

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: G2-1709-282-14

Luminaire Tested: **CTA-F-2575-60L835-UNV-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1709-282-14  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-2575-60L835-UNV-4  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
6000 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: 6102.7 lumens  
Efficiency: N/A  
Efficacy: 103.1 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

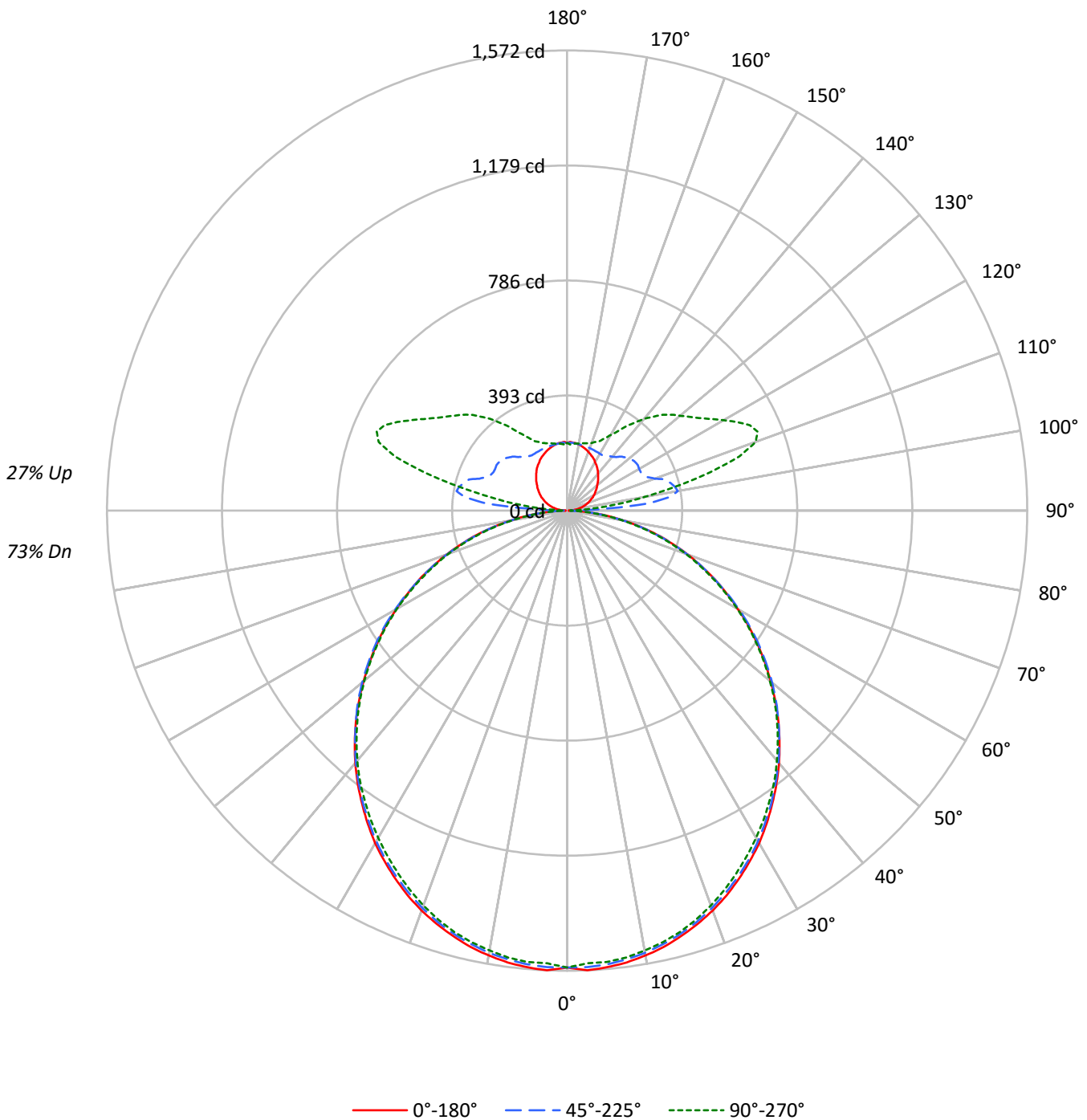
Input Watts (W): 59.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	98	94	90	97	93	89	86	84	81	78	75	73	71	67	66	64	60
2	93	85	79	73	88	81	75	70	73	68	64	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	58	64	59	54	58	53	50	52	48	45	42
4	78	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	37	42	37	34	31
6	66	53	44	38	62	50	43	37	46	39	34	42	36	32	38	33	30	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	42	34	29	38	32	27	35	29	25	32	27	24	21
9	53	40	32	27	50	38	31	26	35	29	24	32	27	23	29	25	21	19
10	49	37	29	24	47	35	28	23	32	26	22	30	24	21	27	23	19	17

