

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: P234583

Luminaire Tested: **CTA-F-2575-50L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-13)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-50L835-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
5000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (672) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10059.9 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Direct

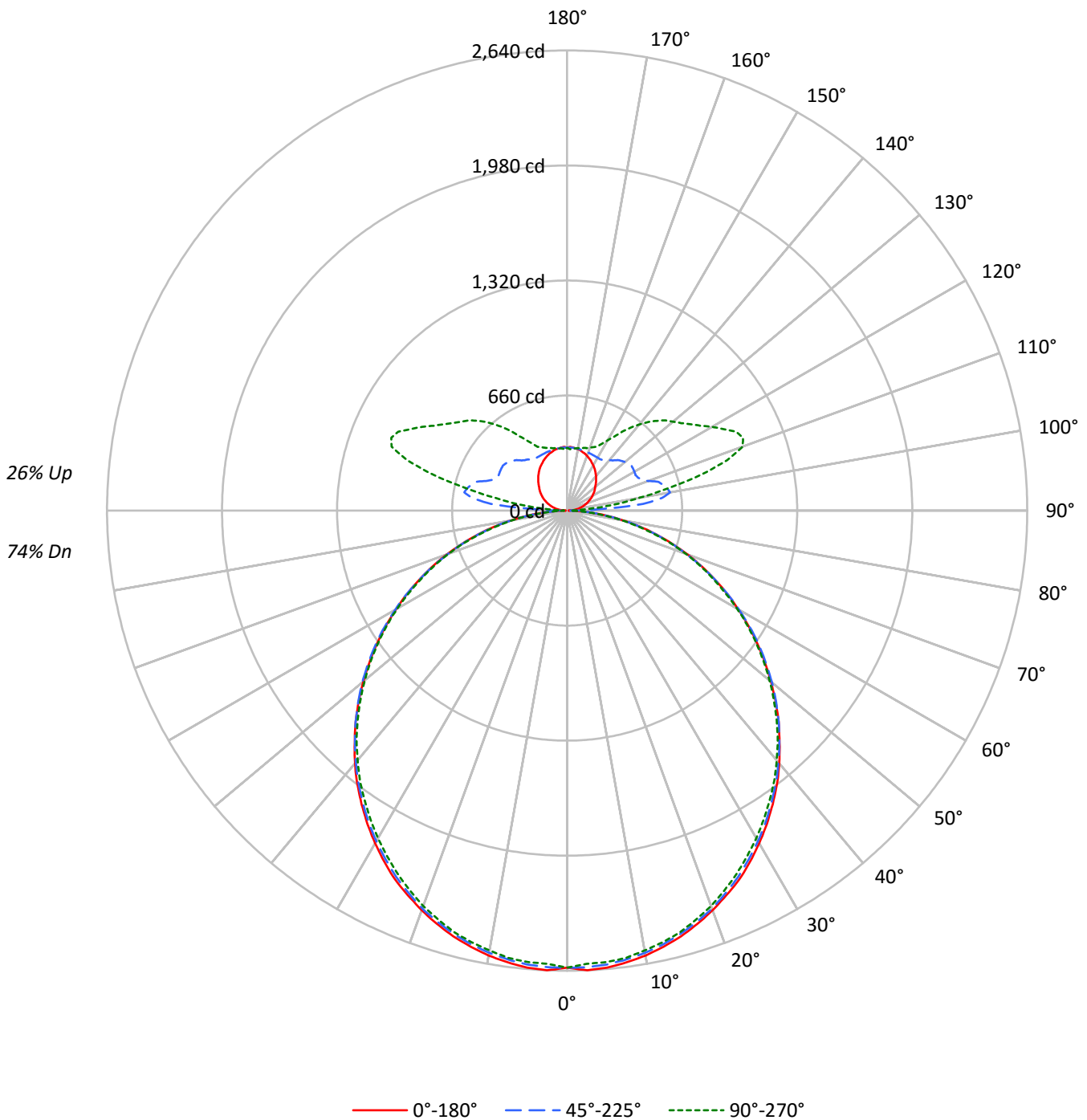
Input Watts (W): 92.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	97	97	97		87	87	87		78	78	78	74
1	103	98	94	90	97	93	90	86	84	82	79		76	74	72		69	67	65	62
2	93	85	79	73	88	81	75	70	74	69	65		67	63	60		60	57	55	51
3	85	75	67	61	80	71	64	59	65	59	54		59	54	50		53	49	46	43
4	78	66	58	51	73	63	56	50	57	51	46		52	47	43		47	43	40	37
5	71	59	50	44	67	56	48	43	51	45	40		47	41	37		42	38	34	32
6	66	53	44	38	62	51	43	37	46	40	35		42	37	32		38	34	30	28
7	61	48	39	34	58	46	38	33	42	35	31		38	33	29		35	30	27	24
8	57	44	35	30	54	42	34	29	38	32	27		35	30	26		32	27	24	22
9	53	40	32	27	50	38	31	26	35	29	24		32	27	23		30	25	22	20
10	49	37	29	24	47	35	28	23	33	26	22		30	25	21		28	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8466	8466	8466
5°	8531	8473	8427
10°	8498	8446	8400
15°	8451	8404	8370
20°	8384	8350	8295
25°	8323	8265	8194
30°	8217	8165	8091
35°	8104	8057	7986
40°	7983	7950	7882
45°	7836	7836	7763
50°	7666	7706	7615
55°	7498	7555	7453
60°	7323	7362	7272
65°	7136	7136	7044
70°	6929	6873	6816
75°	6612	6562	6412
80°	6099	6099	5876
85°	5409	5187	4742



