

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: P303024

Luminaire Tested: **CTW-F-0100-40L835-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-40L835-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

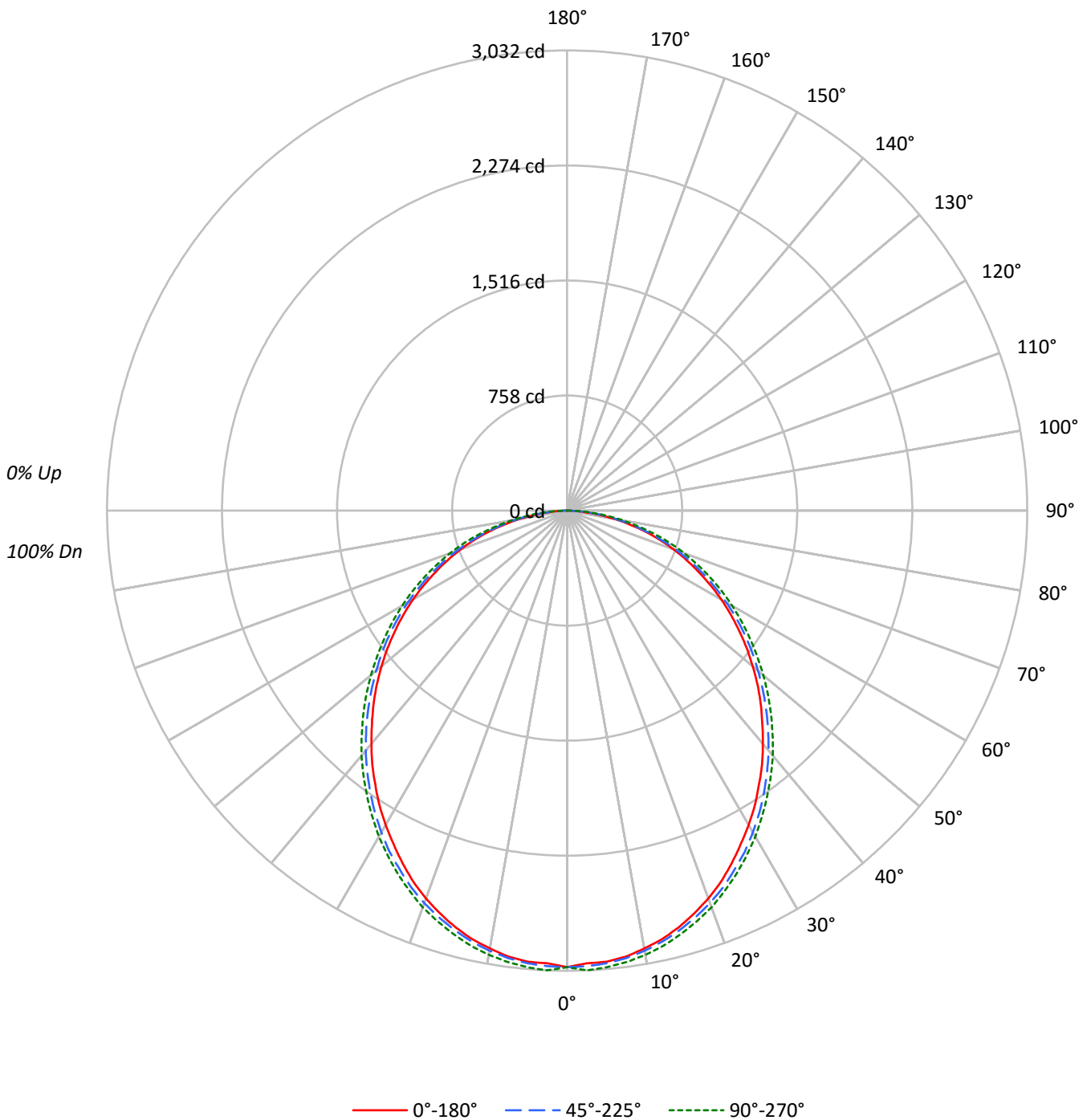
Lumens per Lamp: N/A  
Luminaire Lumens: 8124.4 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')  
CIE Type: Direct

