

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: G3-1805-784-11

Luminaire Tested: **J2-WL-30L83050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G3-1805-784-11
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L83050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2974.4 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.31' x L: 3.62' x H: 0')
CIE Type: Semi-Direct

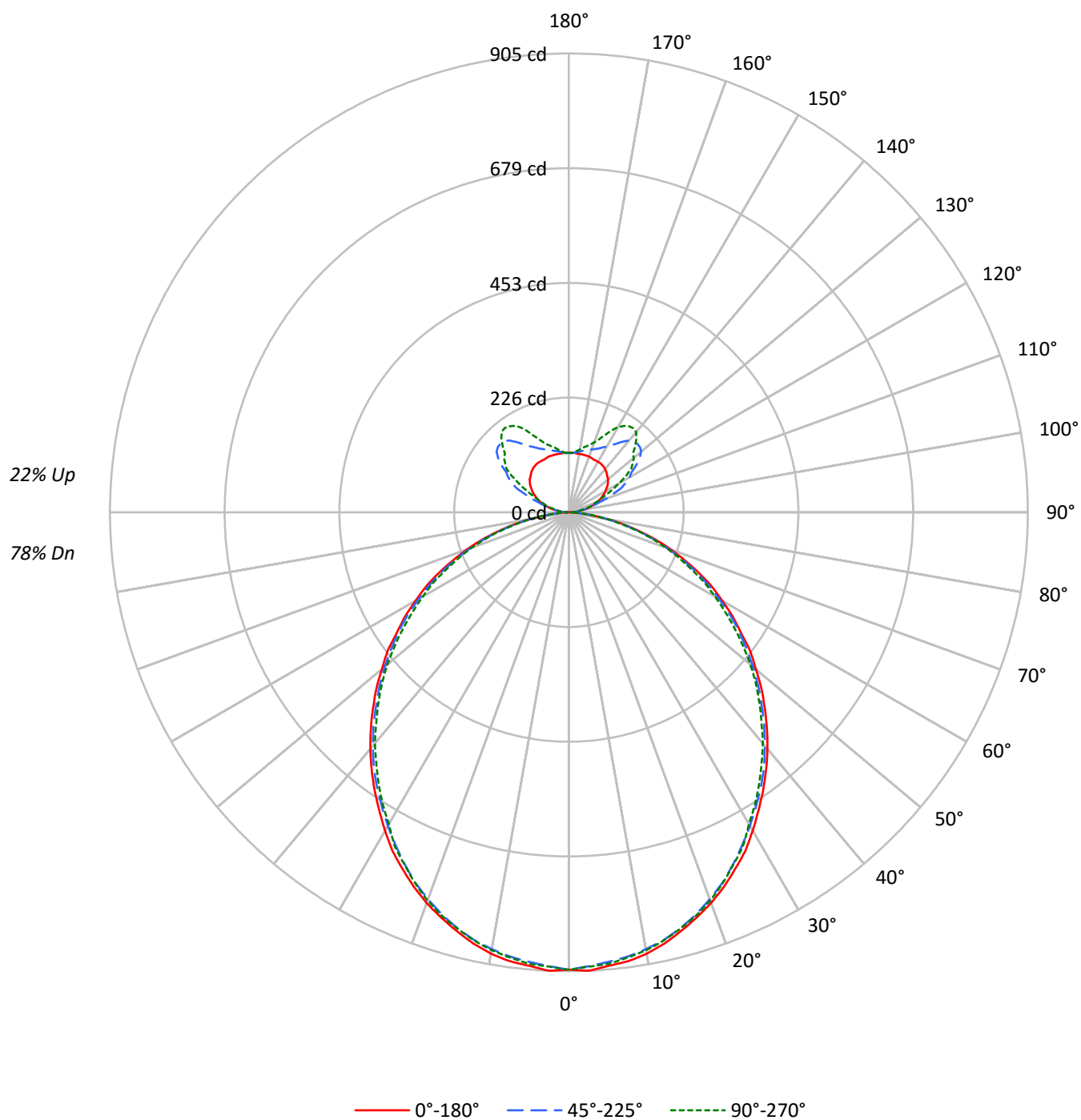
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	114	114	114	109	109	109	109	99	99	99		90	90	90		82
1	104	100	96	92	99	95	92	89	87	84	82		80	77	75		73
2	95	87	81	75	90	83	78	73	76	72	68		70	66	63		64
3	87	77	69	63	82	73	66	61	67	62	57		62	57	53		57
4	79	68	60	53	75	65	58	52	60	54	49		55	50	46		51
5	73	61	52	46	69	58	50	45	54	47	42		50	44	40		46
6	67	55	46	40	64	53	45	39	49	42	37		45	39	35		41
7	62	50	41	35	59	48	40	34	44	38	33		41	35	31		38
8	58	45	37	31	55	44	36	31	40	34	29		38	32	28		35
9	54	41	33	28	52	40	33	28	37	31	26		35	29	25		32
10	51	38	31	25	48	37	30	25	34	28	24		32	27	23		30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8571	8571	8571
5°	8565	8489	8527
10°	8529	8442	8462
15°	8411	8352	8362
20°	8292	8211	8241
25°	8136	8031	8041
30°	7955	7834	7790
35°	7749	7656	7586
40°	7554	7455	7380
45°	7337	7216	7135
50°	7110	7007	6903
55°	6858	6776	6610
60°	6632	6499	6328
65°	6363	6205	6003
70°	5945	5751	5640
75°	5287	5103	5066
80°	4268	4159	4159
85°	2617	2835	2835



