

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: P253281

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253281
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-40L830-1D-UNV-STD-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3918.4 lumens
Efficiency: N/A
Efficacy: 120.2 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

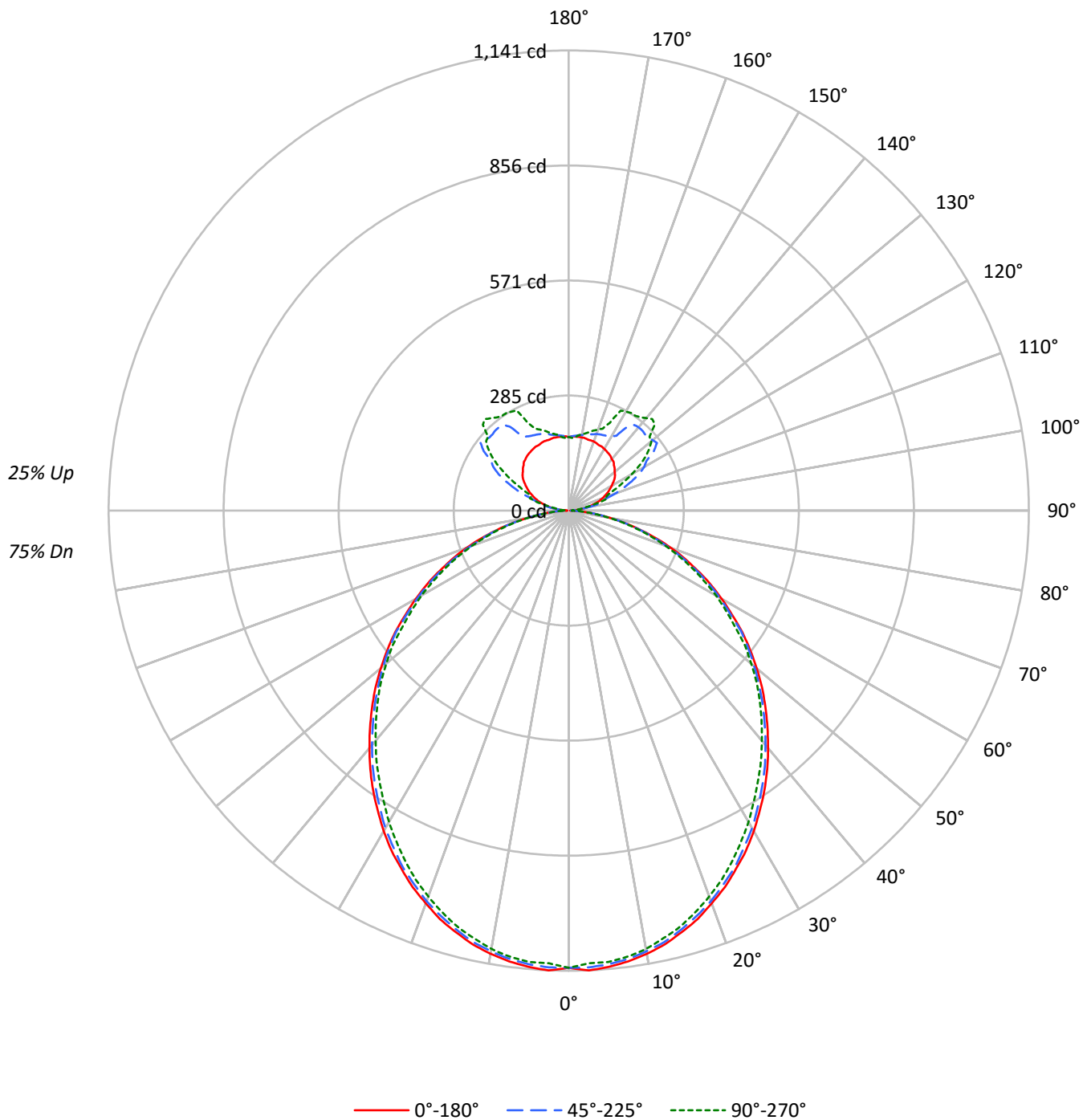
Input Watts (W): 32.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9151	9151	9151
5°	9202	9154	9105
10°	9146	9097	9048
15°	9043	8993	8927
20°	8904	8853	8751
25°	8737	8685	8543
30°	8553	8479	8313
35°	8340	8242	8066
40°	8103	7999	7852
45°	7873	7760	7647
50°	7641	7541	7416
55°	7391	7336	7084
60°	7070	6975	6815
65°	6737	6625	6436
70°	6361	6128	6033
75°	5686	5624	5440
80°	4788	4788	4607
85°	3668	3853	3668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	2.7
10°-20°	302.3	7.7
20°-30°	446.2	11.4
30°-40°	520.1	13.3
40°-50°	523.4	13.4
50°-60°	460.9	11.8
60°-70°	342.1	8.7
70°-80°	190.3	4.9
80°-90°	49.5	1.3
90°-100°	25.0	0.6
100°-110°	89.7	2.3
110°-120°	156.8	4.0
120°-130°	197.8	5.0
130°-140°	187.2	4.8
140°-150°	149.1	3.8
150°-160°	97.8	2.5
160°-170°	55.3	1.4
170°-180°	17.8	0.5
0°-30°	855.4	21.8
0°-40°	1375.6	35.1
0°-60°	2359.9	60.2
0°-90°	2941.8	75.1
90°-120°	271.6	6.9
90°-150°	805.7	20.6
90°-180°	977.0	24.9
0°-180°	3918.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1134	1134	1134	1134	1134	
5°	1136	1124	1130	1126	1124	108
15°	1082	1070	1076	1070	1068	305
25°	981	971	975	961	959	452
35°	846	836	836	822	818	529
45°	690	684	680	670	670	532
55°	525	523	521	507	503	468
65°	353	353	347	339	337	350
75°	182	182	180	176	174	194
85°	40	42	42	42	40	46
90°	4	6	6	8	8	5
95°	22	24	20	18	16	23
105°	67	105	79	89	81	72
115°	107	206	172	141	129	105
125°	139	222	258	240	232	123
135°	158	184	268	301	301	123
145°	172	188	254	285	287	108
155°	178	188	206	222	240	83
165°	182	186	196	202	202	52
175°	184	184	186	186	182	18
180°	182	182	182	182	182	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.5	1133.5	1133.5	1133.5	1133.5
2.5°	1141.4	1127.6	1133.5	1131.5	1123.6
5°	1135.5	1123.6	1129.6	1125.6	1123.6
7.5°	1127.6	1115.7	1121.6	1117.7	1115.7
10°	1115.7	1103.8	1109.7	1103.8	1103.8
12.5°	1101.8	1087.9	1095.9	1087.9	1086.0
15°	1082.0	1070.1	1076.0	1070.1	1068.1
17.5°	1062.2	1050.3	1054.2	1048.3	1044.3
