

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: P253294

Luminaire Tested: **J2-WL-20L835-1D-UNV-STD-DLED-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253294
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-20L835-1D-UNV-STD-DLED-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1820.5 lumens
Efficiency: N/A
Efficacy: 122.2 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

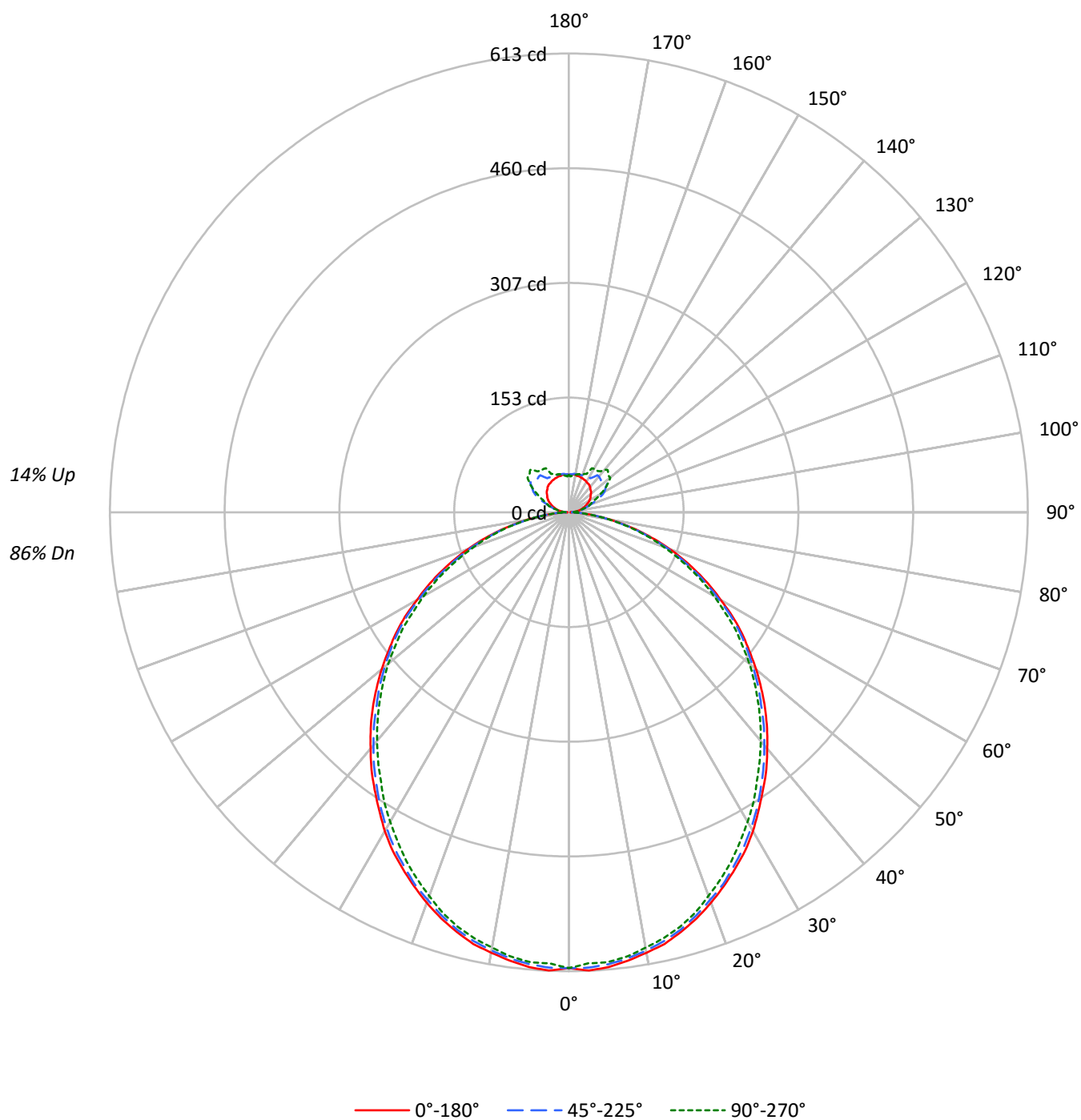
Input Watts (W): 14.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4915	4915	4915
5°	4942	4910	4887
10°	4896	4873	4841
15°	4847	4823	4791
20°	4769	4735	4686
25°	4679	4644	4577
30°	4584	4539	4449
35°	4458	4410	4316
40°	4342	4281	4200
45°	4232	4144	4078
50°	4101	4028	3956
55°	3973	3920	3811
60°	3783	3722	3612
65°	3614	3522	3412
70°	3378	3286	3172
75°	3057	2994	2904
80°	2590	2543	2501
85°	1954	2047	1954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	3.2
10°-20°	162.0	8.9
20°-30°	239.0	13.1
30°-40°	278.6	15.3
40°-50°	280.1	15.4
50°-60°	246.6	13.5
60°-70°	182.0	10.0
70°-80°	100.9	5.5
80°-90°	26.2	1.4
90°-100°	9.3	0.5
100°-110°	24.1	1.3
110°-120°	39.1	2.1
120°-130°	48.8	2.7
130°-140°	45.9	2.5
140°-150°	36.2	2.0
150°-160°	24.9	1.4
160°-170°	14.7	0.8
170°-180°	4.9	0.3
0°-30°	458.4	25.2
0°-40°	736.9	40.5
0°-60°	1263.6	69.4
0°-90°	1572.8	86.4
90°-120°	72.5	4.0
90°-150°	203.3	11.2
90°-180°	248.0	13.6
0°-180°	1820.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	609	609	609	609	609	
5°	610	603	606	604	603	58
15°	580	574	577	574	573	163
25°	525	520	521	515	514	242
35°	452	448	448	440	438	283
45°	371	367	363	358	357	286
55°	282	279	278	273	271	252
65°	189	187	184	180	179	187
75°	98	97	96	93	93	104
85°	21	22	22	21	21	25
90°	2	4	4	4	4	2
95°	7	8	9	9	9	7
105°	18	25	22	24	22	19
115°	27	43	44	38	38	27
125°	36	49	60	62	62	31
135°	41	46	60	75	74	32
145°	46	48	58	66	67	29
155°	48	50	53	57	57	22
165°	50	50	53	54	53	14
175°	51	51	51	51	49	5
180°	50	50	50	50	50	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	608.8	608.8	608.8	608.8	608.8
2.5°	612.7	605.9	608.8	606.9	603.1
5°	609.8	603.1	605.9	604.0	603.1
7.5°	604.0	598.3	601.1	599.2	598.3
10°	597.3	591.5	594.4	591.5	590.6
12.5°	590.6	583.9	586.7	582.9	582.9
