

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: P253292

Luminaire Tested: **J2-WL-40L830-1D-UNV-STD-DLED-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253292
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-40L830-1D-UNV-STD-DLED-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3607.7 lumens
Efficiency: N/A
Efficacy: 110.7 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

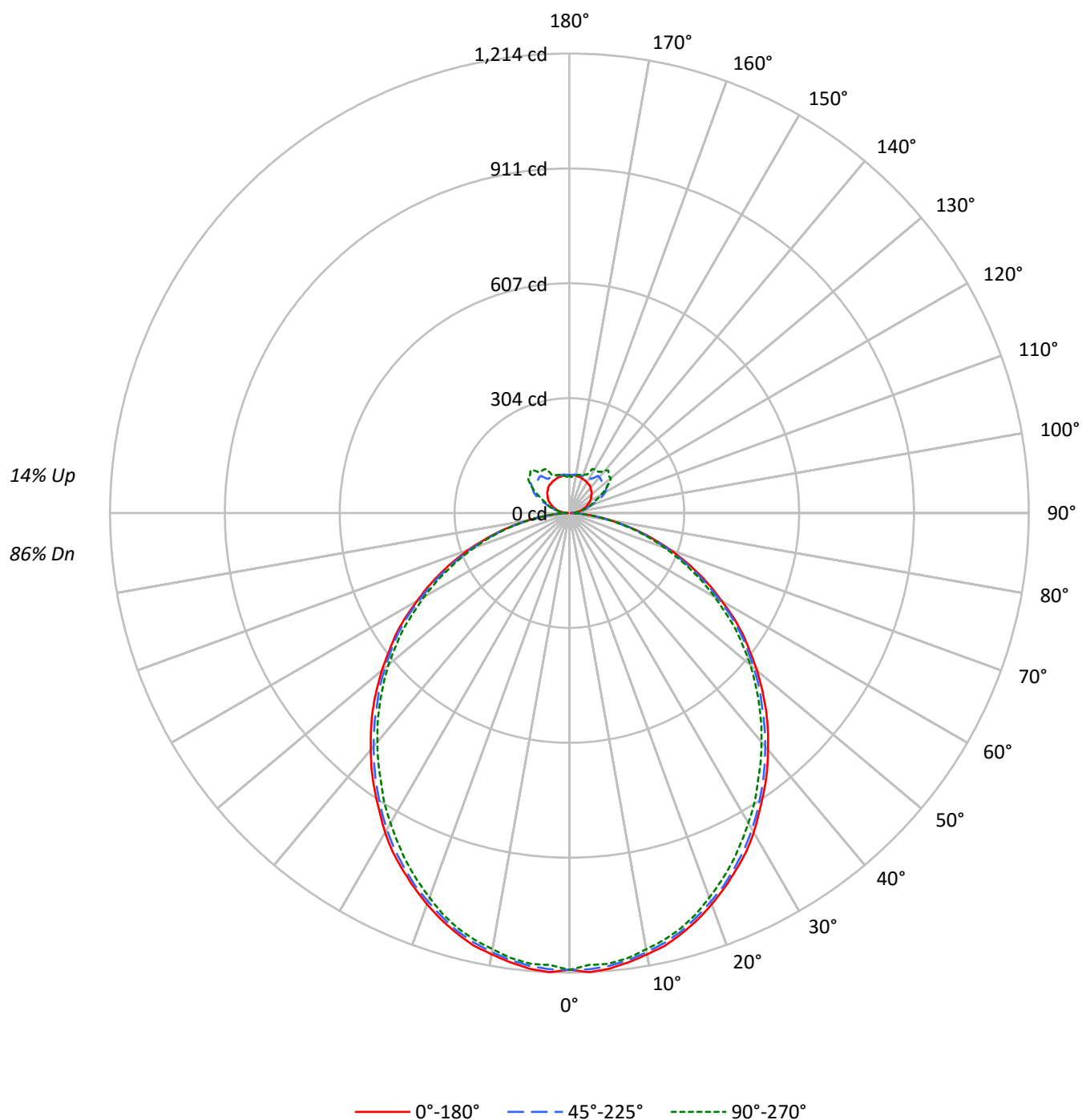
Input Watts (W): 32.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9740	9740	9740
5°	9793	9731	9685
10°	9703	9657	9594
15°	9606	9559	9495
20°	9449	9384	9286
25°	9272	9204	9069
30°	9082	8994	8817
35°	8833	8740	8552
40°	8604	8483	8322
45°	8387	8212	8082
50°	8126	7983	7839
55°	7875	7768	7553
60°	7497	7374	7159
65°	7161	6980	6762
70°	6692	6512	6288
75°	6054	5936	5758
80°	5133	5044	4956
85°	3881	4057	3881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.2
10°-20°	321.1	8.9
20°-30°	473.6	13.1
30°-40°	552.0	15.3
40°-50°	555.0	15.4
50°-60°	488.7	13.5
60°-70°	360.8	10.0
70°-80°	199.9	5.5
80°-90°	52.0	1.4
90°-100°	18.5	0.5
100°-110°	47.7	1.3
110°-120°	77.4	2.1
120°-130°	96.7	2.7
130°-140°	90.9	2.5
140°-150°	71.6	2.0
150°-160°	49.4	1.4
160°-170°	29.1	0.8
170°-180°	9.6	0.3
0°-30°	908.4	25.2
0°-40°	1460.4	40.5
0°-60°	2504.1	69.4
0°-90°	3116.8	86.4
90°-120°	143.6	4.0
90°-150°	402.8	11.2
90°-180°	491.0	13.6
0°-180°	3607.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1208	1195	1201	1197	1195	114
15°	1149	1138	1144	1138	1136	324
25°	1041	1031	1033	1020	1018	480
35°	896	889	887	872	868	561
45°	735	727	719	710	708	566
55°	560	554	552	540	537	499
65°	375	371	365	358	354	371
75°	194	192	190	185	185	205
85°	42	44	44	42	42	49
90°	4	8	8	8	8	4
95°	13	15	17	17	17	14
105°	36	50	44	48	44	38
115°	53	86	88	76	74	54
125°	70	97	120	124	122	62
135°	82	91	120	148	146	63
145°	91	95	114	131	133	57
155°	95	99	105	112	112	44
165°	99	99	105	107	105	28
175°	101	101	101	101	97	10
180°	99	99	99	99	99	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1206.5	1206.5	1206.5	1206.5	1206.5
2.5°	1214.1	1200.8	1206.5	1202.7	1195.1
5°	1208.4	1195.1	1200.8	1197.0	1195.1
7.5°	1197.0	1185.6	1191.3	1187.5	1185.6
10°	1183.7	1172.2	1178.0	1172.2	1170.3
12.5°	1170.3	1157.0	1162.7	1155.1	1155.1
15°	1149.4	1138.0	1143.7	1138.0	1136.1
