

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: G2-1707-177-1

Luminaire Tested: **J2-WL-20L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1707-177-1
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-20L835-1D-UNV-STD-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1977.3 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

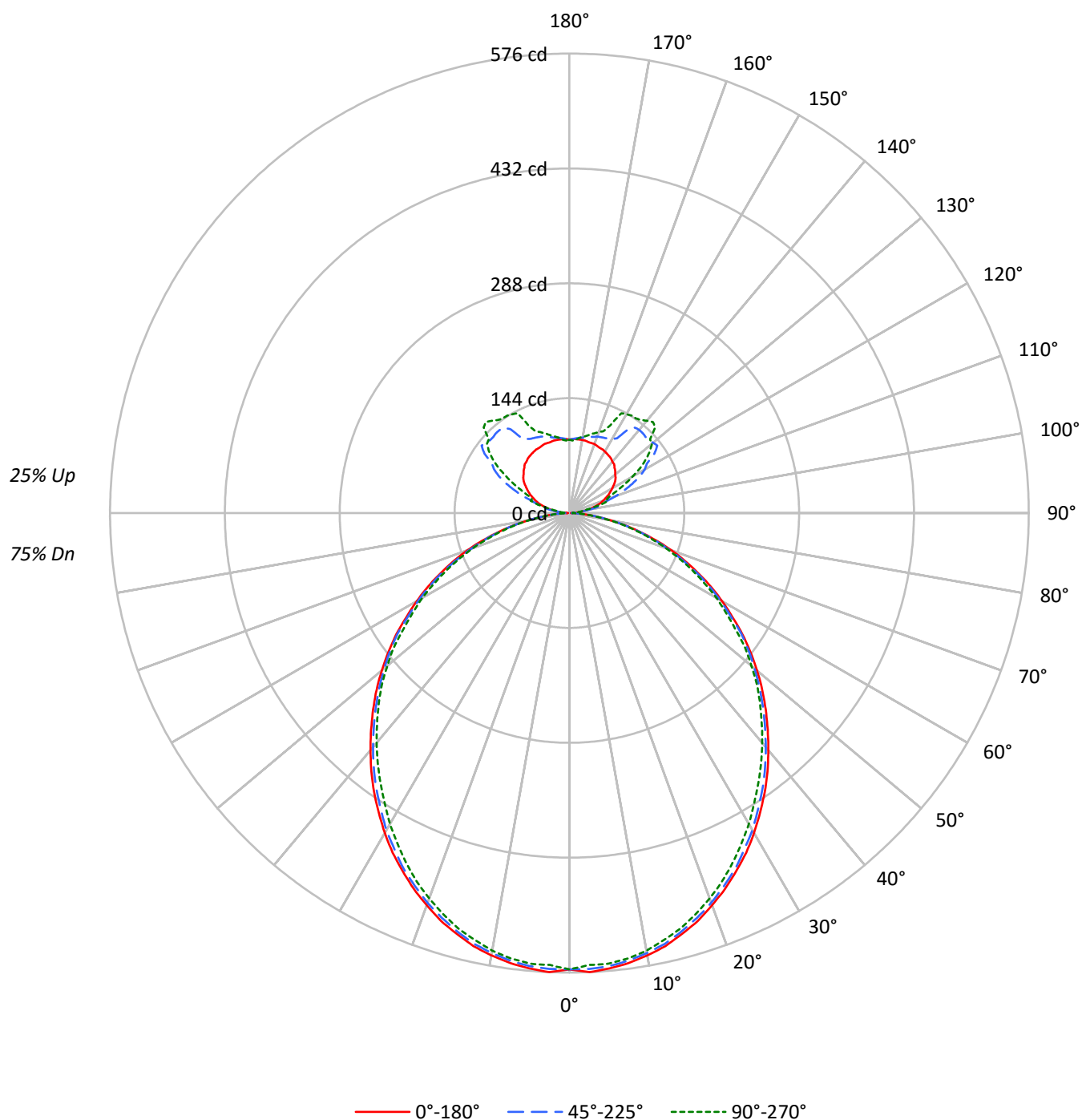
Input Watts (W): 14.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1847	1847	1847
5°	1854	1834	1822
10°	1839	1809	1795
15°	1815	1775	1755
20°	1784	1733	1704
25°	1747	1686	1648
30°	1706	1631	1586
35°	1659	1570	1522
40°	1607	1506	1462
45°	1557	1443	1403
50°	1505	1382	1338
55°	1449	1320	1251
60°	1378	1226	1173
65°	1302	1130	1070
70°	1215	1002	955
75°	1065	861	800
80°	865	651	593
85°	598	394	346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	2.7
10°-20°	152.6	7.7
20°-30°	225.1	11.4
30°-40°	262.5	13.3
40°-50°	264.1	13.4
50°-60°	232.6	11.8
60°-70°	172.6	8.7
70°-80°	96.0	4.9
80°-90°	25.0	1.3
90°-100°	12.6	0.6
100°-110°	45.3	2.3
110°-120°	79.1	4.0
120°-130°	99.8	5.0
130°-140°	94.5	4.8
140°-150°	75.2	3.8
150°-160°	49.4	2.5
160°-170°	27.9	1.4
170°-180°	9.0	0.5
0°-30°	431.7	21.8
0°-40°	694.1	35.1
0°-60°	1190.9	60.2
0°-90°	1484.5	75.1
90°-120°	137.1	6.9
90°-150°	406.6	20.6
90°-180°	493.0	24.9
0°-180°	1977.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	573	567	570	568	567	54
15°	546	540	543	540	539	154
25°	495	490	492	485	484	228
35°	427	422	422	415	413	267
45°	348	345	343	338	338	269
55°	265	264	263	256	254	236
65°	178	178	175	171	170	177
75°	92	92	91	89	88	98
85°	20	21	21	21	20	23
90°	2	3	3	4	4	2
95°	11	12	10	9	8	11
105°	34	53	40	45	41	36
115°	54	104	87	71	65	53
125°	70	112	130	121	117	62
135°	80	93	135	152	152	62
145°	87	95	128	144	145	55
155°	90	95	104	112	121	42
165°	92	94	99	102	102	26
175°	93	93	94	94	92	9
