

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: P274897

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274897
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-30L92765-1D-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: 2344.1 lumens
Efficiency: N/A
Efficacy: 90.5 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

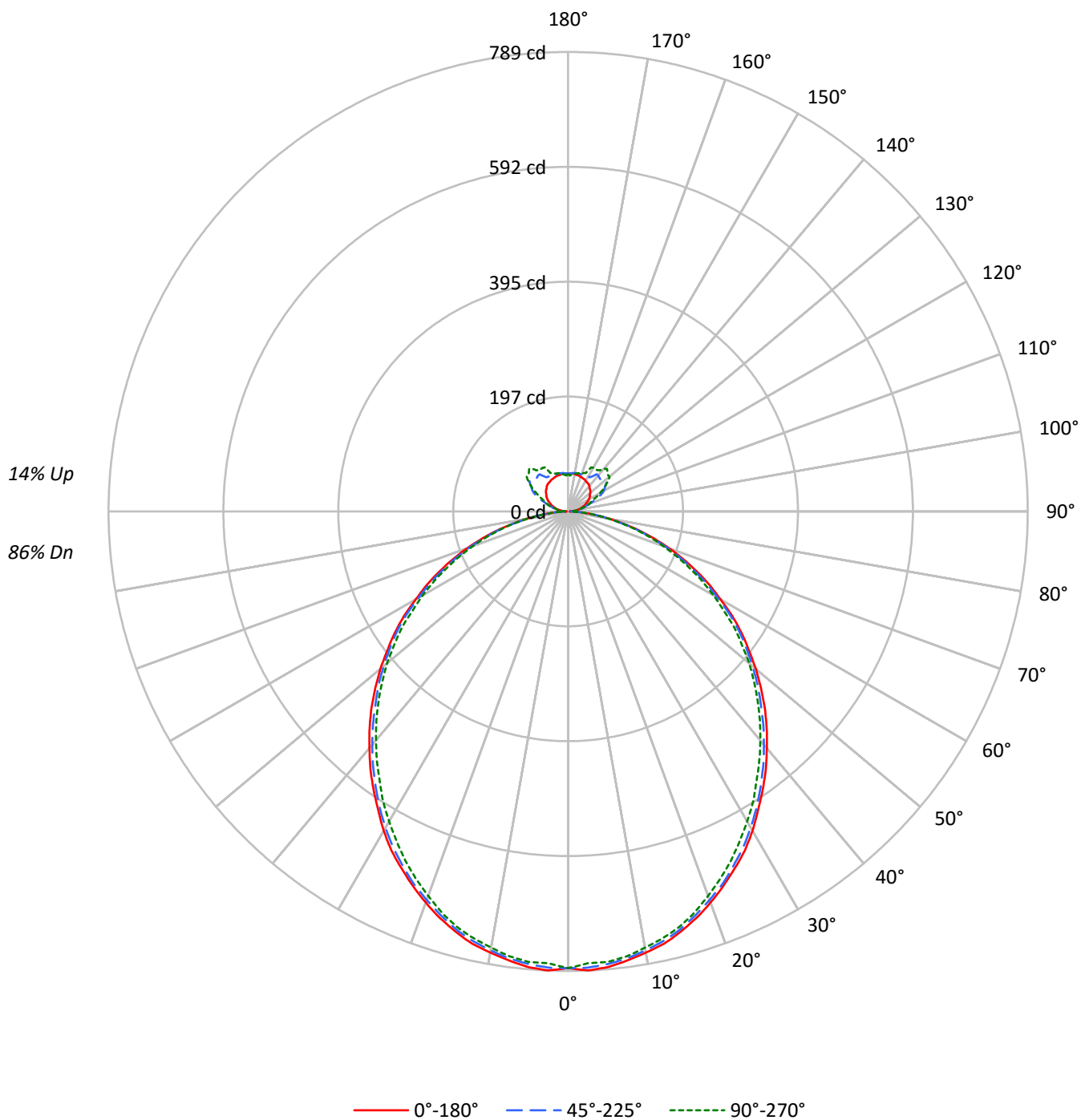
Input Watts (W): 25.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6329	6329	6329
5°	6363	6323	6293
10°	6305	6274	6234
15°	6242	6211	6170
20°	6140	6098	6033
25°	6025	5981	5892
30°	5902	5844	5728
35°	5740	5679	5557
40°	5591	5512	5408
45°	5449	5336	5252
50°	5280	5187	5094
55°	5116	5047	4908
60°	4871	4792	4652
65°	4653	4535	4394
70°	4348	4232	4086
75°	3933	3858	3740
80°	3333	3278	3217
85°	2519	2631	2519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	3.2
10°-20°	208.6	8.9
20°-30°	307.7	13.1
30°-40°	358.7	15.3
40°-50°	360.6	15.4
50°-60°	317.6	13.5
60°-70°	234.4	10.0
70°-80°	129.9	5.5
80°-90°	33.8	1.4
90°-100°	12.0	0.5
100°-110°	31.0	1.3
110°-120°	50.3	2.1
120°-130°	62.9	2.7
130°-140°	59.0	2.5
140°-150°	46.6	2.0
150°-160°	32.1	1.4
160°-170°	18.9	0.8
170°-180°	6.2	0.3
0°-30°	590.2	25.2
0°-40°	948.9	40.5
0°-60°	1627.1	69.4
0°-90°	2025.2	86.4
90°-120°	93.3	4.0
90°-150°	261.8	11.2
90°-180°	319.0	13.6
0°-180°	2344.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	785	776	780	778	776	74
15°	747	739	743	739	738	210
25°	676	670	671	663	662	312
35°	582	578	576	566	564	365
45°	477	472	467	461	460	368
55°	364	360	359	351	349	324
65°	244	241	237	232	230	241
75°	126	125	124	120	120	133
85°	27	28	28	27	27	32
90°	2	5	5	5	5	3
95°	9	10	11	11	11	9
105°	24	32	28	31	28	25
115°	35	56	57	50	48	35
125°	46	63	78	80	79	41
135°	53	59	78	96	95	41
145°	59	62	74	85	87	37
155°	62	64	68	73	73	29
165°	64	64	68	69	68	18
175°	66	66	66	66	63	6
180°	64	64	64	64	64	



