

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: P303002

Luminaire Tested: **CTW-F-0100-30L840-UNV-STD-6**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303002  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-30L840-UNV-STD-6  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

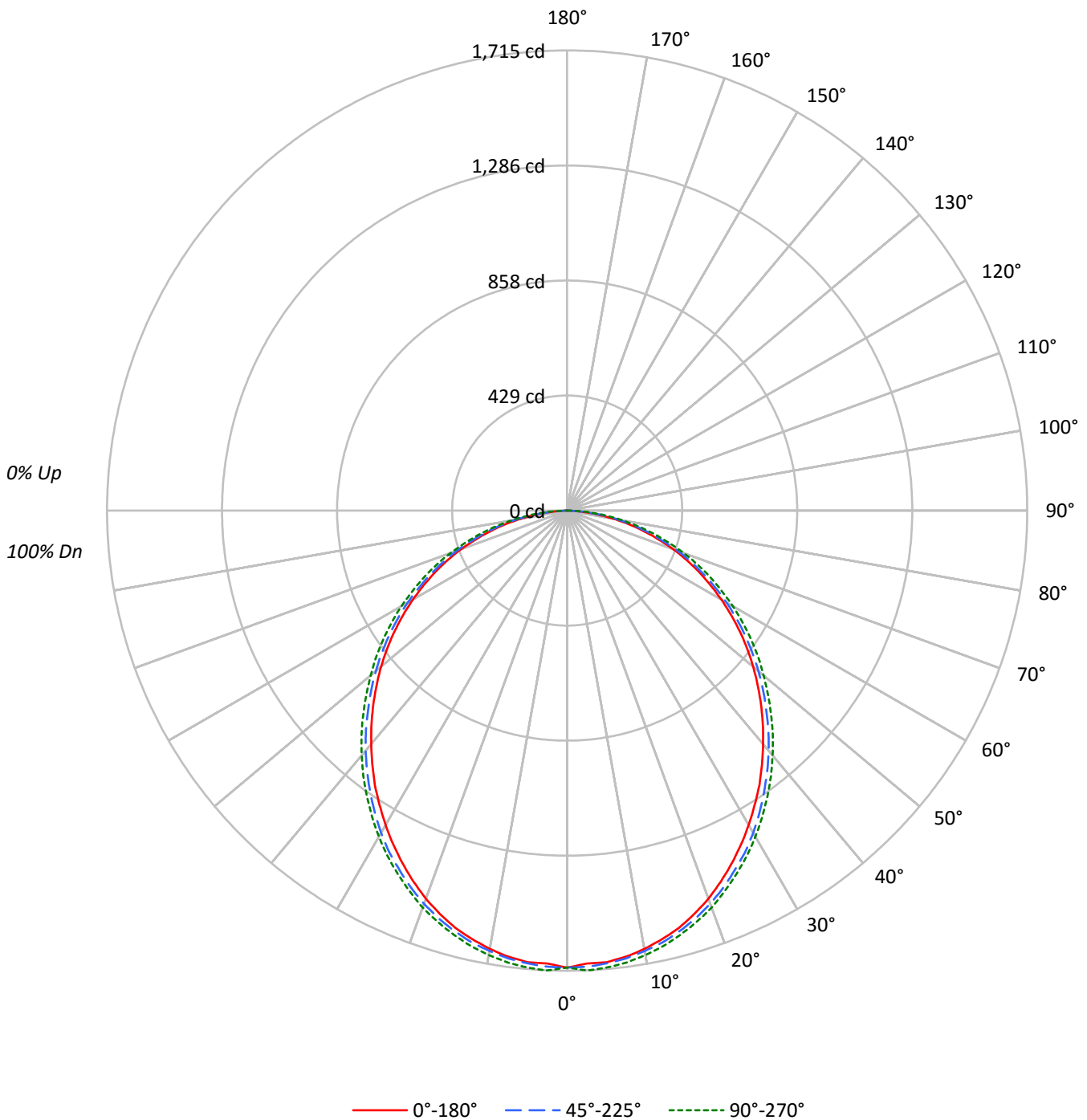
Lumens per Lamp: N/A  
Luminaire Lumens: 4597.4 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')  
CIE Type: Direct

