

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: P303012

Luminaire Tested: **CTW-F-0100-40L830-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303012  
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-0100-40L830-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3906.0 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Direct

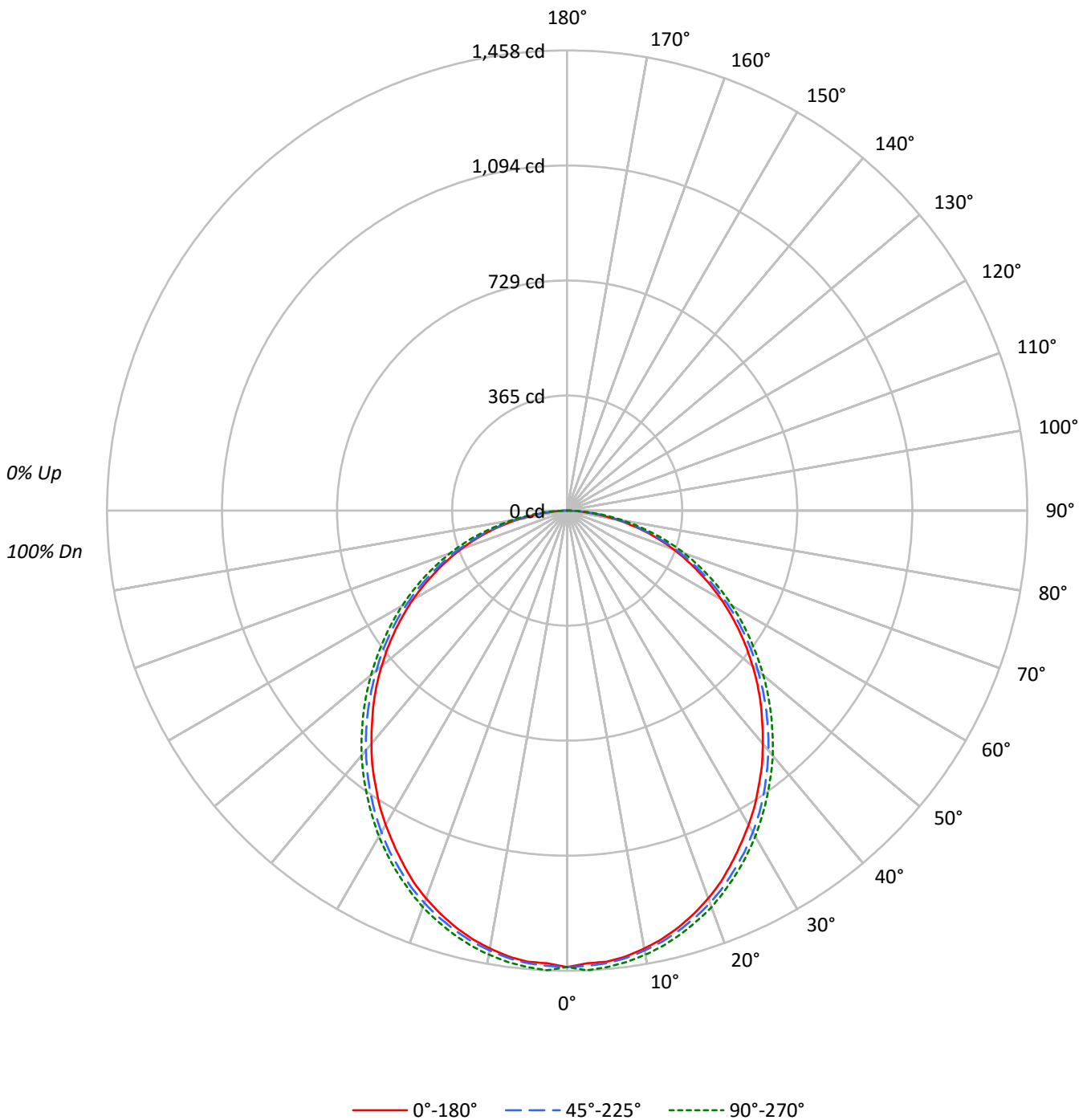
Input Watts (W): 37.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	31134	31134	31134
5°	31002	31106	31376
10°	30794	30941	31233
15°	30451	30667	30966
20°	29959	30311	30641
25°	29281	29806	30148
30°	28587	29256	29638
35°	27847	28580	29035
40°	27102	27886	28482
45°	26405	27136	27811
50°	25698	26438	27178
55°	25008	25804	26524
60°	24301	25089	25997
65°	23412	24293	25419
70°	22578	23365	24812
75°	21194	22150	23830
80°	18720	20146	22290
85°	13536	15907	19958



