

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: P234575

Luminaire Tested: **CTA-F-2575-40L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-12)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-40L835-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
4000 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: 8183.8 lumens
Efficiency: N/A
Efficacy: 110.6 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

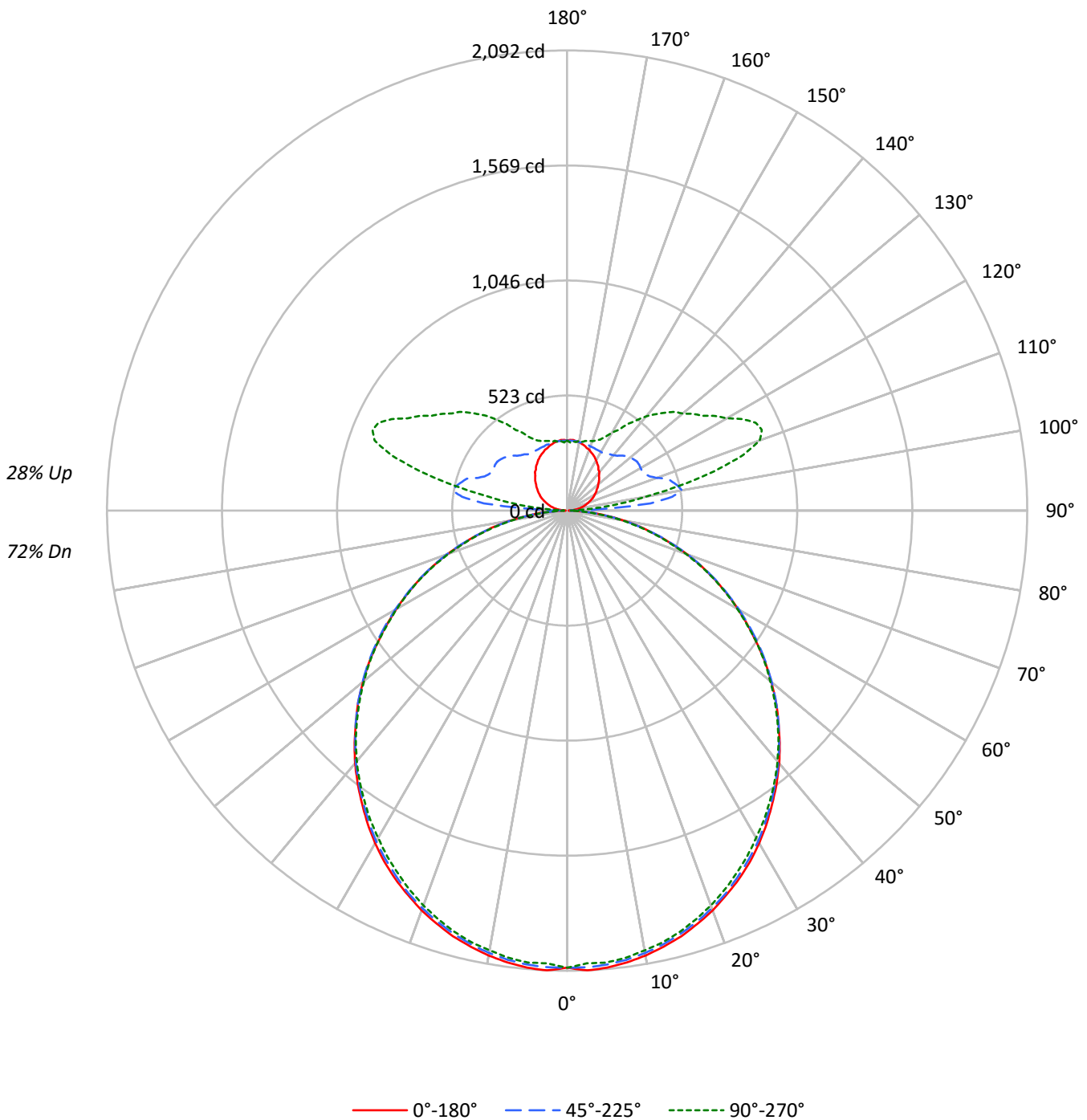
Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	107	107	107	107	96	96	96		86	86	86		76	76	76	72
1	102	98	94	90	97	93	89	86	83	81	78		75	73	71		67	65	64	60
2	93	85	79	73	88	81	75	70	73	68	64		65	62	59		59	56	53	50
3	85	75	67	61	80	71	64	58	64	58	54		58	53	49		52	48	45	42
4	77	66	58	51	73	63	55	49	57	51	46		51	46	42		46	42	39	36
5	71	59	50	44	67	56	48	42	51	44	39		46	41	36		41	37	34	31
6	66	53	44	38	62	50	42	37	46	39	34		42	36	32		38	33	29	27
7	61	48	39	33	57	46	38	32	42	35	30		38	32	28		34	30	26	24
8	56	43	35	30	53	41	34	29	38	31	27		35	29	25		31	27	23	21
9	53	40	32	26	50	38	31	26	35	29	24		32	26	23		29	24	21	19
10	49	36	29	24	47	35	28	23	32	26	22		29	24	20		27	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6710	6710	6710
5°	6761	6716	6683
10°	6735	6695	6656
15°	6699	6659	6625
20°	6645	6611	6563
25°	6584	6541	6484
30°	6510	6473	6405
35°	6409	6378	6338
40°	6323	6297	6272
45°	6201	6201	6174
50°	6088	6098	6058
55°	5933	5978	5933
60°	5799	5838	5773
65°	5654	5684	5623
70°	5476	5513	5400
75°	5165	5215	5090
80°	4872	4797	4649
85°	4223	4149	3705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	2.4
10°-20°	561.2	6.9
20°-30°	844.3	10.3
30°-40°	1010.6	12.3
40°-50°	1045.3	12.8
50°-60°	945.3	11.6
60°-70°	732.2	8.9
70°-80°	438.8	5.4
80°-90°	128.4	1.6
90°-100°	187.9	2.3
100°-110°	464.8	5.7
110°-120°	472.7	5.8
120°-130°	379.2	4.6
130°-140°	298.2	3.6
140°-150°	213.6	2.6
150°-160°	145.3	1.8
160°-170°	89.0	1.1
170°-180°	30.3	0.4
0°-30°	1602.1	19.6
0°-40°	2612.7	31.9
0°-60°	4603.3	56.2
0°-90°	5902.7	72.1
90°-120°	1125.4	13.8
90°-150°	2016.4	24.6
90°-180°	2281.0	27.9
0°-180°	8183.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2078	2078	2078	2078	2078	
5°	2086	2066	2072	2066	2062	198
15°	2004	1986	1992	1990	1982	565
25°	1848	1830	1836	1826	1820	851
35°	1626	1614	1618	1610	1608	1018
45°	1358	1352	1358	1354	1352	1049
55°	1054	1056	1062	1056	1054	944
65°	740	742	744	736	736	732
75°	414	420	418	410	408	440
