

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: G2-1709-282-2

Luminaire Tested: **CTA-F-7525-40L835-UNV-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1709-282-2  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-7525-40L835-UNV-4  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
4000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT  
Light Source: (336) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3993.3 lumens  
Efficiency: N/A  
Efficacy: 134.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

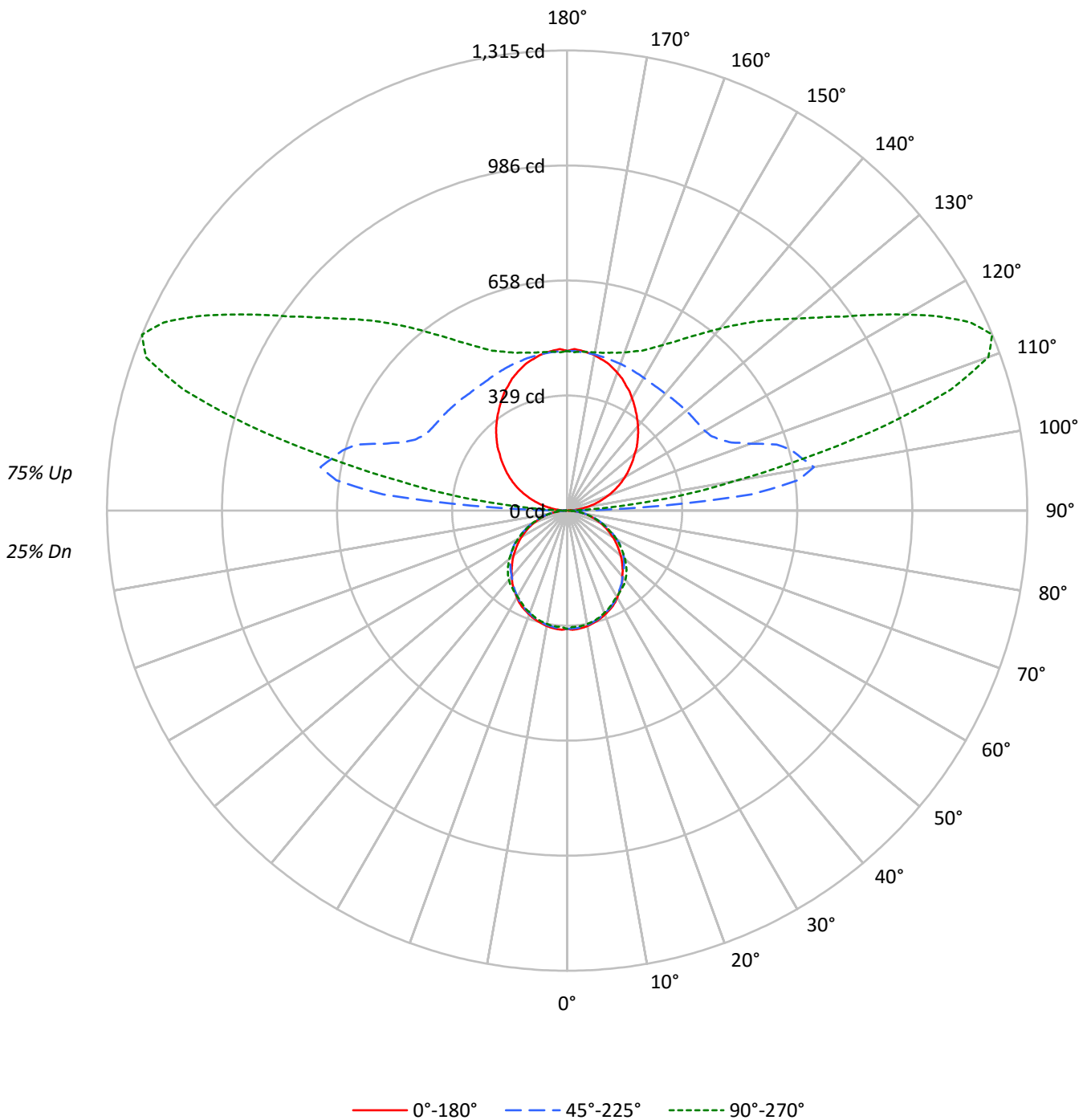
Input Watts (W): 29.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	33	33	33	25
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	39	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	39	34	31	29	22	21	19	14
4	69	59	51	45	62	53	46	41	41	36	33	30	27	25	20	18	17	12
5	64	52	44	39	56	47	40	35	36	32	28	27	24	21	18	16	14	10
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	38	31	26	29	25	21	22	18	16	15	13	11	8
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