15°	580.0	574.3	577.1	574.3	573.3
17.5°	568.5	562.7	564.7	561.8	560.8
20°	555.1	549.3	551.2	547.4	545.4
22.5°	540.6	535.8	537.8	531.0	530.1
25°	525.3	520.5	521.4	514.7	513.8
27.5°	509.9	503.2	505.1	497.4	495.5
30°	491.7	485.9	486.9	479.2	477.3
32.5°	471.5	467.7	467.7	460.0	459.0
35°	452.3	448.5	447.5	439.8	437.9
37.5°	433.1	428.3	427.3	418.7	418.7
40°	412.0	408.1	406.2	399.5	398.5
42.5°	391.8	387.0	385.1	378.4	378.4
45°	370.7	366.8	363.0	358.2	357.2
47.5°	348.6	344.7	342.8	337.1	336.1
50°	326.5	323.6	320.7	315.9	315.0
52.5°	303.5	301.5	299.6	294.8	291.9
55°	282.3	279.4	278.5	272.7	270.8
57.5°	259.3	256.4	255.4	248.7	245.8
60°	234.3	231.4	230.5	224.7	223.7
62.5°	212.2	209.3	207.4	203.6	201.7
65°	189.2	187.3	184.4	180.5	178.6
67.5°	166.1	164.2	161.3	158.4	156.5
70°	143.1	141.2	139.2	135.4	134.4
72.5°	120.0	118.1	116.2	114.3	114.3
75°	98.0	97.0	96.0	93.1	93.1
77.5°	75.9	74.9	73.9	73.0	73.0
80°	55.7	55.7	54.7	53.8	53.8
82.5°	37.5	37.5	37.5	36.5	36.5
85°	21.1	22.1	22.1	21.1	21.1
87.5°	8.6	8.6	8.6	8.6	8.6
90°	1.9	3.8	3.8	3.8	3.8
92.5°	3.8	4.8	5.8	6.7	5.8
95°	6.7	7.7	8.6	8.6	8.6
97.5°	10.6	11.5	11.5	11.5	11.5
100°	13.4	15.4	14.4	15.4	14.4
102.5°	16.3	20.2	20.2	18.2	18.2
105°	18.2	25.0	22.1	24.0	22.1
107.5°	20.2	30.7	25.9	26.9	27.8
110°	23.0	34.6	31.7	28.8	29.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.0	42.3	37.5	33.6	32.7
115°	26.9	43.2	44.2	38.4	37.5
117.5°	29.8	43.2	49.9	45.1	43.2
120°	31.7	46.1	54.7	50.9	49.0
122.5°	33.6	48.0	57.6	57.6	55.7
125°	35.5	49.0	60.5	62.4	61.5
127.5°	36.5	46.1	65.3	68.2	67.2
130°	38.4	44.2	64.3	69.1	72.0
132.5°	40.3	45.1	62.4	70.1	72.0
135°	41.3	46.1	60.5	74.9	73.9
137.5°	42.3	47.1	61.5	72.0	76.8
140°	44.2	47.1	62.4	68.2	73.9
142.5°	45.1	48.0	62.4	65.3	69.1
145°	46.1	48.0	57.6	66.3	67.2
147.5°	46.1	49.0	53.8	67.2	67.2
150°	47.1	49.0	53.8	67.2	67.2
152.5°	48.0	49.9	52.8	58.6	66.3
155°	48.0	49.9	52.8	56.7	56.7
157.5°	49.0	49.9	52.8	55.7	55.7
160°	49.0	49.9	52.8	54.7	53.8
162.5°	49.9	49.9	51.9	53.8	52.8
165°	49.9	49.9	52.8	53.8	52.8
167.5°	49.9	50.9	51.9	52.8	51.9
170°	50.9	50.9	51.9	51.9	50.9
172.5°	50.9	50.9	51.9	50.9	49.9
175°	50.9	50.9	50.9	50.9	49.0
177.5°	50.9	49.9	50.9	49.9	48.0
180°	49.9	49.9	49.9	49.9	49.9

(END OF REPORT)