102.5°	16.0	19.8	19.8	17.9	17.9
105°	17.9	24.5	21.7	23.5	21.7
107.5°	19.8	30.1	25.4	26.4	27.3
110°	22.6	33.9	31.1	28.2	29.2



TEST NUMBER: P274870

CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.5	41.4	36.7	33.0	32.0
115°	26.4	42.4	43.3	37.7	36.7
117.5°	29.2	42.4	49.0	44.3	42.4
120°	31.1	45.2	53.7	49.9	48.0
122.5°	33.0	47.1	56.5	56.5	54.6
125°	34.8	48.0	59.3	61.2	60.3
127.5°	35.8	45.2	64.0	66.9	65.9
130°	37.7	43.3	63.1	67.8	70.6
132.5°	39.5	44.3	61.2	68.7	70.6
135°	40.5	45.2	59.3	73.4	72.5
137.5°	41.4	46.1	60.3	70.6	75.3
140°	43.3	46.1	61.2	66.9	72.5
142.5°	44.3	47.1	61.2	64.0	67.8
145°	45.2	47.1	56.5	65.0	65.9
147.5°	45.2	48.0	52.7	65.9	65.9
150°	46.1	48.0	52.7	65.9	65.9
152.5°	47.1	49.0	51.8	57.4	65.0
155°	47.1	49.0	51.8	55.6	55.6
157.5°	48.0	49.0	51.8	54.6	54.6
160°	48.0	49.0	51.8	53.7	52.7
162.5°	49.0	49.0	50.8	52.7	51.8
165°	49.0	49.0	51.8	52.7	51.8
167.5°	49.0	49.9	50.8	51.8	50.8
170°	49.9	49.9	50.8	50.8	49.9
172.5°	49.9	49.9	50.8	49.9	49.0
175°	49.9	49.9	49.9	49.9	48.0
177.5°	49.9	49.0	49.9	49.0	47.1
180°	49.0	49.0	49.0	49.0	49.0

(END OF REPORT)