

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: G2-1709-282-19

Luminaire Tested: **CTA-F-0100-60L835-UNV-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1709-282-19  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-0100-60L835-UNV-4  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
6000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT  
Light Source: (336) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6038.9 lumens  
Efficiency: N/A  
Efficacy: 83.0 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: Direct

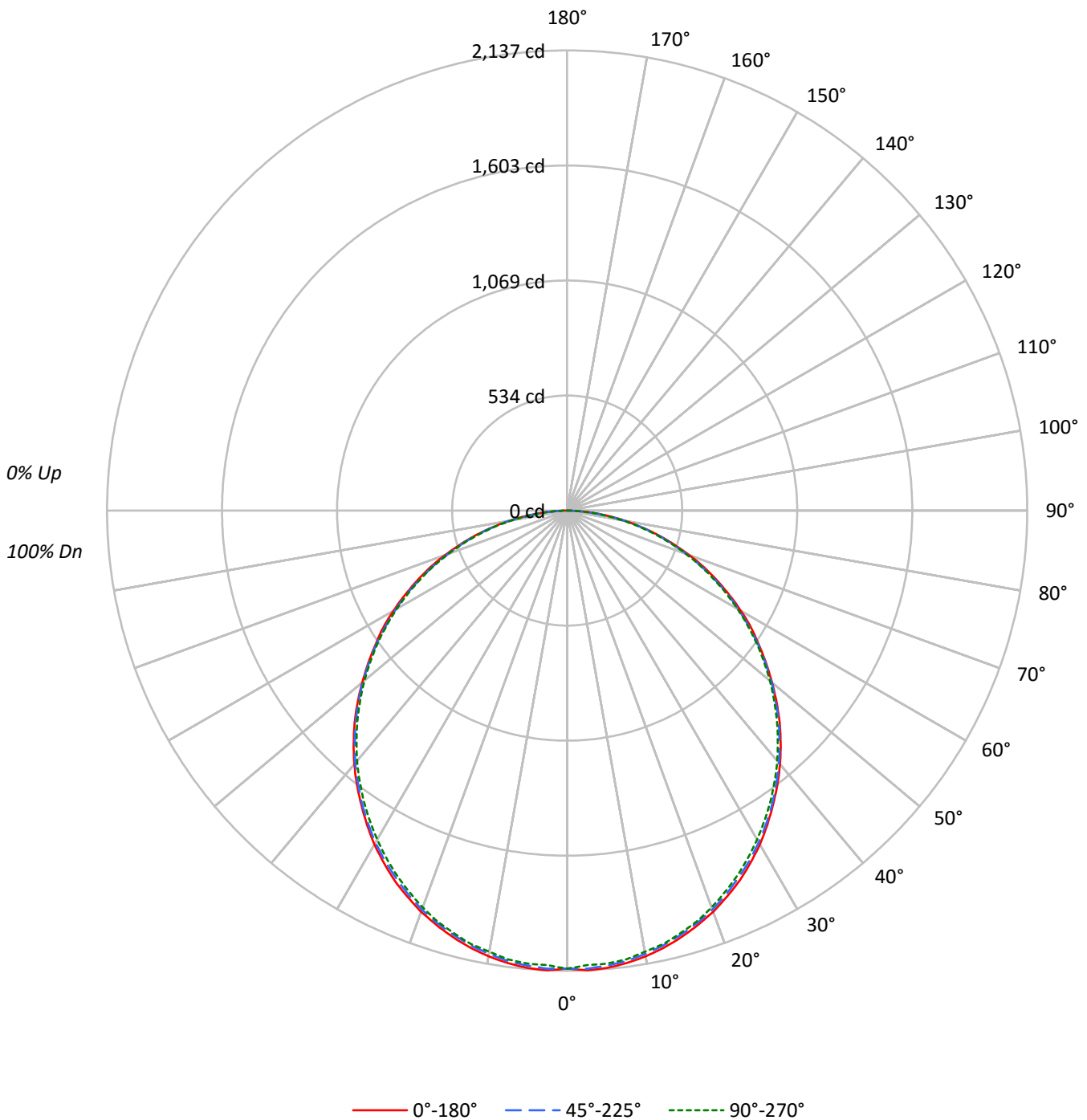
Input Watts (W): 72.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

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

	0°	45°	90°
0°	13736	13736	13736
5°	13821	13749	13691
10°	13784	13705	13640
15°	13712	13639	13585
20°	13628	13552	13477
25°	13510	13410	13325
30°	13348	13273	13154
35°	13142	13095	12984
40°	12965	12906	12797
45°	12749	12685	12585
50°	12478	12448	12347
55°	12238	12171	12092
60°	12037	11869	11805
65°	11735	11537	11460
70°	11367	11121	11065
75°	10854	10704	10504
80°	10115	9967	9669
85°	8891	8373	7484



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.2	3.3
10°-20°	574.8	9.5
20°-30°	865.2	14.3
30°-40°	1035.2	17.1
40°-50°	1067.8	17.7
50°-60°	965.3	16.0
60°-70°	748.7	12.4
70°-80°	451.4	7.5
80°-90°	129.2	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1641.2	27.2
0°-40°	2676.4	44.3
0°-60°	4709.5	78.0
0°-90°	6038.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6038.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2127	2127	2127	2127	2127	
5°	2132	2111	2121	2119	2112	202
15°	2051	2028	2040	2040	2032	579
25°	1896	1871	1882	1875	1870	873
35°	1667	1651	1661	1650	1647	1044
45°	1396	1386	1389	1377	1378	1076
55°	1087	1084	1081	1073	1074	974
65°	768	761	755	751	750	761
75°	435	431	429	423	421	460
85°	120	119	113	107	101	136
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2127	2127	2127	2127	2127
2.5°	2137	2118	2129	2126	2113
5°	2132	2111	2121	2119	2112
7.5°	2119	2099	2110	2107	2102
10°	2102	2079	2090	2087	2080
12.5°	2079	2057	2068	2065	2062
15°	2051	2028	2040	2040	2032
17.5°	2018	1997	2008	2007	2001
20°	1983	1958	1972	1967	1961
22.5°	1940	1918	1929	1920	1917
25°	1896	1871	1882	1875	1870
27.5°	1844	1822	1833	1823	1819
30°	1790	1767	1780	1769	1764
32.5°	1730	1713	1722	1711	1706
35°	1667	1651	1661	1650	1647
37.5°	1604	1589	1596	1586	1583
40°	1538	1524	1531	1518	1518
42.5°	1468	1456	1460	1449	1448
45°	1396	1386	1389	1377	1378
47.5°	1320	1312	1314	1304	1303
50°	1242	1238	1239	1227	1229
52.5°	1165	1162	1160	1152	1151
55°	1087	1084	1081	1073	1074
57.5°	1014	1005	1000	995	994
60°	932	924	919	913	914
62.5°	850	844	839	834	832
65°	768	761	755	751	750
67.5°	689	677	672	669	668
70°	602	595	589	586	586
72.5°	519	512	509	505	503
75°	435	431	429	423	421
77.5°	352	350	348	341	339
80°	272	270	268	260	260
82.5°	193	192	188	181	177
85°	120	119	113	107	101
87.5°	52	49	42	37	38
90°	0	0	0	0	0

(END OF REPORT)