

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: G3-1805-784-21

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-1805-784-21  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: JW-WL-30L83050-1D-UNV-W2A-W-4 (3500K)  
Description: JAYLUM WALL 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: 3015.5 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

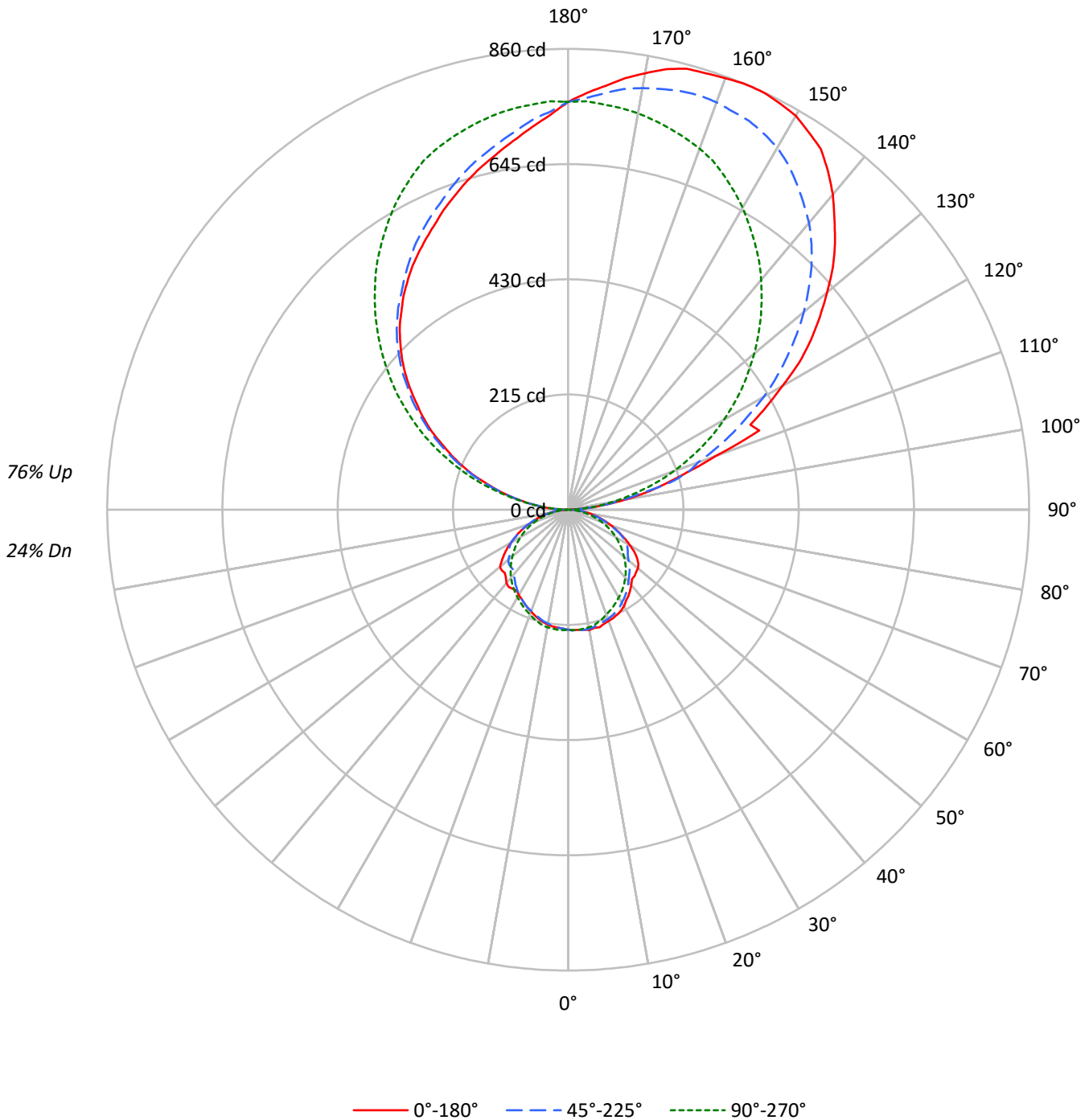
Input Watts (W): 27.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32
1	92	87	83	80	81	78	74	72	60	57	56	43	42	40	28	27	26
2	83	76	70	65	74	68	63	58	52	49	46	37	35	33	24	23	22
3	76	66	59	54	67	59	53	48	46	41	38	33	30	28	21	20	18
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16
5	63	52	44	38	56	46	40	35	36	31	27	26	23	20	17	15	13
6	58	46	38	33	51	41	35	30	32	27	24	23	20	18	15	13	12
7	53	42	34	29	47	37	31	26	29	24	21	21	18	15	14	12	10
8	49	38	30	25	44	34	27	23	26	21	18	19	16	14	13	11	9
9	46	34	27	22	41	31	24	20	24	19	16	17	14	12	12	10	8
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	7

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	2411	2411	2411
5°	2431	2431	2388
10°	2492	2437	2383
15°	2530	2418	2351
20°	2531	2383	2314
25°	2565	2363	2292
30°	2585	2349	2287
35°	2576	2339	2365
40°	2571	2333	2515
45°	2664	2314	2542
50°	2847	2277	2780
55°	2946	2252	2740
60°	2863	2217	2648
65°	2751	2165	2572
70°	2675	2077	2455
75°	2578	1955	2371
80°	2541	1798	2232
85°	3088	1482	2223



