

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: P253288

Luminaire Tested: **J2-WL-40L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253288
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-40L840-1D-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: 4153.6 lumens
Efficiency: N/A
Efficacy: 127.4 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

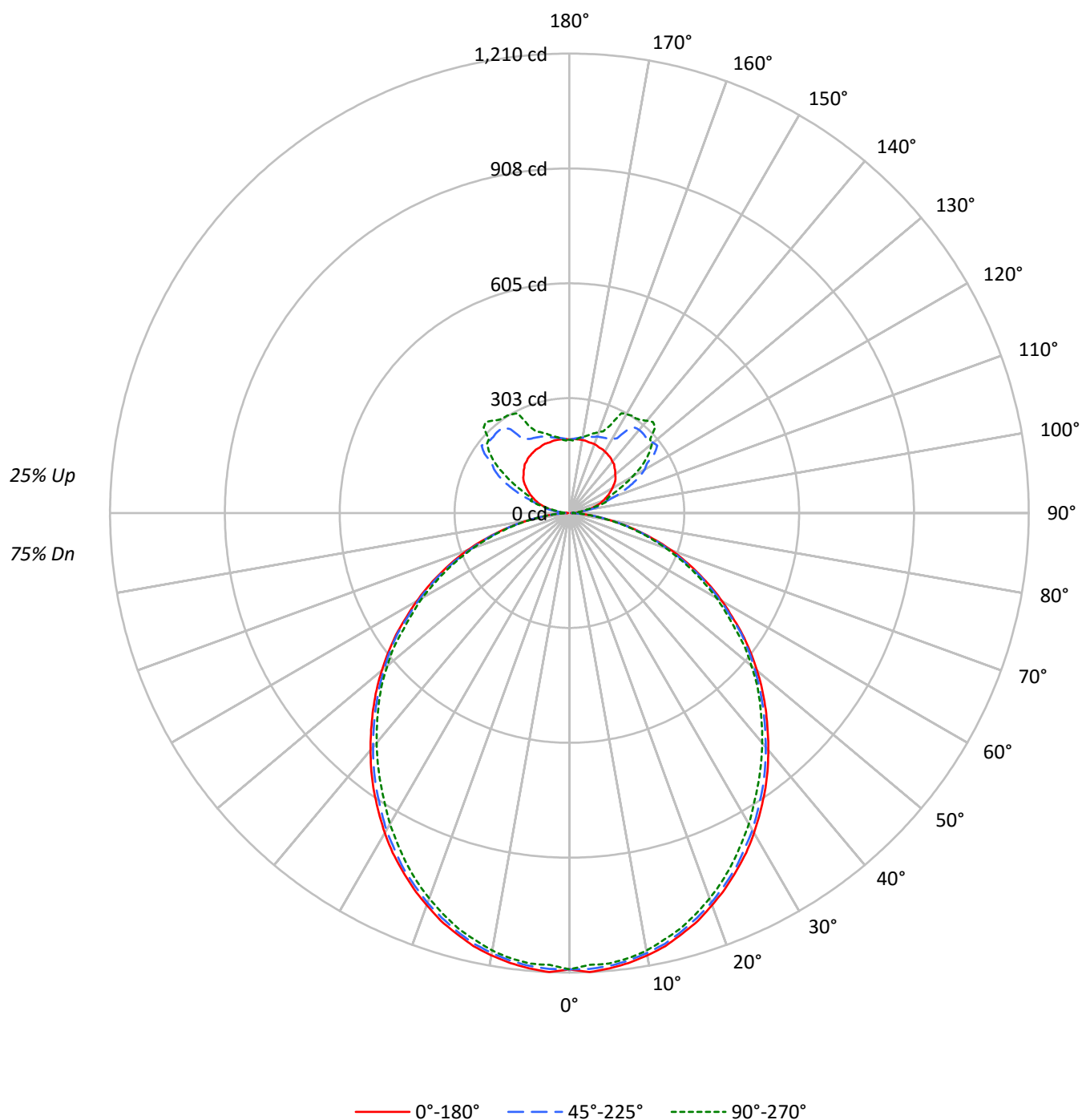
Input Watts (W): 32.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	9700	9700	9700
5°	9754	9703	9652
10°	9694	9643	9591
15°	9585	9533	9463
20°	9438	9384	9276
25°	9262	9206	9056
30°	9066	8988	8812
35°	8839	8736	8549
40°	8589	8478	8323
45°	8346	8226	8106
50°	8099	7994	7862
55°	7835	7775	7509
60°	7495	7393	7224
65°	7142	7022	6821
70°	6744	6496	6397
75°	6029	5964	5767
80°	5077	5077	4881
85°	3890	4085	3890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	2.7
10°-20°	320.4	7.7
20°-30°	473.0	11.4
30°-40°	551.3	13.3
40°-50°	554.8	13.4
50°-60°	488.6	11.8
60°-70°	362.6	8.7
70°-80°	201.8	4.9
80°-90°	52.5	1.3
90°-100°	26.5	0.6
100°-110°	95.1	2.3
110°-120°	166.2	4.0
120°-130°	209.7	5.0
130°-140°	198.5	4.8
140°-150°	158.0	3.8
150°-160°	103.7	2.5
160°-170°	58.6	1.4
170°-180°	18.9	0.5
0°-30°	906.8	21.8
0°-40°	1458.1	35.1
0°-60°	2501.5	60.2
0°-90°	3118.4	75.1
90°-120°	287.9	6.9
90°-150°	854.0	20.6
90°-180°	1035.0	24.9
0°-180°	4153.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1202	1202	1202	1202	1202	
5°	1204	1191	1197	1193	1191	114
15°	1147	1134	1141	1134	1132	323
25°	1040	1029	1034	1019	1017	479
35°	897	886	886	872	868	561
45°	731	725	720	710	710	564
55°	557	555	552	538	534	496
65°	374	374	368	359	357	371
75°	193	193	191	187	185	206
85°	42	44	44	44	42	49
90°	4	6	6	8	8	5
95°	23	25	21	19	17	24
105°	71	111	84	94	86	76
115°	113	218	183	149	136	112
125°	147	235	273	254	246	130
135°	168	195	284	319	319	130
145°	183	200	269	302	305	115
155°	189	200	218	235	254	88
165°	193	198	208	214	214	55
175°	195	195	198	198	193	19
180°	193	193	193	193	193	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1201.5	1201.5	1201.5	1201.5	1201.5
2.5°	1209.9	1195.2	1201.5	1199.4	1191.0
5°	1203.6	1191.0	1197.3	1193.1	1191.0
7.5°	1195.2	1182.6	1188.9	1184.7	1182.6
10°	1182.6	1170.0	1176.3	1170.0	1170.0
12.5°	1167.9	1153.2	1161.6	1153.2	1151.1
15°	1146.9	1134.3	1140.6	1134.3	1132.2
17.5°	1125.9	1113.3	1117.5	1111.2	1107.0
