

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: P253287

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253287
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-30L840-1D-UNV-STD-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3069.9 lumens
Efficiency: N/A
Efficacy: 132.9 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

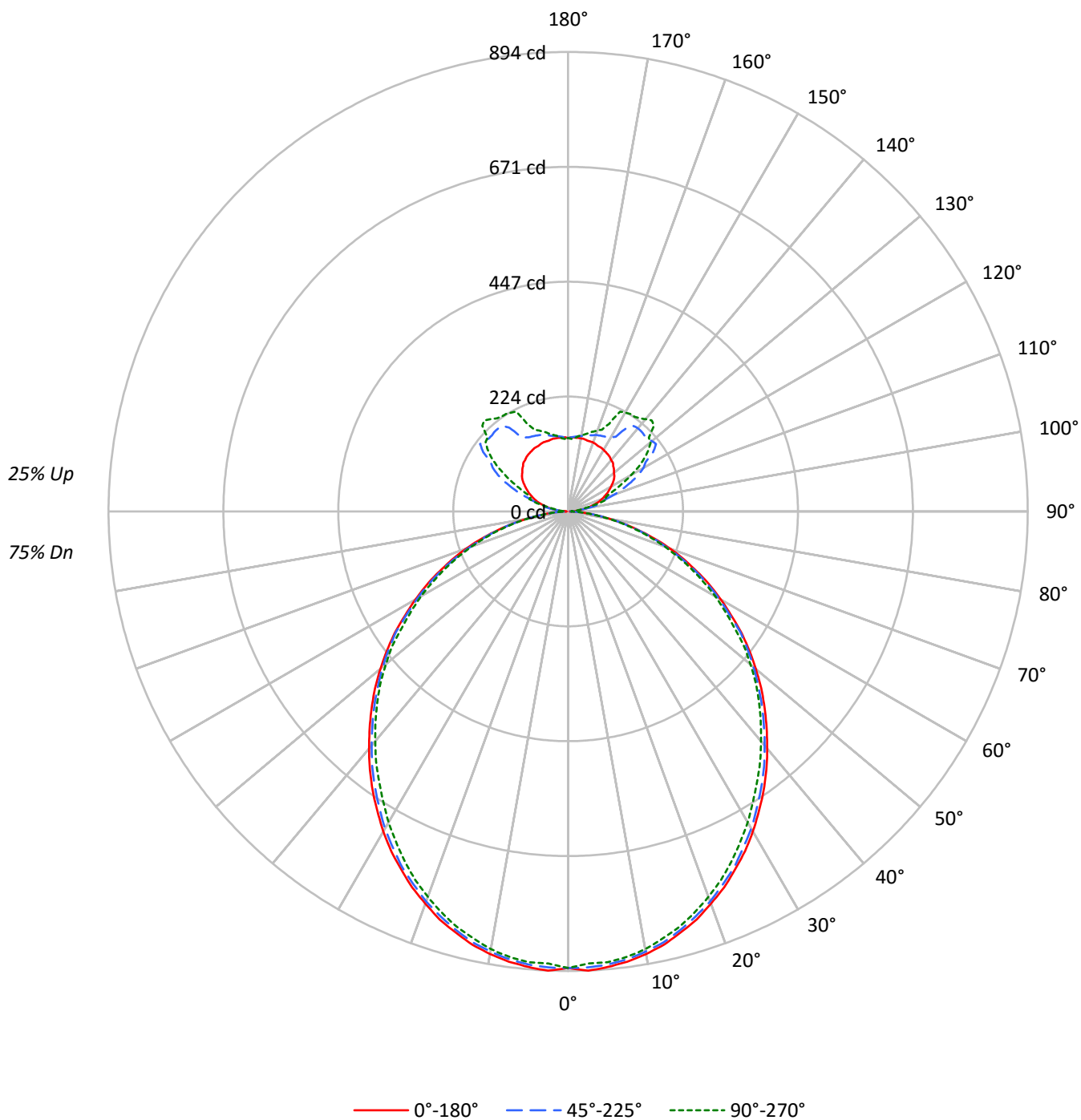
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	7170	7170	7170
5°	7209	7171	7134
10°	7165	7127	7089
15°	7085	7046	6994
20°	6976	6936	6856
25°	6845	6804	6693
30°	6701	6643	6512
35°	6533	6457	6319
40°	6348	6266	6152
45°	6169	6079	5992
50°	5986	5908	5811
55°	5790	5747	5550
60°	5540	5465	5339
65°	5280	5190	5041
70°	4983	4801	4728
75°	4454	4407	4261
80°	3752	3752	3608
85°	2881	3020	2881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	2.7
10°-20°	236.8	7.7
20°-30°	349.6	11.4
30°-40°	407.5	13.3
40°-50°	410.1	13.4
50°-60°	361.1	11.8
60°-70°	268.0	8.7
70°-80°	149.1	4.9
80°-90°	38.8	1.3
90°-100°	19.6	0.6
100°-110°	70.3	2.3
110°-120°	122.9	4.0
120°-130°	154.9	5.0
130°-140°	146.7	4.8
140°-150°	116.8	3.8
150°-160°	76.7	2.5
160°-170°	43.3	1.4
170°-180°	14.0	0.5
0°-30°	670.2	21.8
0°-40°	1077.7	35.1
0°-60°	1848.9	60.2
0°-90°	2304.8	75.1
90°-120°	212.8	6.9
90°-150°	631.2	20.6
90°-180°	765.0	24.9
0°-180°	3069.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	890	880	885	882	880	84
15°	848	838	843	838	837	239
25°	768	761	764	753	751	354
35°	663	655	655	644	641	414
45°	540	536	532	525	525	417
55°	411	410	408	397	394	367
65°	276	276	272	266	264	274
75°	143	143	141	138	137	152
85°	31	33	33	33	31	36
90°	3	5	5	6	6	4
95°	17	19	16	14	12	18
105°	53	82	62	70	64	56
115°	84	162	135	110	101	82
125°	109	174	202	188	182	96
135°	124	144	210	236	236	96
145°	135	148	199	224	225	85
155°	140	148	162	174	188	65
165°	143	146	154	158	158	41
175°	144	144	146	146	143	14
180°	143	143	143	143	143	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	888.1	888.1	888.1	888.1	888.1
2.5°	894.3	883.4	888.1	886.5	880.3
5°	889.6	880.3	884.9	881.8	880.3
7.5°	883.4	874.1	878.7	875.6	874.1
10°	874.1	864.8	869.4	864.8	864.8
12.5°	863.2	852.3	858.6	852.3	850.8
15°	847.7	838.4	843.0	838.4	836.8
17.5°	832.2	822.8	825.9	821.3	818.2
20°	812.0	804.2	807.3	799.6	798.0
22.5°	791.8	784.0	785.6	777.8	776.3