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.0	2.5
10°-20°	708.2	7.0
20°-30°	1065.5	10.6
30°-40°	1275.5	12.7
40°-50°	1317.6	13.1
50°-60°	1191.2	11.8
60°-70°	922.3	9.2
70°-80°	554.4	5.5
80°-90°	162.1	1.6
90°-100°	217.6	2.2
100°-110°	531.5	5.3
110°-120°	540.4	5.4
120°-130°	435.7	4.3
130°-140°	343.7	3.4
140°-150°	244.8	2.4
150°-160°	165.5	1.6
160°-170°	101.3	1.0
170°-180°	34.4	0.3
0°-30°	2021.7	20.1
0°-40°	3297.2	32.8
0°-60°	5806.0	57.7
0°-90°	7444.8	74.0
90°-120°	1289.5	12.8
90°-150°	2313.8	23.0
90°-180°	2615.0	26.0
0°-180°	10059.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2622	2622	2622	2622	2622	
5°	2632	2606	2614	2608	2600	250
15°	2528	2504	2514	2512	2504	713
25°	2336	2310	2320	2306	2300	1075
35°	2056	2036	2044	2034	2026	1286
45°	1716	1706	1716	1706	1700	1323
55°	1332	1330	1342	1330	1324	1191
65°	934	938	934	926	922	925
75°	530	530	526	522	514	560
85°	146	148	140	132	128	157
90°	8	20	20	20	18	14
95°	34	96	438	218	148	36
105°	92	162	570	904	796	97
115°	142	208	448	922	1070	141
125°	190	226	450	738	864	169
135°	234	256	410	632	728	181
145°	280	292	354	484	554	175
155°	318	322	352	388	404	146
165°	346	346	356	370	372	98
175°	364	360	362	362	358	34
180°	360	360	360	360	360	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2622	2622	2622	2622	2622
2.5°	2640	2614	2622	2618	2602
5°	2632	2606	2614	2608	2600
7.5°	2614	2590	2598	2594	2588
10°	2592	2568	2576	2570	2562
12.5°	2562	2538	2548	2542	2536
15°	2528	2504	2514	2512	2504
17.5°	2486	2464	2474	2470	2460
20°	2440	2418	2430	2420	2414
22.5°	2388	2364	2376	2364	2358
25°	2336	2310	2320	2306	2300
27.5°	2272	2246	2256	2242	2236
30°	2204	2180	2190	2176	2170
32.5°	2132	2110	2120	2106	2100
35°	2056	2036	2044	2034	2026
37.5°	1978	1958	1968	1956	1952
40°	1894	1878	1886	1874	1870
42.5°	1804	1792	1802	1792	1788
45°	1716	1706	1716	1706	1700
47.5°	1622	1614	1626	1614	1608
50°	1526	1524	1534	1524	1516
52.5°	1430	1428	1438	1428	1420
55°	1332	1330	1342	1330	1324
57.5°	1234	1234	1242	1230	1226
60°	1134	1136	1140	1130	1126
62.5°	1036	1036	1038	1032	1022
65°	934	938	934	926	922
67.5°	834	836	830	826	824
70°	734	734	728	726	722
72.5°	632	634	626	622	620
75°	530	530	526	522	514
77.5°	430	428	426	416	414
80°	328	332	328	318	316
82.5°	236	238	232	222	220
85°	146	148	140	132	128
87.5°	62	64	54	48	46
90°	8	20	20	20	18
92.5°	24	66	194	64	48
95°	34	96	438	218	148
97.5°	52	114	548	368	284
100°	66	144	600	534	420
102.5°	78	154	588	732	594
105°	92	162	570	904	796
107.5°	104	172	548	998	962
110°	118	188	496	1018	1072



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	130	200	462	984	1092
115°	142	208	448	922	1070
117.5°	156	214	442	860	1012
120°	166	216	446	804	960
122.5°	178	220	448	768	906
125°	190	226	450	738	864
127.5°	200	228	444	714	824
130°	210	236	434	694	794
132.5°	222	244	422	664	766
135°	234	256	410	632	728
137.5°	246	266	390	598	690
140°	258	274	378	562	644
142.5°	268	284	370	526	600
145°	280	292	354	484	554
147.5°	290	300	350	446	504
150°	300	308	350	424	466
152.5°	308	314	350	396	432
155°	318	322	352	388	404
157.5°	326	328	352	380	394
160°	334	336	354	376	384
162.5°	342	342	356	370	376
165°	346	346	356	370	372
167.5°	354	350	358	364	366
170°	358	354	360	364	364
172.5°	360	360	360	362	360
175°	364	360	362	362	358
177.5°	366	360	362	362	352
180°	360	360	360	360	360

(END OF REPORT)