Input Watts (W): 40.9  
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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70					70			
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59					59			
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50					50			
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43					43			
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38					38			
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34					34			
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30					30			
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27					27			
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25					25			

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

	0°	45°	90°
0°	24443	24443	24443
5°	24339	24405	24625
10°	24174	24285	24508
15°	23920	24101	24306
20°	23513	23817	24050
25°	22976	23411	23654
30°	22422	22981	23259
35°	21885	22419	22794
40°	21281	21883	22313
45°	20729	21287	21815
50°	20209	20789	21334
55°	19662	20238	20926
60°	19045	19705	20494
65°	18430	19055	19989
70°	17641	18413	19374
75°	16364	17295	18482
80°	14406	15918	17315
85°	10325	12087	15611



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.7	3.5
10°-20°	456.1	9.9
20°-30°	677.1	14.7
30°-40°	795.8	17.3
40°-50°	807.3	17.6
50°-60°	722.5	15.7
60°-70°	556.9	12.1
70°-80°	330.8	7.2
80°-90°	90.2	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°	1293.9	28.1
0°-40°	2089.7	45.5
0°-60°	3619.5	78.7
0°-90°	4597.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4597.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1703	1703	1703	1703	1703	
5°	1689	1689	1694	1689	1709	160
15°	1610	1613	1622	1616	1636	453
25°	1451	1452	1478	1474	1494	668
35°	1249	1252	1280	1281	1301	781
45°	1021	1026	1049	1061	1075	788
55°	786	789	809	822	836	702
65°	543	547	561	576	589	537
75°	295	301	312	323	333	312
85°	63	64	73	90	95	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1703.1	1703.1	1703.1	1703.1	1703.1
2.5°	1689.4	1697.0	1701.6	1697.0	1715.4
5°	1689.4	1689.4	1694.0	1689.4	1709.3
7.5°	1677.1	1677.1	1683.3	1678.7	1698.5
10°	1658.8	1660.3	1666.4	1661.9	1681.7
12.5°	1635.9	1637.4	1648.1	1640.5	1661.9
15°	1609.9	1612.9	1622.1	1616.0	1635.9
17.5°	1576.2	1580.8	1593.1	1585.4	1606.8
20°	1539.5	1541.1	1559.4	1553.3	1574.7
22.5°	1496.7	1496.7	1521.2	1515.1	1535.0
25°	1450.9	1452.4	1478.4	1473.8	1493.7
27.5°	1403.5	1408.1	1435.6	1431.0	1450.9
30°	1353.0	1357.6	1386.7	1383.6	1403.5
32.5°	1301.0	1305.6	1334.7	1333.2	1353.0
35°	1249.1	1252.1	1279.6	1281.2	1301.0
37.5°	1192.5	1197.1	1224.6	1229.2	1247.5
40°	1135.9	1142.0	1168.0	1174.2	1191.0
42.5°	1079.4	1084.0	1109.9	1117.6	1134.4
45°	1021.3	1025.9	1048.8	1061.0	1074.8
47.5°	963.2	967.8	990.7	999.9	1015.2
50°	905.1	908.1	931.1	943.3	955.5
52.5°	845.5	850.0	869.9	882.1	897.4
55°	785.8	788.9	808.8	822.5	836.3
57.5°	724.7	729.3	747.6	762.9	775.1
60°	663.5	668.1	686.5	700.2	714.0
62.5°	602.4	608.5	623.8	640.6	649.8
65°	542.7	547.3	561.1	576.4	588.6
67.5°	481.6	486.2	498.4	513.7	525.9
70°	420.4	425.0	438.8	451.0	461.7
72.5°	356.2	360.8	371.5	385.3	396.0
75°	295.1	301.2	311.9	322.6	333.3
77.5°	235.4	241.6	252.3	264.5	270.6
80°	174.3	180.4	192.6	203.3	209.5
82.5°	116.2	119.3	133.0	146.8	151.4
85°	62.7	64.2	73.4	90.2	94.8
87.5°	15.3	16.8	22.9	35.2	41.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)