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.5	3.5
10°-20°	387.1	9.9
20°-30°	574.8	14.7
30°-40°	675.8	17.3
40°-50°	685.4	17.5
50°-60°	613.6	15.7
60°-70°	473.1	12.1
70°-80°	282.3	7.2
80°-90°	77.2	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°	1098.4	28.1
0°-40°	1774.3	45.4
0°-60°	3073.2	78.7
0°-90°	3906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3906.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1435	1435	1439	1435	1452	136
15°	1366	1368	1376	1371	1389	385
25°	1233	1235	1255	1252	1269	568
35°	1060	1062	1088	1088	1105	663
45°	867	870	891	901	914	669
55°	666	671	688	700	707	596
65°	460	464	477	490	499	456
75°	255	257	266	276	286	269
85°	55	57	64	75	81	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1446.2	1446.2	1446.2	1446.2	1446.2
2.5°	1435.6	1441.3	1444.2	1440.4	1457.7
5°	1434.6	1434.6	1439.4	1434.6	1451.9
7.5°	1425.0	1425.0	1429.8	1425.0	1442.3
10°	1408.7	1409.6	1415.4	1411.5	1428.8
12.5°	1390.4	1389.4	1398.1	1393.3	1411.5
15°	1366.3	1368.3	1376.0	1371.2	1389.4
17.5°	1338.5	1341.3	1351.0	1346.2	1364.4
20°	1307.7	1308.7	1323.1	1317.3	1337.5
22.5°	1273.1	1272.1	1291.3	1286.5	1303.8
25°	1232.7	1234.6	1254.8	1251.9	1269.2
27.5°	1191.3	1194.2	1218.3	1213.5	1231.7
30°	1150.0	1151.9	1176.9	1173.1	1192.3
32.5°	1106.7	1108.7	1133.7	1132.7	1149.0
35°	1059.6	1062.5	1087.5	1088.5	1104.8
37.5°	1014.4	1015.4	1040.4	1043.3	1059.6
40°	964.4	968.3	992.3	997.1	1013.5
42.5°	915.4	919.2	942.3	949.0	963.5
45°	867.3	870.2	891.3	901.0	913.5
47.5°	818.3	820.2	840.4	851.0	862.5
50°	767.3	771.2	789.4	800.0	811.5
52.5°	717.3	721.2	739.4	750.0	758.7
55°	666.3	671.2	687.5	700.0	706.7
57.5°	615.4	620.2	635.6	648.1	655.8
60°	564.4	569.2	582.7	596.2	603.8
62.5°	511.5	517.3	529.8	544.2	551.9
65°	459.6	464.4	476.9	490.4	499.0
67.5°	408.7	413.5	424.0	436.5	446.2
70°	358.7	361.5	371.2	383.7	394.2
72.5°	307.7	310.6	318.3	329.8	341.3
75°	254.8	256.7	266.3	276.0	286.5
77.5°	201.9	203.8	212.5	223.1	231.7
80°	151.0	153.8	162.5	172.1	179.8
82.5°	101.0	102.9	113.5	123.1	128.8
85°	54.8	56.7	64.4	75.0	80.8
87.5°	14.4	15.4	20.2	29.8	36.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)