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	2.9
10°-20°	240.3	8.1
20°-30°	354.3	11.9
30°-40°	413.5	13.9
40°-50°	415.3	14.0
50°-60°	365.4	12.3
60°-70°	272.2	9.2
70°-80°	148.9	5.0
80°-90°	33.9	1.1
90°-100°	17.3	0.6
100°-110°	54.5	1.8
110°-120°	102.3	3.4
120°-130°	128.9	4.3
130°-140°	126.9	4.3
140°-150°	102.5	3.4
150°-160°	65.9	2.2
160°-170°	36.0	1.2
170°-180°	11.4	0.4
0°-30°	679.5	22.8
0°-40°	1093.0	36.7
0°-60°	1873.8	63.0
0°-90°	2328.7	78.3
90°-120°	174.0	5.9
90°-150°	532.4	17.9
90°-180°	646.0	21.7
0°-180°	2974.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	898	896	890	897	894	85
15°	855	856	849	853	850	241
25°	776	771	766	768	767	358
35°	668	667	660	656	654	418
45°	546	545	537	531	531	422
55°	414	416	409	402	399	372
65°	283	281	276	269	267	279
75°	144	142	139	139	138	153
85°	24	25	26	27	26	31
90°	1	2	3	4	3	2
95°	16	15	15	16	17	16
105°	45	72	47	46	43	48
115°	72	143	114	86	80	71
125°	93	148	162	150	150	83
135°	106	132	191	192	185	82
145°	114	128	166	200	207	71
155°	115	125	139	159	168	53
165°	117	120	126	132	135	33
175°	118	118	118	120	119	11
180°	117	117	117	117	117	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	902	902	902	902	902
2.5°	905	900	896	901	897
5°	898	896	890	897	894
7.5°	893	890	884	890	886
10°	884	882	875	879	877
12.5°	871	871	864	868	865
15°	855	856	849	853	850
17.5°	838	839	832	836	834
20°	820	817	812	815	815
22.5°	799	795	791	791	792
25°	776	771	766	768	767
27.5°	753	747	740	743	743
30°	725	721	714	716	710
32.5°	696	694	687	686	683
35°	668	667	660	656	654
37.5°	639	639	632	628	624
40°	609	607	601	596	595
42.5°	578	577	570	564	562
45°	546	545	537	531	531
47.5°	515	512	506	499	500
50°	481	481	474	468	467
52.5°	451	448	441	437	433
55°	414	416	409	402	399
57.5°	383	383	377	369	365
60°	349	349	342	337	333
62.5°	318	316	309	303	302
65°	283	281	276	269	267
67.5°	247	246	240	236	235
70°	214	211	207	204	203
72.5°	179	176	174	171	171
75°	144	142	139	139	138
77.5°	111	109	109	107	105
80°	78	79	76	76	76
82.5°	49	50	48	48	48
85°	24	25	26	27	26
87.5°	7	9	11	12	11
90°	1	2	3	4	3
92.5°	8	9	11	12	12
95°	16	15	15	16	17
97.5°	23	24	19	20	20
100°	31	38	29	24	24
102.5°	38	55	38	33	30
105°	45	72	47	46	43
107.5°	52	88	60	49	49
110°	60	107	76	60	56



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	66	128	94	71	67
115°	72	143	114	86	80
117.5°	78	150	127	105	96
120°	83	153	138	124	114
122.5°	88	152	146	141	133
125°	93	148	162	150	150
127.5°	97	142	176	159	158
130°	101	137	186	164	167
132.5°	103	134	190	178	171
135°	106	132	191	192	185
137.5°	109	132	189	201	197
140°	111	131	185	205	206
142.5°	113	129	176	204	209
145°	114	128	166	200	207
147.5°	115	127	157	193	202
150°	115	126	150	183	194
152.5°	115	125	144	170	182
155°	115	125	139	159	168
157.5°	116	123	135	150	156
160°	117	122	132	143	147
162.5°	117	121	129	137	140
165°	117	120	126	132	135
167.5°	117	120	124	129	131
170°	117	119	122	125	126
172.5°	117	119	120	122	122
175°	118	118	118	120	119
177.5°	118	118	117	118	117
180°	117	117	117	117	117

(END OF REPORT)