20°	1098.6	1088.1	1092.3	1081.8	1079.7
22.5°	1071.3	1060.8	1062.9	1052.4	1050.3
25°	1039.8	1029.3	1033.5	1018.8	1016.7
27.5°	1008.3	995.7	997.8	983.1	981.0
30°	972.6	962.1	964.2	947.4	945.3
32.5°	934.8	924.3	924.3	909.5	905.3
35°	896.9	886.4	886.4	871.7	867.5
37.5°	857.0	846.5	846.5	831.8	829.7
40°	815.0	806.6	804.5	789.8	789.8
42.5°	773.0	766.7	762.5	749.9	749.9
45°	731.0	724.7	720.5	710.0	710.0
47.5°	689.0	682.7	678.5	670.1	670.1
50°	644.9	640.7	636.5	628.1	626.0
52.5°	600.8	598.7	594.5	586.1	584.0
55°	556.7	554.6	552.4	537.7	533.5
57.5°	508.3	506.2	502.0	491.5	489.4
60°	464.2	460.0	457.9	447.4	447.4
62.5°	420.1	418.0	413.8	403.3	401.2
65°	373.9	373.9	367.6	359.2	357.1
67.5°	329.8	327.7	321.4	315.1	313.0
70°	285.7	283.6	275.2	273.1	271.0
72.5°	239.5	237.4	233.2	229.0	226.9
75°	193.3	193.3	191.2	187.0	184.9
77.5°	151.2	151.2	149.1	147.0	144.9
80°	109.2	111.3	109.2	107.1	105.0
82.5°	73.5	75.6	73.5	73.5	71.4
85°	42.0	44.1	44.1	44.1	42.0
87.5°	16.8	18.9	18.9	16.8	16.8
90°	4.2	6.3	6.3	8.4	8.4
92.5°	10.5	12.6	10.5	12.6	10.5
95°	23.1	25.2	21.0	18.9	16.8
97.5°	35.7	46.2	33.6	31.5	29.4
100°	48.3	60.9	54.6	44.1	37.8
102.5°	60.9	86.1	79.8	63.0	56.7
105°	71.4	111.3	84.0	94.5	86.1
107.5°	84.0	136.5	100.8	100.8	107.1
110°	94.5	170.1	128.1	105.0	105.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	102.9	212.2	155.4	121.8	113.4
115°	113.4	218.5	182.7	149.1	136.5
117.5°	121.8	222.7	208.0	178.5	163.8
120°	130.2	229.0	229.0	203.8	191.2
122.5°	138.6	233.2	241.6	231.1	220.6
125°	147.0	235.3	273.1	254.2	245.8
127.5°	153.3	224.8	292.0	271.0	266.8
130°	157.5	199.6	287.8	277.3	283.6
132.5°	163.8	193.3	283.6	304.6	287.8
135°	168.0	195.4	283.6	319.3	319.3
137.5°	174.3	197.5	285.7	310.9	325.6
140°	176.4	197.5	285.7	304.6	317.2
142.5°	180.6	199.6	283.6	300.4	308.8
145°	182.7	199.6	268.9	302.5	304.6
147.5°	184.9	199.6	233.2	298.3	304.6
150°	187.0	199.6	224.8	296.2	300.4
152.5°	189.1	199.6	220.6	268.9	296.2
155°	189.1	199.6	218.5	235.3	254.2
157.5°	191.2	199.6	216.4	229.0	233.2
160°	193.3	199.6	214.3	224.8	226.9
162.5°	193.3	197.5	210.1	220.6	220.6
165°	193.3	197.5	208.0	214.3	214.3
167.5°	195.4	197.5	203.8	210.1	208.0
170°	195.4	195.4	201.7	205.9	203.8
172.5°	195.4	195.4	199.6	201.7	199.6
175°	195.4	195.4	197.5	197.5	193.3
177.5°	195.4	195.4	195.4	195.4	191.2
180°	193.3	193.3	193.3	193.3	193.3

(END OF REPORT)