85°	114	116	112	104	100	124
90°	8	16	16	16	14	12
95°	28	82	380	190	128	29
105°	78	138	498	794	692	83
115°	124	180	392	804	946	122
125°	164	196	388	642	752	148
135°	206	224	354	546	630	159
145°	246	256	312	422	480	153
155°	280	282	308	340	356	129
165°	306	304	312	324	328	86
175°	322	318	318	318	316	30
180°	318	318	318	318	318	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2078	2078	2078	2078	2078
2.5°	2092	2072	2078	2074	2060
5°	2086	2066	2072	2066	2062
7.5°	2072	2054	2060	2054	2050
10°	2054	2034	2042	2036	2030
12.5°	2030	2012	2020	2014	2010
15°	2004	1986	1992	1990	1982
17.5°	1970	1954	1960	1958	1948
20°	1934	1916	1924	1918	1910
22.5°	1892	1874	1884	1874	1868
25°	1848	1830	1836	1826	1820
27.5°	1800	1782	1788	1778	1772
30°	1746	1730	1736	1724	1718
32.5°	1688	1674	1678	1668	1666
35°	1626	1614	1618	1610	1608
37.5°	1564	1552	1556	1550	1550
40°	1500	1488	1494	1490	1488
42.5°	1430	1422	1426	1424	1422
45°	1358	1352	1358	1354	1352
47.5°	1288	1280	1288	1284	1280
50°	1212	1208	1214	1210	1206
52.5°	1136	1132	1140	1136	1132
55°	1054	1056	1062	1056	1054
57.5°	976	978	984	980	972
60°	898	900	904	900	894
62.5°	818	820	822	818	816
65°	740	742	744	736	736
67.5°	660	664	662	656	654
70°	580	582	584	576	572
72.5°	494	502	498	490	488
75°	414	420	418	410	408
77.5°	340	340	336	332	328
80°	262	262	258	254	250
82.5°	186	188	184	178	174
85°	114	116	112	104	100
87.5°	48	50	44	38	36
90°	8	16	16	16	14
92.5°	20	56	154	54	40
95°	28	82	380	190	128
97.5°	42	98	482	322	246
100°	56	122	530	464	362
102.5°	68	134	516	644	524
105°	78	138	498	794	692
107.5°	90	146	480	880	838
110°	100	160	434	894	932



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	112	170	406	864	958
115°	124	180	392	804	946
117.5°	136	184	384	754	900
120°	144	188	386	706	838
122.5°	156	190	388	672	800
125°	164	196	388	642	752
127.5°	176	200	382	620	722
130°	184	206	374	600	686
132.5°	196	214	366	576	664
135°	206	224	354	546	630
137.5°	214	232	338	518	594
140°	228	240	328	486	560
142.5°	234	248	322	454	516
145°	246	256	312	422	480
147.5°	254	264	308	392	434
150°	264	270	308	372	410
152.5°	272	278	308	348	378
155°	280	282	308	340	356
157.5°	286	288	310	332	344
160°	294	294	310	330	336
162.5°	298	298	314	326	332
165°	306	304	312	324	328
167.5°	310	308	316	322	320
170°	316	312	316	320	322
172.5°	318	314	318	320	314
175°	322	318	318	318	316
177.5°	322	318	318	318	310
180°	318	318	318	318	318

(END OF REPORT)