

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: P253358

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-20-R2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-20L835-1D-UNV-STD-W-4
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1987.9 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.29 / 1.55
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

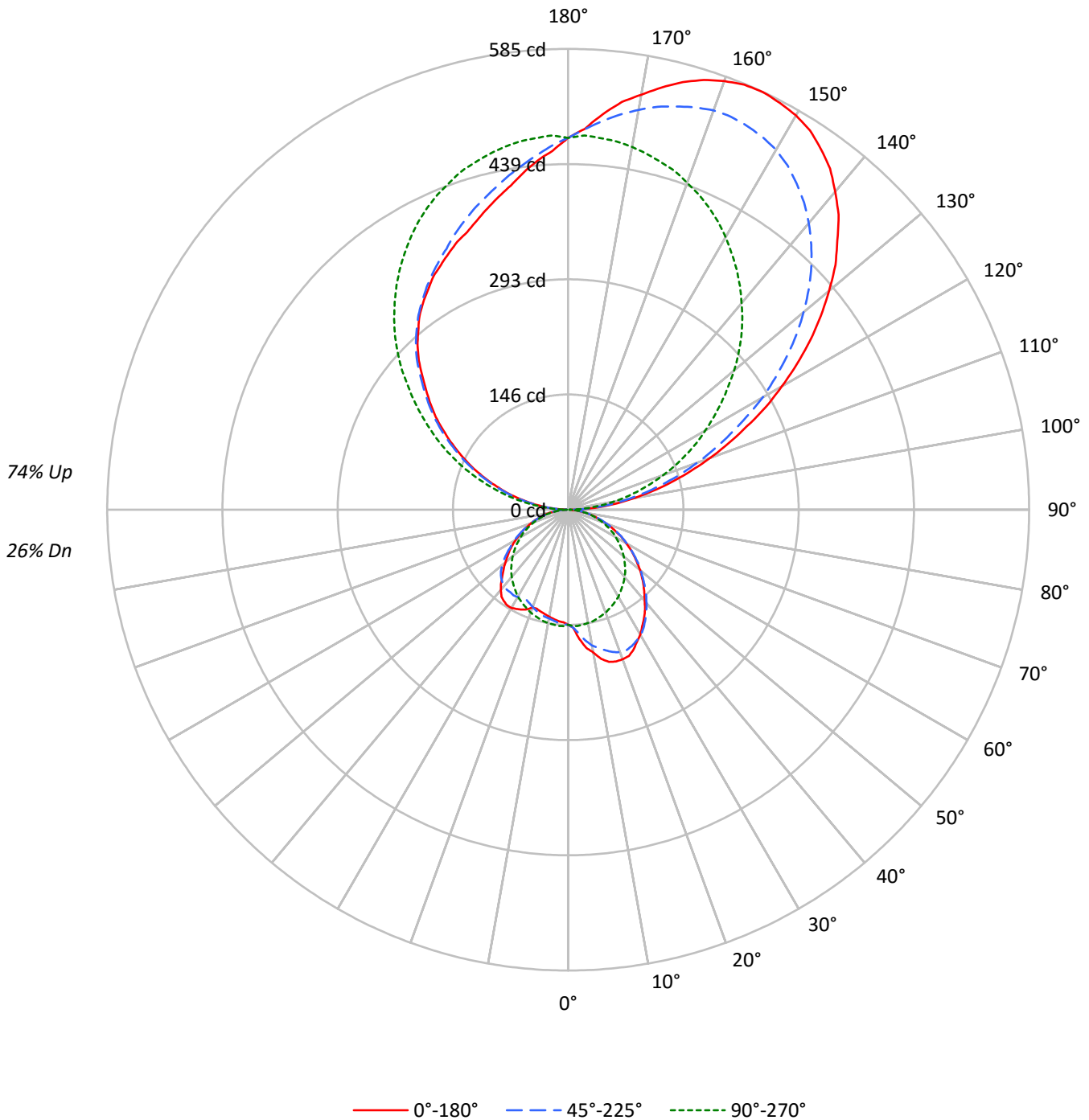
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	72	61	59	57	45	43	42	30	29	28	22
2	84	77	71	66	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	46	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	45	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	14	12	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	13	10	9	7
10	43	31	24	20	38	28	22	18	22	18	15	17	14	11	12	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2357	2357	2357
5°	2674	2399	2301
10°	3017	2394	2262
15°	3343	2390	2240
20°	3471	2388	2268
25°	3492	2378	2494
30°	3412	2377	2685
35°	3311	2355	2799
40°	3183	2350	2803
45°	3083	2329	2694
50°	2989	2311	2612
55°	2871	2280	2562
60°	2745	2244	2486
65°	2598	2216	2445
70°	2408	2172	2360
75°	2246	2121	2308
80°	1953	2092	2325
85°	1853	2038	2594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.7
10°-20°	44.7	2.2
20°-30°	71.7	3.6
30°-40°	90.0	4.5
40°-50°	94.2	4.7
50°-60°	85.0	4.3
60°-70°	65.2	3.3
70°-80°	38.7	1.9
80°-90°	13.9	0.7
90°-100°	33.4	1.7
100°-110°	106.8	5.4
110°-120°	181.3	9.1
120°-130°	240.0	12.1
130°-140°	268.0	13.5
140°-150°	256.0	12.9
150°-160°	206.9	10.4
160°-170°	132.3	6.7
170°-180°	45.1	2.3
0°-30°	130.9	6.6
0°-40°	221.0	11.1
0°-60°	400.2	20.1
0°-90°	518.0	26.1
90°-120°	321.6	16.2
90°-150°	1085.6	54.6
90°-180°	1470.0	73.9
0°-180°	1987.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	165	158	148	144	142	16
15°	200	185	143	136	134	56
25°	196	191	134	126	140	90
35°	168	170	120	128	142	105
45°	135	138	102	120	118	104
55°	102	103	81	94	91	91
65°	68	70	58	64	64	68
75°	36	37	34	36	37	38
85°	10	11	11	13	14	10
90°	4	3	2	2	2	5
95°	41	36	27	22	21	43
105°	136	124	92	80	78	144
115°	250	227	165	144	140	249
125°	375	338	238	208	205	334
135°	483	436	310	272	268	373
145°	559	506	372	323	321	349
155°	585	538	423	366	359	270
165°	562	530	456	410	396	159
175°	504	495	474	452	445	49
180°	472	472	472	472	472	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	146	146	146	146	146	146	146	146	146
2.5°	150	152	150	148	148	146	146	145	143
5°	165	164	158	149	148	145	144	143	142
7.5°	177	175	168	153	147	144	142	141	140
10°	184	183	175	157	146	142	140	139	138
12.5°	194	191	180	161	145	140	139	137	136
15°	200	198	185	164	143	138	137	135	134
17.5°	202	201	190	166	141	136	135	133	132
20°	202	201	193	166	139	133	132	131	132
22.5°	201	200	193	166	136	131	129	133	137
25°	196	197	191	165	134	128	126	138	140
27.5°	189	192	188	164	131	125	126	138	142
30°	183	184	185	163	128	121	128	140	144
32.5°	175	176	178	161	124	118	129	141	144
35°	168	169	171	158	120	114	128	140	142
37.5°	160	161	163	153	116	110	128	137	139
40°	151	153	155	148	112	106	127	134	133
42.5°	143	144	147	143	107	102	124	127	126
45°	135	136	138	136	102	100	121	120	118
47.5°	127	127	129	130	97	98	116	112	111
50°	119	119	120	123	92	95	109	105	104
52.5°	110	111	112	114	87	91	102	98	97
55°	102	102	103	105	81	88	94	91	91
57.5°	94	94	95	96	76	84	86	85	84
60°	85	86	86	88	70	80	79	78	77
62.5°	77	77	78	79	65	74	72	71	70
65°	68	69	70	72	58	68	64	64	64
67.5°	60	60	61	63	52	59	57	57	56
70°	51	52	52	54	46	51	50	51	50
72.5°	43	44	45	46	40	44	43	43	44
75°	36	36	37	38	34	37	37	37	37
77.5°	28	29	29	31	29	30	30	31	31
80°	21	22	22	25	23	24	24	25	25
82.5°	15	16	16	21	17	18	19	19	19
85°	10	10	11	16	11	13	13	14	14
87.5°	4	5	6	12	7	9	9	8	8
90°	4	4	3	8	2	3	2	2	2
92.5°	22	21	18	21	12	12	9	9	9
95°	41	40	37	34	27	24	22	21	21
97.5°	63	62	56	52	42	38	35	34	34
100°	85	84	78	71	59	53	49	48	48
102.5°	110	108	100	90	76	68	65	62	61
105°	136	133	124	111	93	84	80	77	78
107.5°	163	160	149	131	110	101	96	93	92
110°	191	187	174	153	128	117	111	109	108