20°	1036.4	1026.5	1030.5	1020.6	1018.6
22.5°	1010.7	1000.7	1002.7	992.8	990.8
25°	980.9	971.0	975.0	961.1	959.1
27.5°	951.2	939.3	941.3	927.4	925.4
30°	917.5	907.6	909.6	893.7	891.8
32.5°	881.8	871.9	871.9	858.1	854.1
35°	846.2	836.3	836.3	822.4	818.4
37.5°	808.5	798.6	798.6	784.7	782.8
40°	768.9	761.0	759.0	745.1	745.1
42.5°	729.3	723.3	719.3	707.5	707.5
45°	689.6	683.7	679.7	669.8	669.8
47.5°	650.0	644.0	640.1	632.2	632.2
50°	608.4	604.4	600.4	592.5	590.5
52.5°	566.8	564.8	560.8	552.9	550.9
55°	525.1	523.2	521.2	507.3	503.3
57.5°	479.6	477.6	473.6	463.7	461.7
60°	437.9	434.0	432.0	422.1	422.1
62.5°	396.3	394.4	390.4	380.5	378.5
65°	352.7	352.7	346.8	338.9	336.9
67.5°	311.1	309.1	303.2	297.3	295.3
70°	269.5	267.5	259.6	257.6	255.6
72.5°	225.9	223.9	220.0	216.0	214.0
75°	182.3	182.3	180.3	176.4	174.4
77.5°	142.7	142.7	140.7	138.7	136.7
80°	103.0	105.0	103.0	101.1	99.1
82.5°	69.4	71.3	69.4	69.4	67.4
85°	39.6	41.6	41.6	41.6	39.6
87.5°	15.9	17.8	17.8	15.9	15.9
90°	4.0	5.9	5.9	7.9	7.9
92.5°	9.9	11.9	9.9	11.9	9.9
95°	21.8	23.8	19.8	17.8	15.9
97.5°	33.7	43.6	31.7	29.7	27.7
100°	45.6	57.5	51.5	41.6	35.7
102.5°	57.5	81.2	75.3	59.5	53.5
105°	67.4	105.0	79.3	89.2	81.2
107.5°	79.3	128.8	95.1	95.1	101.1
110°	89.2	160.5	120.9	99.1	99.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	97.1	200.1	146.6	114.9	107.0
115°	107.0	206.1	172.4	140.7	128.8
117.5°	114.9	210.1	196.2	168.4	154.6
120°	122.9	216.0	216.0	192.2	180.3
122.5°	130.8	220.0	227.9	218.0	208.1
125°	138.7	221.9	257.6	239.8	231.9
127.5°	144.7	212.0	275.5	255.6	251.7
130°	148.6	188.3	271.5	261.6	267.5
132.5°	154.6	182.3	267.5	287.3	271.5
135°	158.5	184.3	267.5	301.2	301.2
137.5°	164.5	186.3	269.5	293.3	307.2
140°	166.5	186.3	269.5	287.3	299.2
142.5°	170.4	188.3	267.5	283.4	291.3
145°	172.4	188.3	253.7	285.4	287.3
147.5°	174.4	188.3	220.0	281.4	287.3
150°	176.4	188.3	212.0	279.4	283.4
152.5°	178.4	188.3	208.1	253.7	279.4
155°	178.4	188.3	206.1	221.9	239.8
157.5°	180.3	188.3	204.1	216.0	220.0
160°	182.3	188.3	202.1	212.0	214.0
162.5°	182.3	186.3	198.2	208.1	208.1
165°	182.3	186.3	196.2	202.1	202.1
167.5°	184.3	186.3	192.2	198.2	196.2
170°	184.3	184.3	190.2	194.2	192.2
172.5°	184.3	184.3	188.3	190.2	188.3
175°	184.3	184.3	186.3	186.3	182.3
177.5°	184.3	184.3	184.3	184.3	180.3
180°	182.3	182.3	182.3	182.3	182.3

(END OF REPORT)