

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: G2-1709-282-12

Luminaire Tested: **CTA-F-2575-40L835-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 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-4
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
4000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (336) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4091.9 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Direct

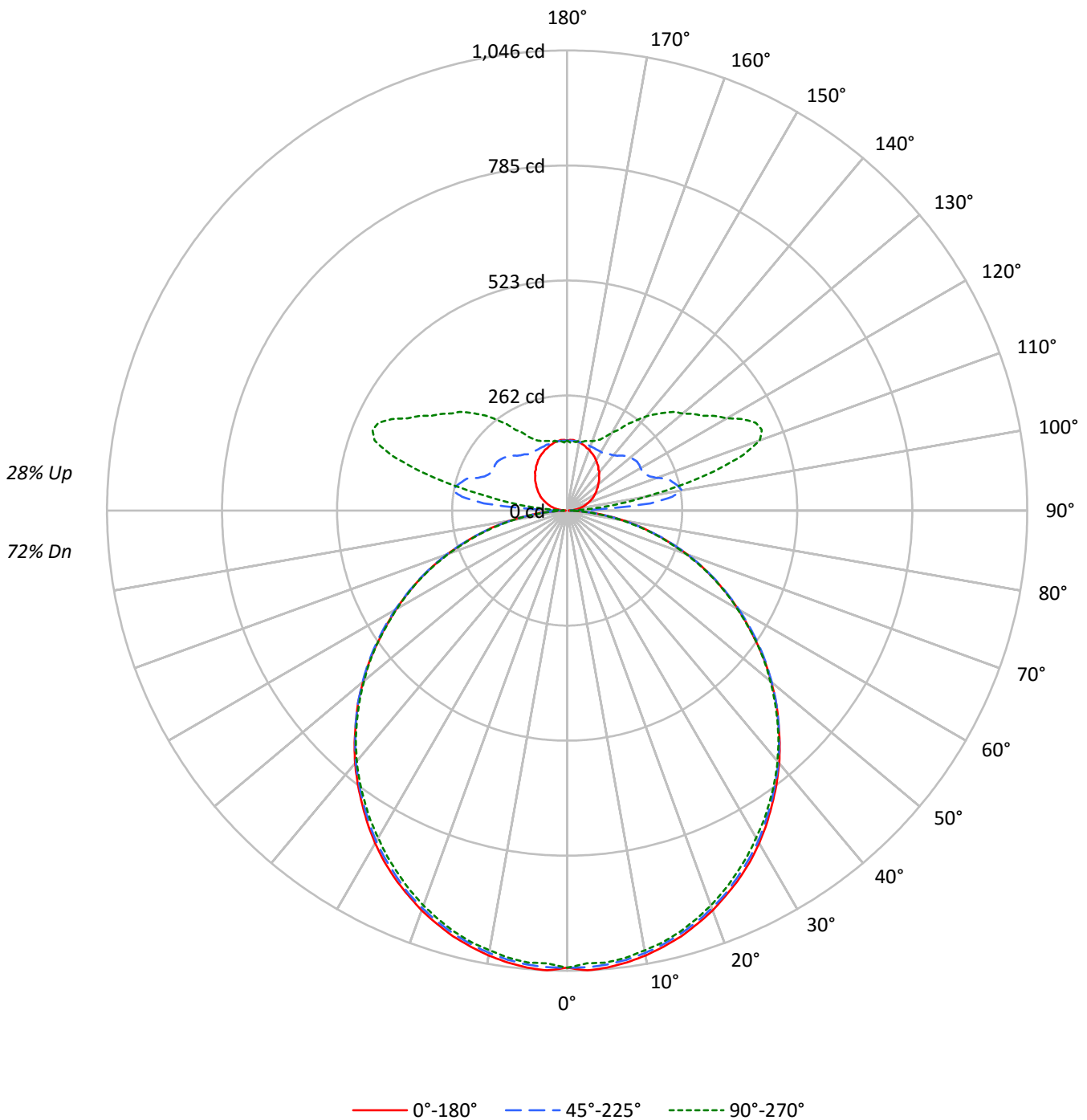
Input Watts (W): 37.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	98.3	2.4
10°-20°	280.6	6.9
20°-30°	422.1	10.3
30°-40°	505.3	12.3
40°-50°	522.6	12.8
50°-60°	472.7	11.6
60°-70°	366.1	8.9
70°-80°	219.4	5.4
80°-90°	64.2	1.6
90°-100°	94.0	2.3
100°-110°	232.4	5.7
110°-120°	236.4	5.8
120°-130°	189.6	4.6
130°-140°	149.1	3.6
140°-150°	106.8	2.6
150°-160°	72.7	1.8
160°-170°	44.5	1.1
170°-180°	15.1	0.4
0°-30°	801.0	19.6
0°-40°	1306.3	31.9
0°-60°	2301.6	56.2
0°-90°	2951.4	72.1
90°-120°	562.7	13.8
90°-150°	1008.2	24.6
90°-180°	1141.0	27.9
0°-180°	4091.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1043	1033	1036	1033	1031	99
15°	1002	993	996	995	991	283
25°	924	915	918	913	910	426
35°	813	807	809	805	804	509
45°	679	676	679	677	676	524
55°	527	528	531	528	527	472
65°	370	371	372	368	368	366
75°	207	210	209	205	204	220
85°	57	58	56	52	50	62
90°	4	8	8	8	7	6
95°	14	41	190	95	64	15
105°	39	69	249	397	346	41
115°	62	90	196	402	473	61
125°	82	98	194	321	376	74
135°	103	112	177	273	315	79
145°	123	128	156	211	240	77
155°	140	141	154	170	178	64
165°	153	152	156	162	164	43
175°	161	159	159	159	158	15
180°	159	159	159	159	159	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1039	1039	1039	1039	1039
2.5°	1046	1036	1039	1037	1030
5°	1043	1033	1036	1033	1031
7.5°	1036	1027	1030	1027	1025
