

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: P253279

Luminaire Tested: **J2-WL-20L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-20L830-1D-UNV-STD-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1901.3 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

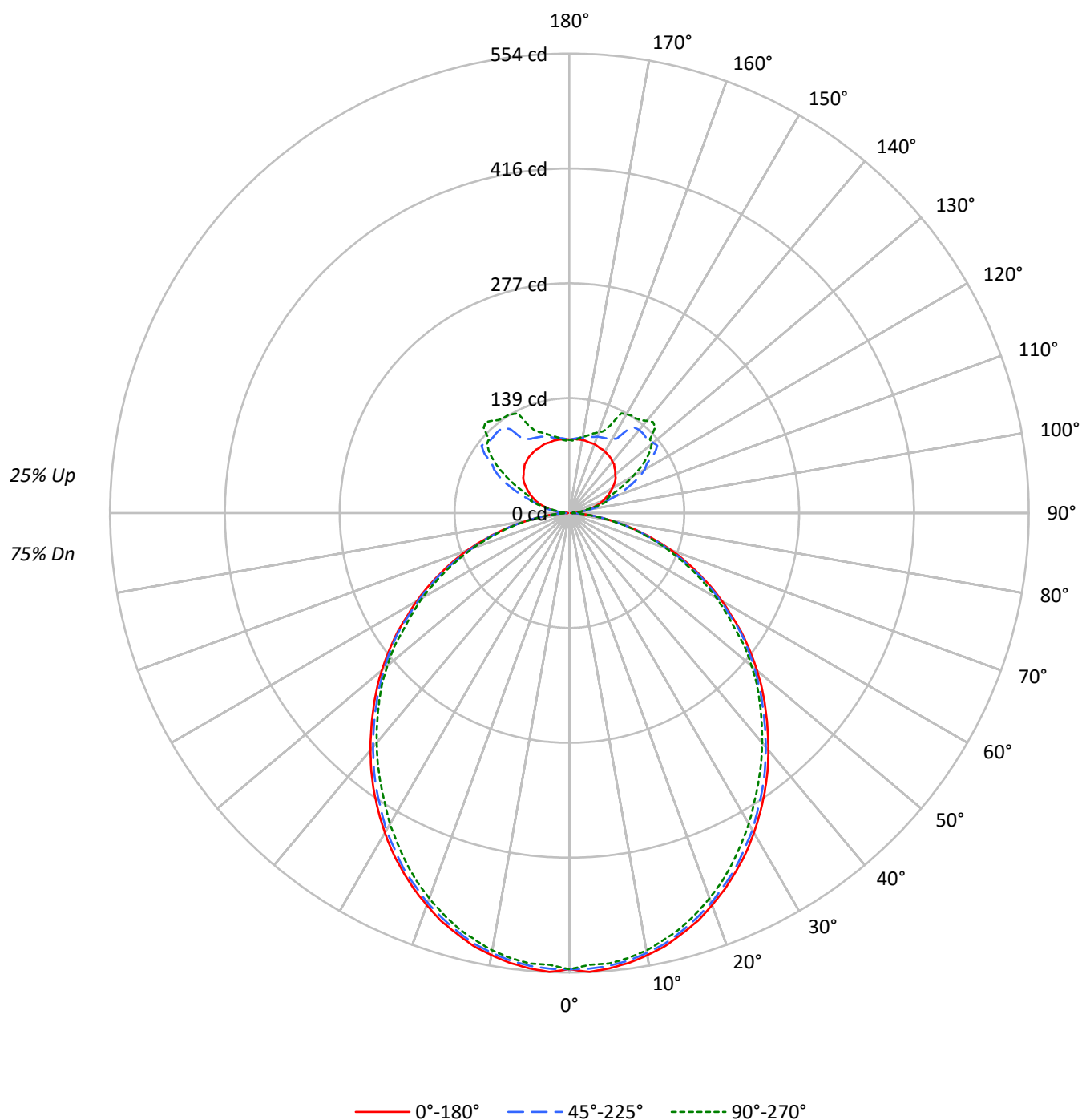
Input Watts (W): 14.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79
1	103	99	95	91	98	94	91	87	85	83	80	77	75	73	70	68	67
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	62	59	56
3	86	76	68	62	81	73	66	60	66	60	56	60	56	52	55	51	48
4	79	67	59	53	75	64	57	51	59	53	48	54	49	44	49	45	41
5	72	60	52	45	69	58	50	44	53	46	41	48	43	39	44	40	36
6	67	54	46	40	63	52	44	38	48	41	36	44	38	34	40	35	32
7	62	49	41	35	59	47	39	34	43	37	32	40	34	30	36	32	28
8	58	45	37	31	55	43	35	30	40	33	29	36	31	27	34	29	25
9	54	41	33	28	51	39	32	27	36	30	26	34	28	24	31	26	23
10	50	38	30	25	48	36	29	24	34	27	23	31	26	22	29	24	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4440	4440	4440
5°	4465	4442	4418
10°	4437	4414	4391
15°	4388	4364	4332
20°	4320	4296	4246
25°	4240	4214	4146
30°	4150	4114	4034
35°	4047	3999	3914
40°	3932	3881	3810
45°	3820	3765	3710
50°	3707	3659	3598
55°	3586	3560	3437
60°	3431	3384	3307
65°	3270	3215	3123
70°	3087	2974	2927
75°	2760	2729	2639
80°	2325	2325	2236
85°	1778	1871	1778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	2.7
10°-20°	146.7	7.7
20°-30°	216.5	11.4
30°-40°	252.4	13.3
40°-50°	254.0	13.4
50°-60°	223.6	11.8
60°-70°	166.0	8.7
70°-80°	92.3	4.9
80°-90°	24.0	1.3
90°-100°	12.2	0.6
100°-110°	43.6	2.3
110°-120°	76.1	4.0
120°-130°	96.0	5.0
130°-140°	90.8	4.8
140°-150°	72.3	3.8
150°-160°	47.5	2.5
160°-170°	26.8	1.4
170°-180°	8.6	0.5
0°-30°	415.1	21.8
0°-40°	667.4	35.1
0°-60°	1145.1	60.2
0°-90°	1427.4	75.1
90°-120°	131.8	6.9
90°-150°	390.9	20.6
90°-180°	474.0	24.9
0°-180°	1901.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	550	550	550	550	550	
5°	551	545	548	546	545	52
15°	525	519	522	519	518	148
25°	476	471	473	466	465	219
35°	411	406	406	399	397	257
45°	335	332	330	325	325	258
55°	255	254	253	246	244	227
65°	171	171	168	164	164	170
75°	88	88	88	86	85	94
85°	19	20	20	20	19	22
90°	2	3	3	4	4	2
95°	11	12	10	9	8	11
105°	33	51	38	43	39	35
115°	52	100	84	68	62	51
125°	67	108	125	116	112	60
135°	77	89	130	146	146	60
145°	84	91	123	138	139	52
155°	86	91	100	108	116	40
165°	88	90	95	98	98	25
175°	89	89	90	90	88	9
180°	88	88	88	88	88	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	550.0	550.0	550.0	550.0	550.0