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CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.0	784.0	784.0	784.0	784.0
2.5°	788.9	780.2	784.0	781.5	776.5
5°	785.2	776.5	780.2	777.8	776.5
7.5°	777.8	770.3	774.1	771.6	770.3
10°	769.1	761.7	765.4	761.7	760.5
12.5°	760.5	751.8	755.5	750.6	750.6
15°	746.9	739.4	743.1	739.4	738.2
17.5°	732.0	724.6	727.1	723.4	722.1
20°	714.7	707.3	709.8	704.8	702.3
22.5°	696.2	690.0	692.4	683.8	682.6
25°	676.4	670.2	671.4	662.8	661.5
27.5°	656.6	647.9	650.4	640.5	638.0
30°	633.1	625.7	626.9	617.0	614.5
32.5°	607.1	602.2	602.2	592.3	591.1
35°	582.4	577.5	576.2	566.3	563.9
37.5°	557.7	551.5	550.2	539.1	539.1
40°	530.5	525.5	523.0	514.4	513.2
42.5°	504.5	498.3	495.8	487.2	487.2
45°	477.3	472.3	467.4	461.2	460.0
47.5°	448.9	443.9	441.4	434.0	432.8
50°	420.4	416.7	413.0	406.8	405.6
52.5°	390.7	388.3	385.8	379.6	375.9
55°	363.5	359.8	358.6	351.2	348.7
57.5°	333.9	330.1	328.9	320.3	316.5
60°	301.7	298.0	296.8	289.3	288.1
62.5°	273.3	269.6	267.1	262.1	259.7
65°	243.6	241.1	237.4	232.5	230.0
67.5°	213.9	211.4	207.7	204.0	201.6
70°	184.2	181.8	179.3	174.3	173.1
72.5°	154.6	152.1	149.6	147.1	147.1
75°	126.1	124.9	123.7	119.9	119.9
77.5°	97.7	96.4	95.2	94.0	94.0
80°	71.7	71.7	70.5	69.2	69.2
82.5°	48.2	48.2	48.2	47.0	47.0
85°	27.2	28.4	28.4	27.2	27.2
87.5°	11.1	11.1	11.1	11.1	11.1
90°	2.5	4.9	4.9	4.9	4.9
92.5°	4.9	6.2	7.4	8.7	7.4
95°	8.7	9.9	11.1	11.1	11.1
97.5°	13.6	14.8	14.8	14.8	14.8
100°	17.3	19.8	18.5	19.8	18.5
102.5°	21.0	26.0	26.0	23.5	23.5
105°	23.5	32.1	28.4	30.9	28.4
107.5°	26.0	39.6	33.4	34.6	35.9
110°	29.7	44.5	40.8	37.1	38.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	32.1	54.4	48.2	43.3	42.0
115°	34.6	55.6	56.9	49.5	48.2
117.5°	38.3	55.6	64.3	58.1	55.6
120°	40.8	59.4	70.5	65.5	63.1
122.5°	43.3	61.8	74.2	74.2	71.7
125°	45.8	63.1	77.9	80.4	79.1
127.5°	47.0	59.4	84.1	87.8	86.6
130°	49.5	56.9	82.8	89.0	92.7
132.5°	51.9	58.1	80.4	90.3	92.7
135°	53.2	59.4	77.9	96.4	95.2
137.5°	54.4	60.6	79.1	92.7	98.9
140°	56.9	60.6	80.4	87.8	95.2
142.5°	58.1	61.8	80.4	84.1	89.0
145°	59.4	61.8	74.2	85.3	86.6
147.5°	59.4	63.1	69.2	86.6	86.6
150°	60.6	63.1	69.2	86.6	86.6
152.5°	61.8	64.3	68.0	75.4	85.3
155°	61.8	64.3	68.0	73.0	73.0
157.5°	63.1	64.3	68.0	71.7	71.7
160°	63.1	64.3	68.0	70.5	69.2
162.5°	64.3	64.3	66.8	69.2	68.0
165°	64.3	64.3	68.0	69.2	68.0
167.5°	64.3	65.5	66.8	68.0	66.8
170°	65.5	65.5	66.8	66.8	65.5
172.5°	65.5	65.5	66.8	65.5	64.3
175°	65.5	65.5	65.5	65.5	63.1
177.5°	65.5	64.3	65.5	64.3	61.8
180°	64.3	64.3	64.3	64.3	64.3

(END OF REPORT)