10°	1027	1017	1021	1018	1015
12.5°	1015	1006	1010	1007	1005
15°	1002	993	996	995	991
17.5°	985	977	980	979	974
20°	967	958	962	959	955
22.5°	946	937	942	937	934
25°	924	915	918	913	910
27.5°	900	891	894	889	886
30°	873	865	868	862	859
32.5°	844	837	839	834	833
35°	813	807	809	805	804
37.5°	782	776	778	775	775
40°	750	744	747	745	744
42.5°	715	711	713	712	711
45°	679	676	679	677	676
47.5°	644	640	644	642	640
50°	606	604	607	605	603
52.5°	568	566	570	568	566
55°	527	528	531	528	527
57.5°	488	489	492	490	486
60°	449	450	452	450	447
62.5°	409	410	411	409	408
65°	370	371	372	368	368
67.5°	330	332	331	328	327
70°	290	291	292	288	286
72.5°	247	251	249	245	244
75°	207	210	209	205	204
77.5°	170	170	168	166	164
80°	131	131	129	127	125
82.5°	93	94	92	89	87
85°	57	58	56	52	50
87.5°	24	25	22	19	18
90°	4	8	8	8	7
92.5°	10	28	77	27	20
95°	14	41	190	95	64
97.5°	21	49	241	161	123
100°	28	61	265	232	181
102.5°	34	67	258	322	262
105°	39	69	249	397	346
107.5°	45	73	240	440	419
110°	50	80	217	447	466



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	56	85	203	432	479
115°	62	90	196	402	473
117.5°	68	92	192	377	450
120°	72	94	193	353	419
122.5°	78	95	194	336	400
125°	82	98	194	321	376
127.5°	88	100	191	310	361
130°	92	103	187	300	343
132.5°	98	107	183	288	332
135°	103	112	177	273	315
137.5°	107	116	169	259	297
140°	114	120	164	243	280
142.5°	117	124	161	227	258
145°	123	128	156	211	240
147.5°	127	132	154	196	217
150°	132	135	154	186	205
152.5°	136	139	154	174	189
155°	140	141	154	170	178
157.5°	143	144	155	166	172
160°	147	147	155	165	168
162.5°	149	149	157	163	166
165°	153	152	156	162	164
167.5°	155	154	158	161	160
170°	158	156	158	160	161
172.5°	159	157	159	160	157
175°	161	159	159	159	158
177.5°	161	159	159	159	155
180°	159	159	159	159	159

(END OF REPORT)