2.5°	553.8	547.1	550.0	549.0	545.2
5°	551.0	545.2	548.1	546.2	545.2
7.5°	547.1	541.3	544.2	542.3	541.3
10°	541.3	535.6	538.5	535.6	535.6
12.5°	534.6	527.9	531.7	527.9	526.9
15°	525.0	519.2	522.1	519.2	518.3
17.5°	515.4	509.6	511.5	508.7	506.7
20°	502.9	498.1	500.0	495.2	494.2
22.5°	490.4	485.6	486.5	481.7	480.8
25°	476.0	471.2	473.1	466.3	465.4
27.5°	461.5	455.8	456.7	450.0	449.0
30°	445.2	440.4	441.3	433.7	432.7
32.5°	427.9	423.1	423.1	416.3	414.4
35°	410.6	405.8	405.8	399.0	397.1
37.5°	392.3	387.5	387.5	380.8	379.8
40°	373.1	369.2	368.3	361.5	361.5
42.5°	353.8	351.0	349.0	343.3	343.3
45°	334.6	331.7	329.8	325.0	325.0
47.5°	315.4	312.5	310.6	306.7	306.7
50°	295.2	293.3	291.3	287.5	286.5
52.5°	275.0	274.0	272.1	268.3	267.3
55°	254.8	253.8	252.9	246.2	244.2
57.5°	232.7	231.7	229.8	225.0	224.0
60°	212.5	210.6	209.6	204.8	204.8
62.5°	192.3	191.3	189.4	184.6	183.7
65°	171.2	171.2	168.3	164.4	163.5
67.5°	151.0	150.0	147.1	144.2	143.3
70°	130.8	129.8	126.0	125.0	124.0
72.5°	109.6	108.7	106.7	104.8	103.8
75°	88.5	88.5	87.5	85.6	84.6
77.5°	69.2	69.2	68.3	67.3	66.3
80°	50.0	51.0	50.0	49.0	48.1
82.5°	33.7	34.6	33.7	33.7	32.7
85°	19.2	20.2	20.2	20.2	19.2
87.5°	7.7	8.7	8.7	7.7	7.7
90°	1.9	2.9	2.9	3.8	3.8
92.5°	4.8	5.8	4.8	5.8	4.8
95°	10.6	11.5	9.6	8.7	7.7
97.5°	16.3	21.2	15.4	14.4	13.5
100°	22.1	27.9	25.0	20.2	17.3
102.5°	27.9	39.4	36.5	28.8	26.0
105°	32.7	51.0	38.5	43.3	39.4
107.5°	38.5	62.5	46.2	46.2	49.0
110°	43.3	77.9	58.7	48.1	48.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	47.1	97.1	71.2	55.8	51.9
115°	51.9	100.0	83.7	68.3	62.5
117.5°	55.8	101.9	95.2	81.7	75.0
120°	59.6	104.8	104.8	93.3	87.5
122.5°	63.5	106.7	110.6	105.8	101.0
125°	67.3	107.7	125.0	116.3	112.5
127.5°	70.2	102.9	133.7	124.0	122.1
130°	72.1	91.3	131.7	126.9	129.8
132.5°	75.0	88.5	129.8	139.4	131.7
135°	76.9	89.4	129.8	146.2	146.2
137.5°	79.8	90.4	130.8	142.3	149.0
140°	80.8	90.4	130.8	139.4	145.2
142.5°	82.7	91.3	129.8	137.5	141.3
145°	83.7	91.3	123.1	138.5	139.4
147.5°	84.6	91.3	106.7	136.5	139.4
150°	85.6	91.3	102.9	135.6	137.5
152.5°	86.5	91.3	101.0	123.1	135.6
155°	86.5	91.3	100.0	107.7	116.3
157.5°	87.5	91.3	99.0	104.8	106.7
160°	88.5	91.3	98.1	102.9	103.8
162.5°	88.5	90.4	96.2	101.0	101.0
165°	88.5	90.4	95.2	98.1	98.1
167.5°	89.4	90.4	93.3	96.2	95.2
170°	89.4	89.4	92.3	94.2	93.3
172.5°	89.4	89.4	91.3	92.3	91.3
175°	89.4	89.4	90.4	90.4	88.5
177.5°	89.4	89.4	89.4	89.4	87.5
180°	88.5	88.5	88.5	88.5	88.5

(END OF REPORT)