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	220	216	200	176	147	133	128	125	124
115°	250	244	227	198	165	151	144	141	140
117.5°	283	276	255	221	184	167	160	157	156
120°	313	306	285	243	201	183	176	173	172
122.5°	344	337	312	269	219	199	193	189	188
125°	375	366	339	293	238	214	209	205	205
127.5°	404	394	365	314	256	229	224	221	220
130°	432	422	390	335	275	244	240	236	235
132.5°	460	448	414	355	293	261	255	251	251
135°	483	473	437	375	311	275	272	268	268
137.5°	508	495	457	393	327	290	286	283	283
140°	527	514	475	409	343	304	299	296	296
142.5°	546	532	492	425	358	318	312	309	310
145°	559	546	506	438	373	332	323	321	321
147.5°	571	557	518	450	386	345	335	332	331
150°	578	565	528	461	400	358	345	341	342
152.5°	582	570	534	470	412	371	356	351	350
155°	585	572	538	477	423	383	366	360	359
157.5°	584	572	540	483	433	394	378	368	368
160°	579	569	540	488	442	405	389	377	375
162.5°	572	564	536	490	451	416	400	389	385
165°	562	555	530	490	457	426	410	399	396
167.5°	549	543	524	490	463	435	420	409	407
170°	535	531	516	487	468	443	431	421	418
172.5°	522	518	506	484	472	452	442	433	432
175°	504	502	495	480	474	459	452	445	445
177.5°	484	486	484	476	476	466	463	458	456
180°	472	472	472	472	472	472	472	472	472

(END OF REPORT)