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

	0°	45°	90°
0°	10081	10081	10081
5°	10152	10087	10035
10°	10118	10059	10007
15°	10062	10008	9962
20°	9992	9930	9869
25°	9890	9833	9740
30°	9783	9724	9627
35°	9634	9594	9515
40°	9492	9467	9400
45°	9325	9325	9261
50°	9122	9183	9082
55°	8928	9007	8883
60°	8705	8783	8666
65°	8511	8496	8389
70°	8270	8213	8138
75°	7934	7835	7710
80°	7289	7252	7029
85°	6372	6076	5557



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.6	2.4
10°-20°	421.6	6.9
20°-30°	634.3	10.4
30°-40°	759.3	12.4
40°-50°	784.9	12.9
50°-60°	710.1	11.6
60°-70°	550.1	9.0
70°-80°	331.4	5.4
80°-90°	95.9	1.6
90°-100°	136.7	2.2
100°-110°	339.6	5.6
110°-120°	346.1	5.7
120°-130°	277.6	4.5
130°-140°	218.4	3.6
140°-150°	156.0	2.6
150°-160°	106.2	1.7
160°-170°	64.9	1.1
170°-180°	22.0	0.4
0°-30°	1203.6	19.7
0°-40°	1962.9	32.2
0°-60°	3457.9	56.7
0°-90°	4435.3	72.7
90°-120°	822.4	13.5
90°-150°	1474.3	24.2
90°-180°	1667.0	27.3
0°-180°	6102.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1561	1561	1561	1561	1561	
5°	1566	1551	1556	1552	1548	149
15°	1505	1491	1497	1494	1490	425
25°	1388	1375	1380	1372	1367	640
35°	1222	1212	1217	1211	1207	765
45°	1021	1016	1021	1017	1014	787
55°	793	793	800	793	789	709
65°	557	559	556	553	549	551
75°	318	317	314	310	309	335
85°	86	86	82	78	75	93
90°	5	12	12	12	11	8
95°	20	60	278	135	93	22
105°	58	102	365	578	506	61
115°	90	131	288	589	689	90
125°	120	143	286	469	551	108
135°	150	163	261	400	463	115
145°	179	187	227	307	351	112
155°	203	206	225	249	261	94
165°	222	222	228	236	238	63
175°	233	231	232	232	229	22
180°	231	231	231	231	231	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1561	1561	1561	1561	1561
2.5°	1572	1556	1561	1558	1548
5°	1566	1551	1556	1552	1548
7.5°	1557	1542	1547	1543	1540
10°	1543	1529	1534	1530	1526
12.5°	1527	1511	1517	1512	1510
15°	1505	1491	1497	1494	1490
17.5°	1481	1467	1473	1471	1465
20°	1454	1440	1445	1440	1436
22.5°	1423	1410	1414	1407	1403
25°	1388	1375	1380	1372	1367
27.5°	1351	1339	1344	1336	1330
30°	1312	1299	1304	1295	1291
32.5°	1268	1257	1261	1255	1250
35°	1222	1212	1217	1211	1207
37.5°	1175	1166	1170	1165	1163
40°	1126	1117	1123	1118	1115
42.5°	1074	1067	1072	1069	1065
45°	1021	1016	1021	1017	1014
47.5°	965	962	969	963	960
50°	908	907	914	908	904
52.5°	851	851	857	851	847
55°	793	793	800	793	789
57.5°	735	737	741	734	731
60°	674	679	680	674	671
62.5°	615	619	618	614	610
65°	557	559	556	553	549
67.5°	497	500	496	494	489
70°	438	440	435	433	431
72.5°	377	377	375	372	370
75°	318	317	314	310	309
77.5°	257	257	256	250	248
80°	196	196	195	191	189
82.5°	140	140	136	135	133
85°	86	86	82	78	75
87.5°	37	35	32	28	27
90°	5	12	12	12	11
92.5°	15	41	109	39	29
95°	20	60	278	135	93
97.5°	32	72	351	232	181
100°	41	90	384	341	268
102.5°	50	97	377	466	378
105°	58	102	365	578	506
107.5°	67	108	352	640	617
110°	75	118	319	654	685



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	83	126	298	630	704
115°	90	131	288	589	689
117.5°	99	135	284	549	655
120°	106	137	284	516	617
122.5°	113	139	287	489	582
125°	120	143	286	469	551
127.5°	128	145	283	453	526
130°	134	150	278	439	504
132.5°	142	157	269	422	485
135°	150	163	261	400	463
137.5°	157	169	248	379	435
140°	164	175	240	355	409
142.5°	172	181	235	333	378
145°	179	187	227	307	351
147.5°	185	192	224	287	320
150°	191	197	224	273	298
152.5°	198	201	225	255	278
155°	203	206	225	249	261
157.5°	208	210	226	244	254
160°	213	215	227	240	246
162.5°	218	218	227	238	241
165°	222	222	228	236	238
167.5°	226	225	229	234	235
170°	229	227	230	233	232
172.5°	232	229	231	232	231
175°	233	231	232	232	229
177.5°	235	232	232	231	226
180°	231	231	231	231	231

(END OF REPORT)