

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: G2-1903-181-18

Luminaire Tested: **CTW-F-0100-50L835-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1903-181-18
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-50L835-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

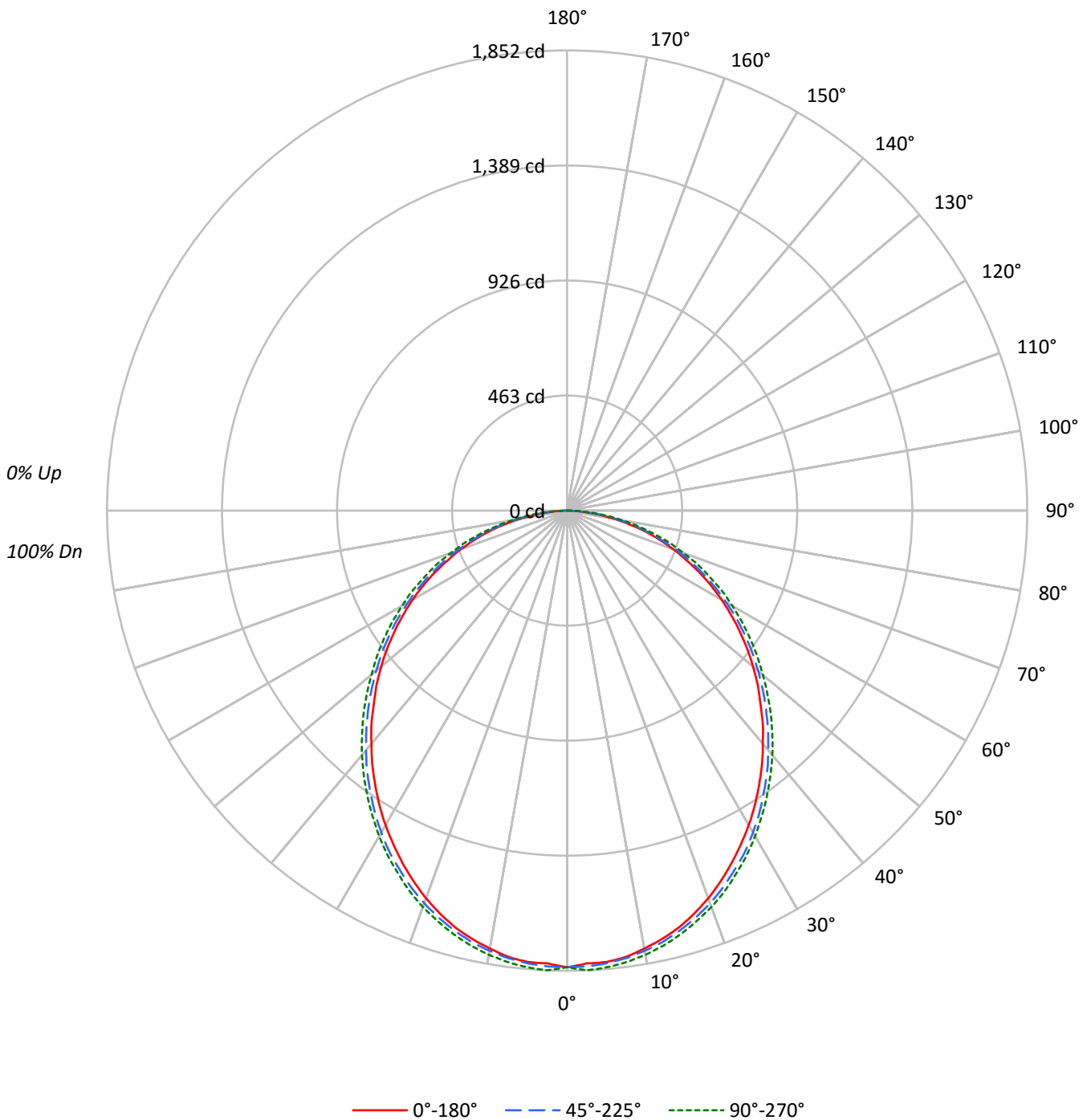
Lumens per Lamp: N/A
Luminaire Lumens: 4966.8 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 4' x L: 0.12' x H: 0.17')
CIE Type: Direct

Input Watts (W): 47.3
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	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	90	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	82	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°	39568	39568	39568
5°	35299	36426	39726
10°	31681	33571	39386
15°	28523	30942	38903
20°	25620	28462	38319
25°	22937	26068	37537
30°	20535	23818	36727
35°	18308	21593	35801
40°	16248	19485	34892
45°	14353	17474	33874
50°	12638	15561	32800
55°	10959	13718	31882
60°	9341	11871	30841
65°	7735	10006	29646
70°	6141	8058	28126
75°	4551	6056	25986
80°	2824	3940	22663
85°	1095	1672	16899



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	3.5
10°-20°	492.1	9.9
20°-30°	730.8	14.7
30°-40°	859.2	17.3
40°-50°	871.0	17.5
50°-60°	780.1	15.7
60°-70°	601.7	12.1
70°-80°	359.5	7.2
80°-90°	99.0	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°	1396.4	28.1
0°-40°	2255.6	45.4
0°-60°	3906.7	78.7
0°-90°	4966.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4966.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1838	1838	1838	1838	1838	
5°	1824	1824	1829	1824	1845	173
15°	1737	1740	1750	1743	1765	489
25°	1566	1571	1595	1591	1611	721
35°	1347	1352	1381	1385	1402	843
45°	1100	1108	1132	1143	1159	851
55°	848	852	873	889	900	758
65°	586	591	606	625	634	580
75°	327	329	337	353	361	342
85°	72	73	82	97	101	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1838	1838	1838	1838	1838
2.5°	1824	1832	1836	1831	1852
5°	1824	1824	1829	1824	1845
7.5°	1812	1811	1817	1812	1833
10°	1790	1791	1799	1794	1815
12.5°	1766	1767	1778	1771	1793
15°	1737	1740	1750	1743	1765
17.5°	1701	1706	1718	1712	1733
20°	1661	1663	1682	1676	1698
22.5°	1615	1618	1641	1635	1658
25°	1566	1571	1595	1591	1611
27.5°	1514	1520	1549	1544	1565
30°	1462	1467	1496	1493	1513
32.5°	1406	1411	1441	1440	1458
35°	1347	1352	1381	1385	1402
37.5°	1289	1293	1323	1328	1344
40°	1225	1233	1259	1266	1285
42.5°	1166	1171	1196	1206	1222
45°	1100	1108	1132	1143	1159
47.5°	1041	1045	1068	1082	1094
50°	977	981	1003	1018	1028
52.5°	913	917	939	954	965
55°	848	852	873	889	900
57.5°	783	788	807	826	834
60°	718	723	740	759	768
62.5°	652	657	673	692	704
65°	586	591	606	625	634
67.5°	518	525	539	557	570
70°	455	459	470	487	498
72.5°	389	395	403	419	433
75°	327	329	337	353	361
77.5°	257	262	273	287	294
80°	195	197	207	221	226
82.5°	130	133	144	158	162
85°	72	73	82	97	101
87.5°	20	21	26	39	45
90°	0	0	0	0	0

(END OF REPORT)