25°	768.5	760.7	763.8	753.0	751.4
27.5°	745.2	735.9	737.5	726.6	725.0
30°	718.8	711.1	712.6	700.2	698.6
32.5°	690.9	683.1	683.1	672.2	669.1
35°	662.9	655.2	655.2	644.3	641.2
37.5°	633.4	625.7	625.7	614.8	613.3
40°	602.4	596.2	594.6	583.8	583.8
42.5°	571.3	566.7	563.6	554.3	554.3
45°	540.3	535.6	532.5	524.8	524.8
47.5°	509.2	504.6	501.5	495.3	495.3
50°	476.6	473.5	470.4	464.2	462.7
52.5°	444.0	442.5	439.4	433.2	431.6
55°	411.4	409.9	408.3	397.4	394.3
57.5°	375.7	374.2	371.1	363.3	361.7
60°	343.1	340.0	338.5	330.7	330.7
62.5°	310.5	309.0	305.8	298.1	296.5
65°	276.4	276.4	271.7	265.5	263.9
67.5°	243.7	242.2	237.5	232.9	231.3
70°	211.1	209.6	203.4	201.8	200.3
72.5°	177.0	175.4	172.3	169.2	167.7
75°	142.8	142.8	141.3	138.2	136.6
77.5°	111.8	111.8	110.2	108.7	107.1
80°	80.7	82.3	80.7	79.2	77.6
82.5°	54.3	55.9	54.3	54.3	52.8
85°	31.1	32.6	32.6	32.6	31.1
87.5°	12.4	14.0	14.0	12.4	12.4
90°	3.1	4.7	4.7	6.2	6.2
92.5°	7.8	9.3	7.8	9.3	7.8
95°	17.1	18.6	15.5	14.0	12.4
97.5°	26.4	34.2	24.8	23.3	21.7
100°	35.7	45.0	40.4	32.6	27.9
102.5°	45.0	63.7	59.0	46.6	41.9
105°	52.8	82.3	62.1	69.9	63.7
107.5°	62.1	100.9	74.5	74.5	79.2
110°	69.9	125.8	94.7	77.6	77.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	76.1	156.8	114.9	90.0	83.8
115°	83.8	161.5	135.1	110.2	100.9
117.5°	90.0	164.6	153.7	132.0	121.1
120°	96.3	169.2	169.2	150.6	141.3
122.5°	102.5	172.3	178.5	170.8	163.0
125°	108.7	173.9	201.8	187.9	181.6
127.5°	113.3	166.1	215.8	200.3	197.2
130°	116.4	147.5	212.7	204.9	209.6
132.5°	121.1	142.8	209.6	225.1	212.7
135°	124.2	144.4	209.6	236.0	236.0
137.5°	128.9	145.9	211.1	229.8	240.6
140°	130.4	145.9	211.1	225.1	234.4
142.5°	133.5	147.5	209.6	222.0	228.2
145°	135.1	147.5	198.7	223.6	225.1
147.5°	136.6	147.5	172.3	220.5	225.1
150°	138.2	147.5	166.1	218.9	222.0
152.5°	139.7	147.5	163.0	198.7	218.9
155°	139.7	147.5	161.5	173.9	187.9
157.5°	141.3	147.5	159.9	169.2	172.3
160°	142.8	147.5	158.4	166.1	167.7
162.5°	142.8	145.9	155.3	163.0	163.0
165°	142.8	145.9	153.7	158.4	158.4
167.5°	144.4	145.9	150.6	155.3	153.7
170°	144.4	144.4	149.0	152.1	150.6
172.5°	144.4	144.4	147.5	149.0	147.5
175°	144.4	144.4	145.9	145.9	142.8
177.5°	144.4	144.4	144.4	144.4	141.3
180°	142.8	142.8	142.8	142.8	142.8

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