

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: P234631

Luminaire Tested: **CTA-F-5050-60L835-UNV-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234631  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-9)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-5050-60L835-UNV-8  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
6000 LUMENS, 50% UPLIGHT, 50% DOWNLIGHT  
Light Source: (672) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

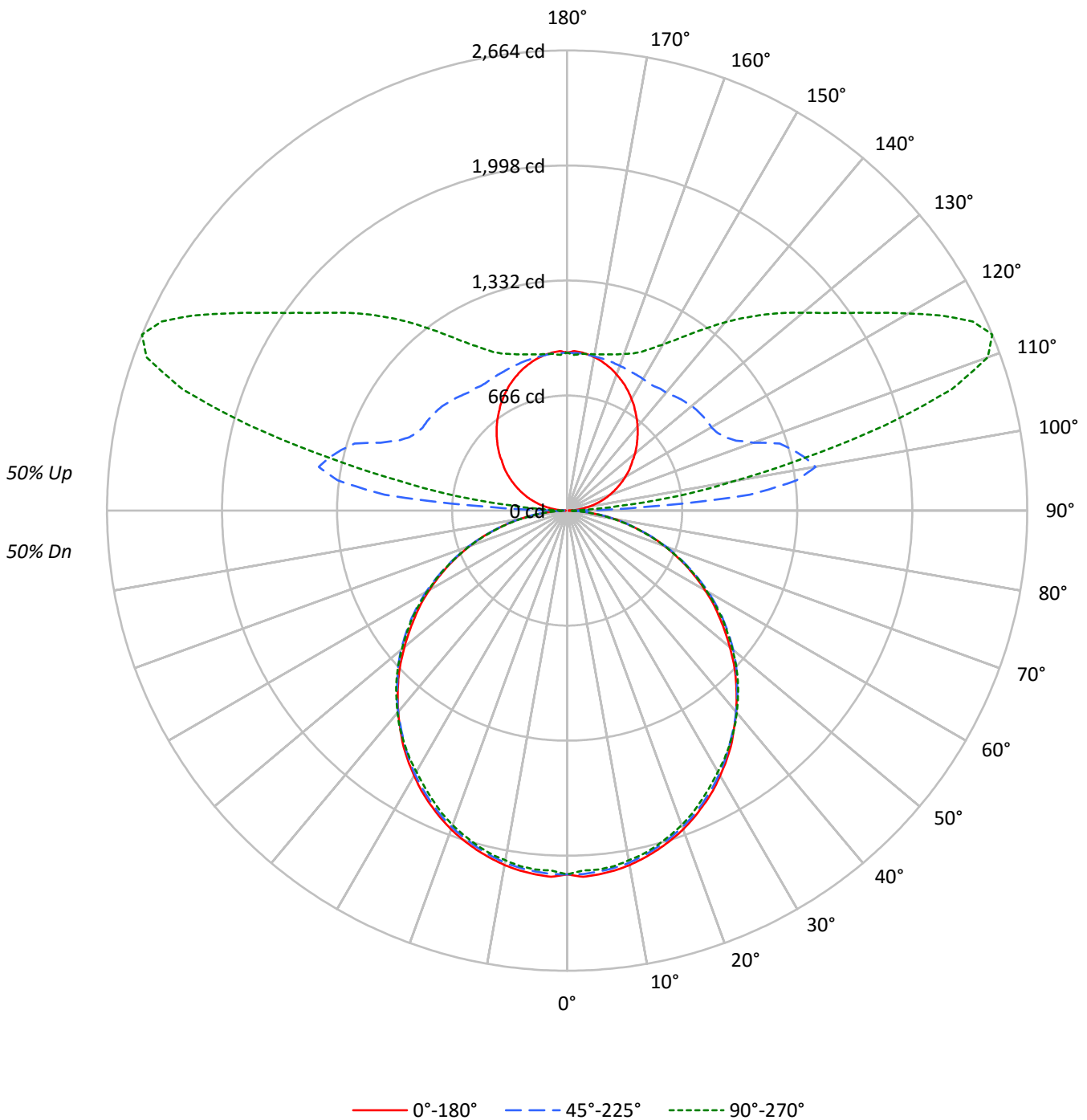
Lumens per Lamp: N/A  
Luminaire Lumens: 12180.2 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 98.6  
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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	97	93	89	85	90	86	82	79	73	70	68	60	58	57	49	48	47	41				
2	89	81	75	69	81	75	69	65	63	59	56	53	50	47	43	41	39	34				
3	81	71	63	57	74	66	59	54	56	51	47	46	43	40	38	35	33	29				
4	74	63	55	48	68	58	51	45	49	44	39	41	37	34	34	31	28	24				
5	67	56	47	41	62	52	44	39	44	38	34	37	32	29	30	27	24	21				
6	62	50	42	36	57	46	39	34	40	34	29	33	29	25	27	24	21	18				
7	57	45	37	31	53	42	35	29	36	30	26	30	26	22	25	21	19	16				
8	53	41	33	28	49	38	31	26	33	27	23	28	23	20	23	19	17	14				
9	50	37	30	24	46	35	28	23	30	24	20	25	21	18	21	18	15	13				
10	46	34	27	22	43	32	25	21	27	22	18	23	19	16	19	16	14	12				

