

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: P253291

Luminaire Tested: **J2-WL-30L830-1D-UNV-STD-DLED-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253291
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-30L830-1D-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: 2666.5 lumens
Efficiency: N/A
Efficacy: 115.4 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

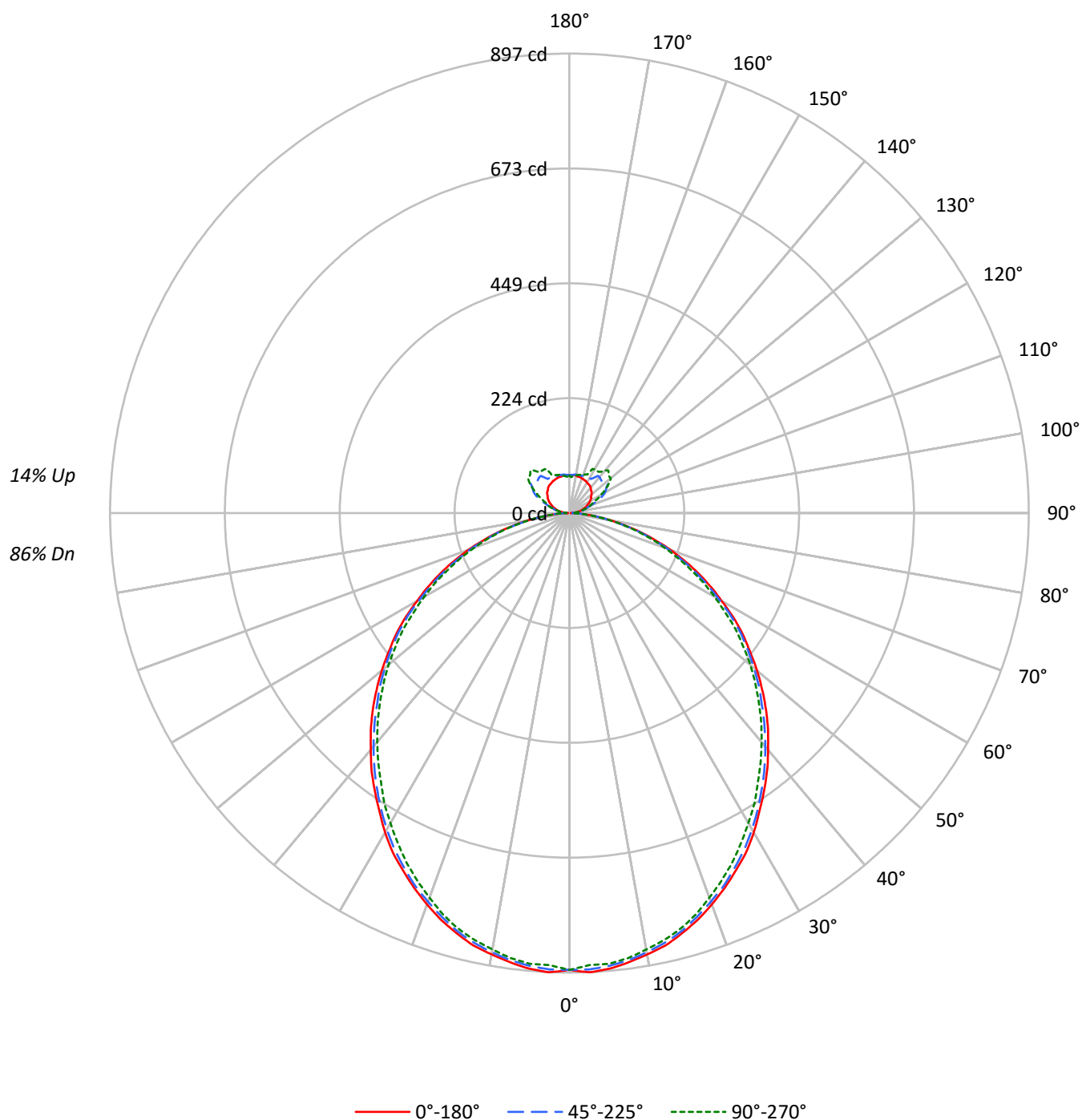
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7199	7199	7199
5°	7237	7192	7158
10°	7171	7137	7091
15°	7100	7065	7018
20°	6985	6936	6863
25°	6853	6803	6703
30°	6713	6647	6516
35°	6529	6459	6321
40°	6359	6270	6151
45°	6198	6070	5973
50°	6006	5900	5794
55°	5820	5741	5582
60°	5541	5451	5291
65°	5293	5158	4997
70°	4947	4813	4648
75°	4476	4389	4255
80°	3794	3729	3663
85°	2862	2992	2862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	3.2
10°-20°	237.3	8.9
20°-30°	350.0	13.1
30°-40°	408.0	15.3
40°-50°	410.2	15.4
50°-60°	361.2	13.5
60°-70°	266.7	10.0
70°-80°	147.7	5.5
80°-90°	38.5	1.4
90°-100°	13.7	0.5
100°-110°	35.2	1.3
110°-120°	57.2	2.1
120°-130°	71.5	2.7
130°-140°	67.2	2.5
140°-150°	52.9	2.0
150°-160°	36.5	1.4
160°-170°	21.5	0.8
170°-180°	7.1	0.3
0°-30°	671.4	25.2
0°-40°	1079.3	40.5
0°-60°	1850.8	69.4
0°-90°	2303.6	86.4
90°-120°	106.2	4.0
90°-150°	297.8	11.2
90°-180°	363.0	13.6
0°-180°	2666.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	893	883	888	885	883	85
15°	850	841	845	841	840	239
25°	769	762	764	754	752	355
35°	662	657	655	644	641	415
45°	543	537	532	525	523	418
55°	414	409	408	399	397	369
65°	277	274	270	264	262	274
75°	144	142	141	136	136	152
85°	31	32	32	31	31	36
90°	3	6	6	6	6	3
95°	10	11	13	13	13	10
105°	27	37	32	35	32	28
115°	39	63	65	56	55	40
125°	52	72	89	91	90	46
135°	60	68	89	110	108	47
145°	68	70	84	97	98	42
155°	70	73	77	83	83	33
165°	73	73	77	79	77	21
175°	74	74	74	74	72	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	891.7	891.7	891.7	891.7	891.7
2.5°	897.4	887.5	891.7	888.9	883.3
5°	893.1	883.3	887.5	884.7	883.3
7.5°	884.7	876.3	880.5	877.7	876.3
10°	874.8	866.4	870.6	866.4	865.0
12.5°	865.0	855.2	859.4	853.8	853.8
15°	849.5	841.1	845.3	841.1	839.7
17.5°	832.7	824.2	827.0	822.8	821.4