Input Watts (W): 73.5  
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



TEST NUMBER: P303024  
CATALOG NUMBER: CTW-F-0100-40L835-UNV-STD-8

### Luminous Intensity Polar Plot





TEST NUMBER: P303024

CATALOG NUMBER: CTW-F-0100-40L835-UNV-STD-8

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

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

	0°	45°	90°
0°	32378	32378	32378
5°	32242	32350	32631
10°	32025	32178	32484
15°	31670	31893	32205
20°	31157	31523	31867
25°	30452	30998	31354
30°	29730	30426	30824
35°	28961	29723	30196
40°	28187	29002	29620
45°	27461	28222	28923
50°	26726	27496	28267
55°	26010	26836	27586
60°	25274	26092	27039
65°	24349	25266	26437
70°	23478	24296	25807
75°	22042	23040	24787
80°	19464	20952	23183
85°	14079	16549	20748



TEST NUMBER: P303024

CATALOG NUMBER: CTW-F-0100-40L835-UNV-STD-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.9	3.5
10°-20°	805.2	9.9
20°-30°	1195.7	14.7
30°-40°	1405.7	17.3
40°-50°	1425.6	17.5
50°-60°	1276.3	15.7
60°-70°	984.1	12.1
70°-80°	587.3	7.2
80°-90°	160.7	2.0
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°	2284.8	28.1
0°-40°	3690.5	45.4
0°-60°	6392.3	78.7
0°-90°	8124.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8124.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3008	3008	3008	3008	3008	
5°	2984	2984	2994	2984	3020	283
15°	2842	2846	2862	2852	2890	801
25°	2564	2568	2610	2604	2640	1181
35°	2204	2210	2262	2264	2298	1380
45°	1804	1810	1854	1874	1900	1392
55°	1386	1396	1430	1456	1470	1240
65°	956	966	992	1020	1038	948
75°	530	534	554	574	596	559
85°	114	118	134	156	168	139
90°	0	0	0	0	0	



TEST NUMBER: P303024

CATALOG NUMBER: CTW-F-0100-40L835-UNV-STD-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3008	3008	3008	3008	3008
2.5°	2986	2998	3004	2996	3032
5°	2984	2984	2994	2984	3020
7.5°	2964	2964	2974	2964	3000
10°	2930	2932	2944	2936	2972
12.5°	2892	2890	2908	2898	2936
15°	2842	2846	2862	2852	2890
17.5°	2784	2790	2810	2800	2838
20°	2720	2722	2752	2740	2782
22.5°	2648	2646	2686	2676	2712
25°	2564	2568	2610	2604	2640
27.5°	2478	2484	2534	2524	2562
30°	2392	2396	2448	2440	2480
32.5°	2302	2306	2358	2356	2390
35°	2204	2210	2262	2264	2298
37.5°	2110	2112	2164	2170	2204
40°	2006	2014	2064	2074	2108
42.5°	1904	1912	1960	1974	2004
45°	1804	1810	1854	1874	1900
47.5°	1702	1706	1748	1770	1794
50°	1596	1604	1642	1664	1688
52.5°	1492	1500	1538	1560	1578
55°	1386	1396	1430	1456	1470
57.5°	1280	1290	1322	1348	1364
60°	1174	1184	1212	1240	1256
62.5°	1064	1076	1102	1132	1148
65°	956	966	992	1020	1038
67.5°	850	860	882	908	928
70°	746	752	772	798	820
72.5°	640	646	662	686	710
75°	530	534	554	574	596
77.5°	420	424	442	464	482
80°	314	320	338	358	374
82.5°	210	214	236	256	268
85°	114	118	134	156	168
87.5°	30	32	42	62	76
90°	0	0	0	0	0

(END OF REPORT)