

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: P253299

Luminaire Tested: **J2-WL-30L840-1D-UNV-STD-DLED-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253299
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-30L840-1D-UNV-STD-DLED-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
Light Source: (112) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2826.5 lumens
Efficiency: N/A
Efficacy: 122.4 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

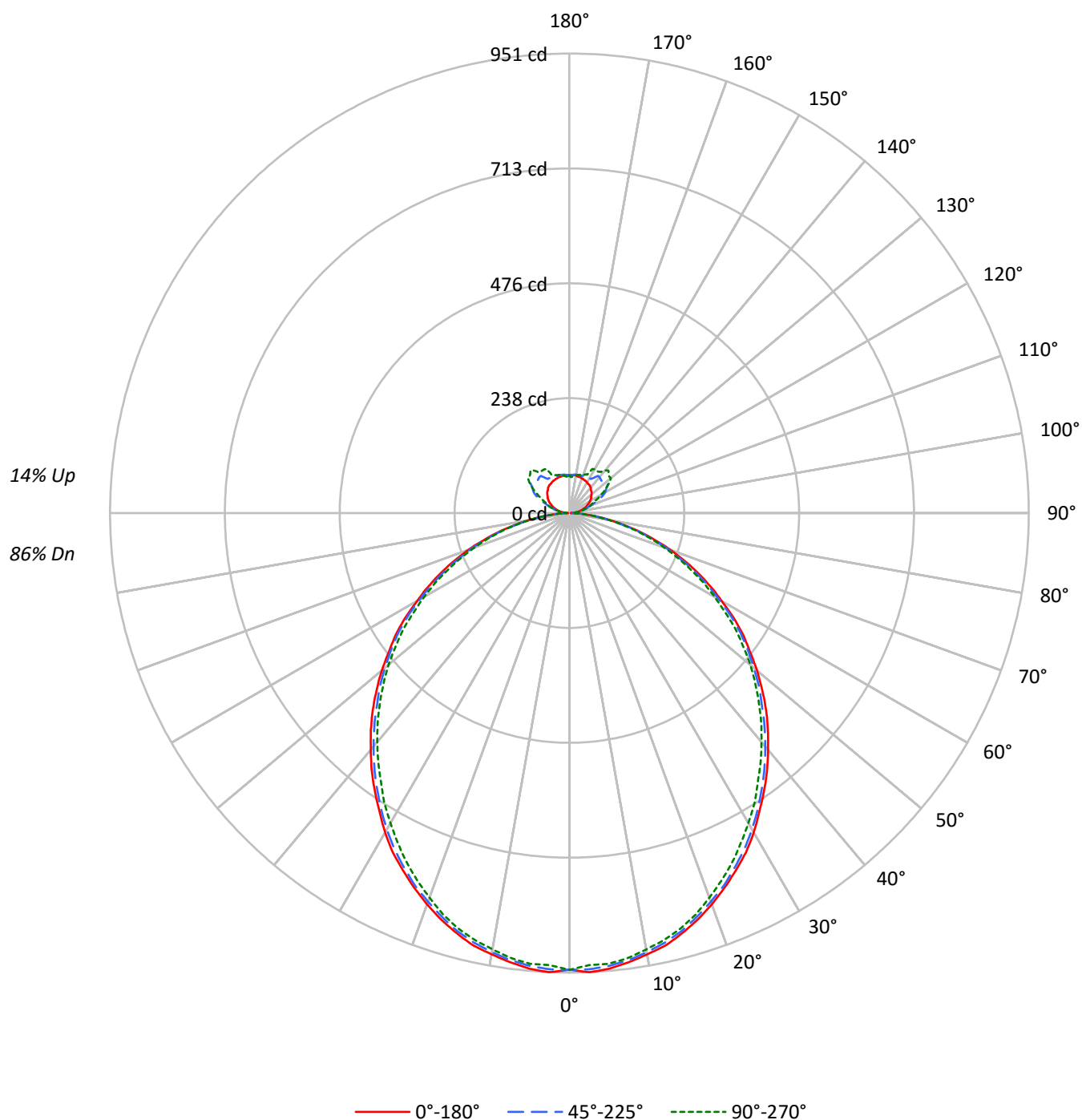
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7631	7631	7631
5°	7672	7624	7588
10°	7602	7565	7516
15°	7526	7489	7439
20°	7403	7352	7275
25°	7264	7212	7105
30°	7115	7046	6907
35°	6920	6847	6701
40°	6740	6647	6520
45°	6570	6435	6332
50°	6366	6255	6141
55°	6169	6086	5917
60°	5874	5777	5609
65°	5610	5469	5297
70°	5242	5103	4926
75°	4744	4651	4510
80°	4021	3952	3882
85°	3038	3177	3038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	3.2
10°-20°	251.6	8.9
20°-30°	371.0	13.1
30°-40°	432.5	15.3
40°-50°	434.8	15.4
50°-60°	382.9	13.5
60°-70°	282.7	10.0
70°-80°	156.6	5.5
80°-90°	40.8	1.4
90°-100°	14.5	0.5
100°-110°	37.4	1.3
110°-120°	60.7	2.1
120°-130°	75.8	2.7
130°-140°	71.2	2.5
140°-150°	56.1	2.0
150°-160°	38.7	1.4
160°-170°	22.8	0.8
170°-180°	7.5	0.3
0°-30°	711.7	25.2
0°-40°	1144.1	40.5
0°-60°	1961.8	69.4
0°-90°	2441.8	86.4
90°-120°	112.5	4.0
90°-150°	315.7	11.2
90°-180°	385.0	13.6
0°-180°	2826.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	947	936	941	938	936	90
15°	900	892	896	892	890	254
25°	816	808	810	799	798	376
35°	702	696	695	683	680	440
45°	576	570	564	556	555	444
55°	438	434	432	423	420	391
65°	294	291	286	280	277	290
75°	152	151	149	145	145	161
85°	33	34	34	33	33	38
90°	3	6	6	6	6	3
95°	10	12	13	13	13	11
105°	28	39	34	37	34	30
115°	42	67	69	60	58	42
125°	55	76	94	97	95	49
135°	64	72	94	116	115	50
145°	72	74	90	103	104	45
155°	74	78	82	88	88	35
165°	78	78	82	84	82	22
175°	79	79	79	79	76	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.2	945.2	945.2	945.2	945.2
2.5°	951.2	940.8	945.2	942.2	936.3
5°	946.7	936.3	940.8	937.8	936.3
7.5°	937.8	928.8	933.3	930.3	928.8
10°	927.3	918.4	922.9	918.4	916.9
12.5°	916.9	906.5	910.9	905.0	905.0
15°	900.5	891.6	896.0	891.6	890.1