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

	0°	45°	90°
0°	6800	6800	6800
5°	6852	6800	6761
10°	6833	6787	6741
15°	6793	6746	6712
20°	6749	6700	6659
25°	6684	6641	6577
30°	6607	6569	6510
35°	6528	6480	6480
40°	6415	6415	6441
45°	6311	6347	6384
50°	6179	6309	6279
55°	6057	6215	6181
60°	5954	6096	6032
65°	5822	5914	5868
70°	5664	5740	5664
75°	5389	5414	5340
80°	5095	5132	4909
85°	4520	4520	4075



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.2	1.6
10°-20°	568.8	4.7
20°-30°	856.8	7.0
30°-40°	1029.4	8.5
40°-50°	1072.2	8.8
50°-60°	976.5	8.0
60°-70°	761.1	6.2
70°-80°	460.3	3.8
80°-90°	139.1	1.1
90°-100°	495.0	4.1
100°-110°	1256.2	10.3
110°-120°	1261.8	10.4
120°-130°	986.8	8.1
130°-140°	778.6	6.4
140°-150°	582.7	4.8
150°-160°	413.6	3.4
160°-170°	255.2	2.1
170°-180°	86.9	0.7
0°-30°	1624.8	13.3
0°-40°	2654.2	21.8
0°-60°	4702.9	38.6
0°-90°	6063.3	49.8
90°-120°	3013.1	24.7
90°-150°	5361.1	44.0
90°-180°	6117.0	50.2
0°-180°	12180.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2106	2106	2106	2106	2106	
5°	2114	2094	2098	2092	2086	201
15°	2032	2012	2018	2016	2008	573
25°	1876	1858	1864	1854	1846	865
35°	1656	1642	1644	1644	1644	1035
45°	1382	1378	1390	1402	1398	1065
55°	1076	1080	1104	1098	1098	963
65°	762	770	774	768	768	754
75°	432	440	434	430	428	459
85°	122	126	122	118	110	131
90°	8	16	16	16	14	15
95°	58	194	1062	490	300	63
105°	192	318	1354	2200	1902	204
115°	324	424	1006	2210	2590	321
125°	450	528	956	1672	1994	402
135°	574	628	918	1382	1602	443
145°	690	724	878	1120	1250	433
155°	796	808	884	966	1012	367
165°	874	874	900	926	936	247
175°	920	910	914	912	910	87
180°	914	914	914	914	914	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2106	2106	2106	2106	2106
2.5°	2122	2102	2106	2100	2086
5°	2114	2094	2098	2092	2086
7.5°	2102	2082	2086	2082	2076
10°	2084	2062	2070	2064	2056
12.5°	2060	2040	2046	2042	2036
15°	2032	2012	2018	2016	2008
17.5°	2000	1980	1986	1984	1974
20°	1964	1944	1950	1942	1938
22.5°	1922	1904	1910	1898	1896
25°	1876	1858	1864	1854	1846
27.5°	1828	1810	1814	1806	1796
30°	1772	1756	1762	1750	1746
32.5°	1716	1700	1704	1700	1698
35°	1656	1642	1644	1644	1644
37.5°	1588	1580	1582	1590	1590
40°	1522	1514	1522	1530	1528
42.5°	1452	1448	1458	1468	1464
45°	1382	1378	1390	1402	1398
47.5°	1308	1306	1326	1332	1326
50°	1230	1232	1256	1258	1250
52.5°	1152	1158	1180	1180	1172
55°	1076	1080	1104	1098	1098
57.5°	1002	1004	1026	1016	1016
60°	922	924	944	934	934
62.5°	842	848	860	852	852
65°	762	770	774	768	768
67.5°	680	690	690	682	684
70°	600	610	608	600	600
72.5°	518	526	522	518	516
75°	432	440	434	430	428
77.5°	352	358	354	348	346
80°	274	278	276	268	264
82.5°	194	200	198	192	186
85°	122	126	122	118	110
87.5°	56	56	54	48	44
90°	8	16	16	16	14
92.5°	34	128	430	112	76
95°	58	194	1062	490	300
97.5°	92	232	1340	864	650
100°	126	296	1460	1272	982
102.5°	160	312	1412	1766	1408
105°	192	318	1354	2200	1902
107.5°	228	332	1290	2430	2332
110°	260	364	1150	2482	2590



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	292	396	1058	2382	2664
115°	324	424	1006	2210	2590
117.5°	356	450	978	2038	2444
120°	388	476	964	1888	2282
122.5°	420	500	962	1770	2130
125°	450	528	956	1672	1994
127.5°	478	550	950	1592	1878
130°	514	574	942	1524	1782
132.5°	544	602	930	1454	1694
135°	574	628	918	1382	1602
137.5°	604	654	904	1314	1512
140°	634	678	892	1244	1424
142.5°	664	702	888	1182	1332
145°	690	724	878	1120	1250
147.5°	720	746	876	1068	1172
150°	746	768	880	1028	1110
152.5°	772	788	882	990	1058
155°	796	808	884	966	1012
157.5°	818	826	888	952	984
160°	838	844	892	940	964
162.5°	858	860	896	932	948
165°	874	874	900	926	936
167.5°	890	886	904	918	926
170°	902	896	906	916	918
172.5°	912	904	910	914	914
175°	920	910	914	912	910
177.5°	924	912	912	912	902
180°	914	914	914	914	914

(END OF REPORT)