17.5°	1126.6	1115.2	1119.0	1113.3	1111.3
20°	1099.9	1088.5	1092.3	1084.7	1080.9
22.5°	1071.4	1061.9	1065.7	1052.4	1050.5
25°	1040.9	1031.4	1033.3	1020.0	1018.1
27.5°	1010.5	997.2	1001.0	985.8	981.9
30°	974.3	962.9	964.8	949.6	945.8
32.5°	934.4	926.8	926.8	911.5	909.6
35°	896.3	888.7	886.8	871.6	867.8
37.5°	858.3	848.7	846.8	829.7	829.7
40°	816.4	808.8	805.0	791.6	789.7
42.5°	776.4	766.9	763.1	749.8	749.8
45°	734.6	726.9	719.3	709.8	707.9
47.5°	690.8	683.2	679.4	668.0	666.0
50°	647.0	641.3	635.6	626.1	624.2
52.5°	601.3	597.5	593.7	584.2	578.5
55°	559.5	553.8	551.9	540.5	536.6
57.5°	513.8	508.1	506.2	492.9	487.2
60°	464.3	458.6	456.7	445.3	443.4
62.5°	420.6	414.9	411.0	403.4	399.6
65°	374.9	371.1	365.4	357.8	354.0
67.5°	329.2	325.4	319.7	314.0	310.2
70°	283.5	279.7	275.9	268.3	266.4
72.5°	237.9	234.1	230.3	226.5	226.5
75°	194.1	192.2	190.3	184.6	184.6
77.5°	150.3	148.4	146.5	144.6	144.6
80°	110.4	110.4	108.5	106.6	106.6
82.5°	74.2	74.2	74.2	72.3	72.3
85°	41.9	43.8	43.8	41.9	41.9
87.5°	17.1	17.1	17.1	17.1	17.1
90°	3.8	7.6	7.6	7.6	7.6
92.5°	7.6	9.5	11.4	13.3	11.4
95°	13.3	15.2	17.1	17.1	17.1
97.5°	20.9	22.8	22.8	22.8	22.8
100°	26.6	30.4	28.5	30.4	28.5
102.5°	32.4	40.0	40.0	36.2	36.2
105°	36.2	49.5	43.8	47.6	43.8
107.5°	40.0	60.9	51.4	53.3	55.2
110°	45.7	68.5	62.8	57.1	59.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	49.5	83.7	74.2	66.6	64.7
115°	53.3	85.6	87.5	76.1	74.2
117.5°	59.0	85.6	99.0	89.4	85.6
120°	62.8	91.3	108.5	100.9	97.1
122.5°	66.6	95.1	114.2	114.2	110.4
125°	70.4	97.1	119.9	123.7	121.8
127.5°	72.3	91.3	129.4	135.1	133.2
130°	76.1	87.5	127.5	137.0	142.7
132.5°	79.9	89.4	123.7	138.9	142.7
135°	81.8	91.3	119.9	148.4	146.5
137.5°	83.7	93.2	121.8	142.7	152.2
140°	87.5	93.2	123.7	135.1	146.5
142.5°	89.4	95.1	123.7	129.4	137.0
145°	91.3	95.1	114.2	131.3	133.2
147.5°	91.3	97.1	106.6	133.2	133.2
150°	93.2	97.1	106.6	133.2	133.2
152.5°	95.1	99.0	104.7	116.1	131.3
155°	95.1	99.0	104.7	112.3	112.3
157.5°	97.1	99.0	104.7	110.4	110.4
160°	97.1	99.0	104.7	108.5	106.6
162.5°	99.0	99.0	102.8	106.6	104.7
165°	99.0	99.0	104.7	106.6	104.7
167.5°	99.0	100.9	102.8	104.7	102.8
170°	100.9	100.9	102.8	102.8	100.9
172.5°	100.9	100.9	102.8	100.9	99.0
175°	100.9	100.9	100.9	100.9	97.1
177.5°	100.9	99.0	100.9	99.0	95.1
180°	99.0	99.0	99.0	99.0	99.0

(END OF REPORT)