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

	0°	45°	90°
0°	2183	2183	2183
5°	2204	2185	2159
10°	2197	2177	2157
15°	2186	2166	2153
20°	2172	2151	2137
25°	2166	2138	2123
30°	2140	2118	2118
35°	2113	2097	2144
40°	2065	2074	2183
45°	2037	2091	2192
50°	2009	2130	2170
55°	1970	2139	2128
60°	1937	2105	2092
65°	1910	2063	2032
70°	1869	2001	1983
75°	1821	1946	1921
80°	1785	1897	1859
85°	1630	1852	1704



TEST NUMBER: G2-1709-282-2

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.9	0.8
10°-20°	91.3	2.3
20°-30°	138.2	3.5
30°-40°	167.6	4.2
40°-50°	177.6	4.4
50°-60°	164.6	4.1
60°-70°	130.3	3.3
70°-80°	81.4	2.0
80°-90°	27.6	0.7
90°-100°	242.2	6.1
100°-110°	614.5	15.4
110°-120°	613.5	15.4
120°-130°	474.8	11.9
130°-140°	375.0	9.4
140°-150°	285.8	7.2
150°-160°	206.0	5.2
160°-170°	127.4	3.2
170°-180°	43.4	1.1
0°-30°	261.4	6.5
0°-40°	429.0	10.7
0°-60°	771.2	19.3
0°-90°	1010.6	25.3
90°-120°	1470.2	36.8
90°-150°	2605.8	65.3
90°-180°	2983.0	74.7
0°-180°	3993.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	338	338	338	338	338	
5°	340	336	337	335	333	32
15°	327	323	324	323	322	92
25°	304	300	300	299	298	140
35°	268	266	266	270	272	167
45°	223	222	229	238	240	172
55°	175	175	190	189	189	157
65°	125	130	135	133	133	124
75°	73	78	78	77	77	77
85°	22	25	25	25	23	24
90°	2	3	3	3	2	4
95°	25	91	528	241	155	27
105°	90	144	665	1082	944	95
115°	158	197	480	1085	1272	156
125°	221	256	448	805	967	198
135°	285	311	440	659	764	220
145°	343	360	436	545	604	215
155°	396	403	442	481	504	183
165°	438	436	450	462	467	123
175°	459	454	455	455	456	44
180°	456	456	456	456	456	



TEST NUMBER: G2-1709-282-2

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	338	338	338	338	338
2.5°	341	337	337	336	333
5°	340	336	337	335	333
7.5°	338	334	334	333	332
10°	335	332	332	331	329
12.5°	331	328	328	327	326
15°	327	323	324	323	322
17.5°	322	318	319	318	317
20°	316	313	313	312	311
22.5°	310	307	307	306	305
25°	304	300	300	299	298
27.5°	296	292	293	291	290
30°	287	284	284	282	284
32.5°	277	275	275	276	278
35°	268	266	266	270	272
37.5°	258	255	257	263	267
40°	245	243	246	256	259
42.5°	235	233	238	248	250
45°	223	222	229	238	240
47.5°	212	211	221	228	228
50°	200	199	212	216	216
52.5°	187	187	202	203	202
55°	175	175	190	189	189
57.5°	163	164	178	175	176
60°	150	153	163	161	162
62.5°	138	142	149	147	147
65°	125	130	135	133	133
67.5°	112	118	120	119	119
70°	99	106	106	105	105
72.5°	86	92	92	91	91
75°	73	78	78	77	77
77.5°	61	64	64	64	63
80°	48	50	51	50	50
82.5°	36	37	38	38	36
85°	22	25	25	25	23
87.5°	12	14	14	14	12
90°	2	3	3	3	2
92.5°	12	59	209	56	34
95°	25	91	528	241	155
97.5°	40	108	665	425	325
100°	56	137	716	632	486
102.5°	73	143	688	874	699
105°	90	144	665	1082	944
107.5°	107	149	628	1199	1150
110°	124	164	558	1226	1281



TEST NUMBER: G2-1709-282-2

CATALOG NUMBER: CTA-F-7525-40L835-UNV-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	141	181	508	1172	1315
115°	158	197	480	1085	1272
117.5°	174	212	463	996	1201
120°	190	227	455	920	1120
122.5°	206	241	451	857	1041
125°	221	256	448	805	967
127.5°	237	270	446	764	906
130°	252	284	444	726	853
132.5°	270	298	442	692	808
135°	285	311	440	659	764
137.5°	300	324	438	627	720
140°	315	336	436	596	679
142.5°	329	348	436	569	639
145°	343	360	436	545	604
147.5°	357	372	436	524	572
150°	371	382	438	507	546
152.5°	385	393	440	492	523
155°	396	403	442	481	504
157.5°	409	413	444	474	492
160°	419	422	446	469	481
162.5°	429	429	447	465	473
165°	438	436	450	462	467
167.5°	444	442	451	458	462
170°	451	448	453	457	459
172.5°	455	451	454	456	457
175°	459	454	455	455	456
177.5°	462	456	456	456	453
180°	456	456	456	456	456

(END OF REPORT)