17.5°	882.6	873.7	876.6	872.2	870.7
20°	861.7	852.8	855.8	849.8	846.8
22.5°	839.4	831.9	834.9	824.5	823.0
25°	815.5	808.1	809.6	799.1	797.6
27.5°	791.7	781.2	784.2	772.3	769.3
30°	763.3	754.4	755.9	744.0	741.0
32.5°	732.0	726.1	726.1	714.1	712.6
35°	702.2	696.2	694.8	682.8	679.9
37.5°	672.4	664.9	663.5	650.0	650.0
40°	639.6	633.6	630.7	620.2	618.7
42.5°	608.3	600.8	597.9	587.4	587.4
45°	575.5	569.5	563.6	556.1	554.6
47.5°	541.2	535.2	532.3	523.3	521.8
50°	506.9	502.4	498.0	490.5	489.0
52.5°	471.1	468.1	465.2	457.7	453.2
55°	438.3	433.9	432.4	423.4	420.4
57.5°	402.5	398.1	396.6	386.1	381.7
60°	363.8	359.3	357.8	348.9	347.4
62.5°	329.5	325.0	322.0	316.1	313.1
65°	293.7	290.7	286.3	280.3	277.3
67.5°	257.9	254.9	250.5	246.0	243.0
70°	222.1	219.2	216.2	210.2	208.7
72.5°	186.4	183.4	180.4	177.4	177.4
75°	152.1	150.6	149.1	144.6	144.6
77.5°	117.8	116.3	114.8	113.3	113.3
80°	86.5	86.5	85.0	83.5	83.5
82.5°	58.1	58.1	58.1	56.7	56.7
85°	32.8	34.3	34.3	32.8	32.8
87.5°	13.4	13.4	13.4	13.4	13.4
90°	3.0	6.0	6.0	6.0	6.0
92.5°	6.0	7.5	8.9	10.4	8.9
95°	10.4	11.9	13.4	13.4	13.4
97.5°	16.4	17.9	17.9	17.9	17.9
100°	20.9	23.9	22.4	23.9	22.4
102.5°	25.3	31.3	31.3	28.3	28.3
105°	28.3	38.8	34.3	37.3	34.3
107.5°	31.3	47.7	40.3	41.7	43.2
110°	35.8	53.7	49.2	44.7	46.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	38.8	65.6	58.1	52.2	50.7
115°	41.7	67.1	68.6	59.6	58.1
117.5°	46.2	67.1	77.5	70.1	67.1
120°	49.2	71.6	85.0	79.0	76.0
122.5°	52.2	74.5	89.5	89.5	86.5
125°	55.2	76.0	93.9	96.9	95.4
127.5°	56.7	71.6	101.4	105.9	104.4
130°	59.6	68.6	99.9	107.3	111.8
132.5°	62.6	70.1	96.9	108.8	111.8
135°	64.1	71.6	93.9	116.3	114.8
137.5°	65.6	73.1	95.4	111.8	119.3
140°	68.6	73.1	96.9	105.9	114.8
142.5°	70.1	74.5	96.9	101.4	107.3
145°	71.6	74.5	89.5	102.9	104.4
147.5°	71.6	76.0	83.5	104.4	104.4
150°	73.1	76.0	83.5	104.4	104.4
152.5°	74.5	77.5	82.0	90.9	102.9
155°	74.5	77.5	82.0	88.0	88.0
157.5°	76.0	77.5	82.0	86.5	86.5
160°	76.0	77.5	82.0	85.0	83.5
162.5°	77.5	77.5	80.5	83.5	82.0
165°	77.5	77.5	82.0	83.5	82.0
167.5°	77.5	79.0	80.5	82.0	80.5
170°	79.0	79.0	80.5	80.5	79.0
172.5°	79.0	79.0	80.5	79.0	77.5
175°	79.0	79.0	79.0	79.0	76.0
177.5°	79.0	77.5	79.0	77.5	74.5
180°	77.5	77.5	77.5	77.5	77.5

(END OF REPORT)