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.3	0.7
10°-20°	61.2	2.0
20°-30°	93.1	3.1
30°-40°	113.6	3.8
40°-50°	123.4	4.1
50°-60°	120.3	4.0
60°-70°	96.8	3.2
70°-80°	59.5	2.0
80°-90°	21.0	0.7
90°-100°	43.2	1.4
100°-110°	165.2	5.5
110°-120°	291.1	9.7
120°-130°	379.3	12.6
130°-140°	419.0	13.9
140°-150°	400.1	13.3
150°-160°	324.9	10.8
160°-170°	210.1	7.0
170°-180°	72.3	2.4
0°-30°	175.7	5.8
0°-40°	289.3	9.6
0°-60°	533.0	17.7
0°-90°	710.3	23.6
90°-120°	499.5	16.6
90°-150°	1697.9	56.3
90°-180°	2305.0	76.4
0°-180°	3015.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	224	224	224	224	224	
5°	225	226	225	221	221	22
15°	227	222	217	209	211	64
25°	216	210	199	193	193	100
35°	196	189	178	171	180	123
45°	175	162	152	151	167	135
55°	157	136	120	132	146	139
65°	108	107	85	101	101	107
75°	62	60	47	56	57	66
85°	25	22	12	18	18	24
90°	5	4	1	4	2	5
95°	34	36	33	36	39	44
105°	188	198	144	132	132	203
115°	375	339	273	246	240	385
125°	553	499	396	355	345	492
135°	704	642	508	452	443	542
145°	822	743	607	531	522	511
155°	860	800	688	605	588	397
165°	852	809	736	672	655	241
175°	794	780	759	732	720	77
180°	761	761	761	761	761	



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CATALOG NUMBER: JW-WL-30L83050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	224	224	224	224	224	224	224	224	224
2.5°	225	226	226	225	225	225	222	223	222
5°	225	228	226	226	225	223	221	222	221
7.5°	226	228	226	225	224	221	219	219	220
10°	228	228	226	225	223	219	216	216	218
12.5°	226	228	224	223	221	217	213	213	215
15°	227	226	222	220	217	214	209	209	211
17.5°	223	225	219	217	213	210	205	205	207
20°	221	223	217	213	208	206	201	202	202
22.5°	219	220	214	209	204	201	198	198	198
25°	216	216	210	204	199	195	193	193	193
27.5°	213	212	206	200	194	190	188	188	188
30°	208	206	200	194	189	185	183	182	184
32.5°	201	200	195	189	184	179	177	177	179
35°	196	194	189	183	178	173	171	172	180
37.5°	190	188	182	179	172	167	164	173	182
40°	183	182	175	172	166	162	157	174	179
42.5°	176	175	168	165	159	155	152	171	172
45°	175	169	162	157	152	148	151	164	167
47.5°	172	166	155	149	144	140	150	159	168
50°	170	163	147	142	136	132	146	160	166
52.5°	165	160	140	133	128	124	137	156	156
55°	157	154	136	124	120	116	132	145	146
57.5°	146	145	131	115	111	108	130	135	135
60°	133	134	125	106	103	101	123	123	123
62.5°	121	121	117	98	94	95	112	112	112
65°	108	108	107	89	85	90	101	101	101
67.5°	96	96	95	79	76	81	90	89	89
70°	85	85	83	72	66	73	78	79	78
72.5°	74	73	71	65	56	67	67	67	66
75°	62	62	60	56	47	56	56	56	57
77.5°	52	51	49	45	37	44	45	45	45
80°	41	41	39	34	29	34	34	35	36
82.5°	32	32	30	26	20	24	25	26	26
85°	25	25	22	18	12	16	18	19	18
87.5°	18	18	16	12	7	10	10	11	10
90°	5	5	4	3	1	3	4	3	2
92.5°	9	10	12	14	12	16	20	21	21
95°	34	34	36	35	33	35	36	40	39
97.5°	69	68	66	61	58	56	57	59	59
100°	107	105	99	99	84	80	81	81	81
102.5°	149	145	135	126	113	109	106	105	105
105°	188	186	198	158	144	137	132	131	132
107.5°	234	230	236	195	177	166	161	158	157
110°	293	332	258	233	209	196	190	187	187



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	386	338	298	270	240	227	218	215	214
115°	375	364	339	308	273	257	246	243	240
117.5°	417	408	378	345	305	287	273	270	266
120°	461	451	421	379	335	313	301	298	295
122.5°	511	494	461	416	366	340	327	323	321
125°	553	535	499	447	396	366	355	349	345
127.5°	592	578	537	481	424	392	378	373	372
130°	630	617	574	515	453	416	405	398	397
132.5°	670	651	608	545	481	442	428	422	421
135°	704	688	642	573	508	466	452	445	443
137.5°	735	722	672	602	534	492	473	467	465
140°	768	750	699	628	560	518	493	489	484
142.5°	796	778	721	655	585	539	511	510	504
145°	822	800	743	679	607	560	531	527	522
147.5°	835	819	764	698	629	581	551	546	540
150°	849	831	780	717	651	600	571	562	556
152.5°	855	839	791	733	670	619	588	576	572
155°	860	844	800	746	688	637	605	591	588
157.5°	860	846	804	756	705	656	621	608	606
160°	857	846	809	763	717	673	639	625	622
162.5°	854	845	811	771	727	688	656	643	639
165°	852	843	809	777	736	702	672	660	655
167.5°	842	834	804	781	744	716	686	679	670
170°	827	821	799	783	751	726	701	693	686
172.5°	812	808	792	782	756	737	716	713	702
175°	794	794	780	776	759	745	732	729	720
177.5°	778	780	769	769	763	754	744	747	738
180°	761	761	761	761	761	761	761	761	761

(END OF REPORT)