180°	92	92	92	92	92	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	572	572	572	572	572
2.5°	576	569	572	571	567
5°	573	567	570	568	567
7.5°	569	563	566	564	563
10°	563	557	560	557	557
12.5°	556	549	553	549	548
15°	546	540	543	540	539
17.5°	536	530	532	529	527
20°	523	518	520	515	514
22.5°	510	505	506	501	500
25°	495	490	492	485	484
27.5°	480	474	475	468	467
30°	463	458	459	451	450
32.5°	445	440	440	433	431
35°	427	422	422	415	413
37.5°	408	403	403	396	395
40°	388	384	383	376	376
42.5°	368	365	363	357	357
45°	348	345	343	338	338
47.5°	328	325	323	319	319
50°	307	305	303	299	298
52.5°	286	285	283	279	278
55°	265	264	263	256	254
57.5°	242	241	239	234	233
60°	221	219	218	213	213
62.5°	200	199	197	192	191
65°	178	178	175	171	170
67.5°	157	156	153	150	149
70°	136	135	131	130	129
72.5°	114	113	111	109	108
75°	92	92	91	89	88
77.5°	72	72	71	70	69
80°	52	53	52	51	50
82.5°	35	36	35	35	34
85°	20	21	21	21	20
87.5°	8	9	9	8	8
90°	2	3	3	4	4
92.5°	5	6	5	6	5
95°	11	12	10	9	8
97.5°	17	22	16	15	14
100°	23	29	26	21	18
102.5°	29	41	38	30	27
105°	34	53	40	45	41
107.5°	40	65	48	48	51
110°	45	81	61	50	50



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	49	101	74	58	54
115°	54	104	87	71	65
117.5°	58	106	99	85	78
120°	62	109	109	97	91
122.5°	66	111	115	110	105
125°	70	112	130	121	117
127.5°	73	107	139	129	127
130°	75	95	137	132	135
132.5°	78	92	135	145	137
135°	80	93	135	152	152
137.5°	83	94	136	148	155
140°	84	94	136	145	151
142.5°	86	95	135	143	147
145°	87	95	128	144	145
147.5°	88	95	111	142	145
150°	89	95	107	141	143
152.5°	90	95	105	128	141
155°	90	95	104	112	121
157.5°	91	95	103	109	111
160°	92	95	102	107	108
162.5°	92	94	100	105	105
165°	92	94	99	102	102
167.5°	93	94	97	100	99
170°	93	93	96	98	97
172.5°	93	93	95	96	95
175°	93	93	94	94	92
177.5°	93	93	93	93	91
180°	92	92	92	92	92

(END OF REPORT)