20°	813.0	804.5	807.3	801.7	798.9
22.5°	791.9	784.8	787.6	777.8	776.4
25°	769.4	762.3	763.7	753.9	752.5
27.5°	746.9	737.0	739.8	728.6	725.8
30°	720.1	711.7	713.1	701.8	699.0
32.5°	690.6	685.0	685.0	673.7	672.3
35°	662.5	656.8	655.4	644.2	641.4
37.5°	634.3	627.3	625.9	613.2	613.2
40°	603.4	597.8	595.0	585.1	583.7
42.5°	573.9	566.8	564.0	554.2	554.2
45°	542.9	537.3	531.7	524.6	523.2
47.5°	510.6	504.9	502.1	493.7	492.3
50°	478.2	474.0	469.8	462.7	461.3
52.5°	444.5	441.6	438.8	431.8	427.6
55°	413.5	409.3	407.9	399.4	396.6
57.5°	379.8	375.5	374.1	364.3	360.1
60°	343.2	339.0	337.6	329.1	327.7
62.5°	310.8	306.6	303.8	298.2	295.4
65°	277.1	274.3	270.0	264.4	261.6
67.5°	243.3	240.5	236.3	232.1	229.3
70°	209.6	206.8	203.9	198.3	196.9
72.5°	175.8	173.0	170.2	167.4	167.4
75°	143.5	142.1	140.7	136.4	136.4
77.5°	111.1	109.7	108.3	106.9	106.9
80°	81.6	81.6	80.2	78.8	78.8
82.5°	54.9	54.9	54.9	53.4	53.4
85°	30.9	32.3	32.3	30.9	30.9
87.5°	12.7	12.7	12.7	12.7	12.7
90°	2.8	5.6	5.6	5.6	5.6
92.5°	5.6	7.0	8.4	9.8	8.4
95°	9.8	11.3	12.7	12.7	12.7
97.5°	15.5	16.9	16.9	16.9	16.9
100°	19.7	22.5	21.1	22.5	21.1
102.5°	23.9	29.5	29.5	26.7	26.7
105°	26.7	36.6	32.3	35.2	32.3
107.5°	29.5	45.0	38.0	39.4	40.8
110°	33.8	50.6	46.4	42.2	43.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	36.6	61.9	54.9	49.2	47.8
115°	39.4	63.3	64.7	56.3	54.9
117.5°	43.6	63.3	73.1	66.1	63.3
120°	46.4	67.5	80.2	74.5	71.7
122.5°	49.2	70.3	84.4	84.4	81.6
125°	52.0	71.7	88.6	91.4	90.0
127.5°	53.4	67.5	95.6	99.9	98.5
130°	56.3	64.7	94.2	101.3	105.5
132.5°	59.1	66.1	91.4	102.7	105.5
135°	60.5	67.5	88.6	109.7	108.3
137.5°	61.9	68.9	90.0	105.5	112.5
140°	64.7	68.9	91.4	99.9	108.3
142.5°	66.1	70.3	91.4	95.6	101.3
145°	67.5	70.3	84.4	97.0	98.5
147.5°	67.5	71.7	78.8	98.5	98.5
150°	68.9	71.7	78.8	98.5	98.5
152.5°	70.3	73.1	77.4	85.8	97.0
155°	70.3	73.1	77.4	83.0	83.0
157.5°	71.7	73.1	77.4	81.6	81.6
160°	71.7	73.1	77.4	80.2	78.8
162.5°	73.1	73.1	76.0	78.8	77.4
165°	73.1	73.1	77.4	78.8	77.4
167.5°	73.1	74.5	76.0	77.4	76.0
170°	74.5	74.5	76.0	76.0	74.5
172.5°	74.5	74.5	76.0	74.5	73.1
175°	74.5	74.5	74.5	74.5	71.7
177.5°	74.5	73.1	74.5	73.1	70.3
180°	73.1	73.1	73.1	73.1	73.1

(END OF REPORT)