

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: P303005

Luminaire Tested: **CTW-F-0100-30L940-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303005
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-0100-30L940-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

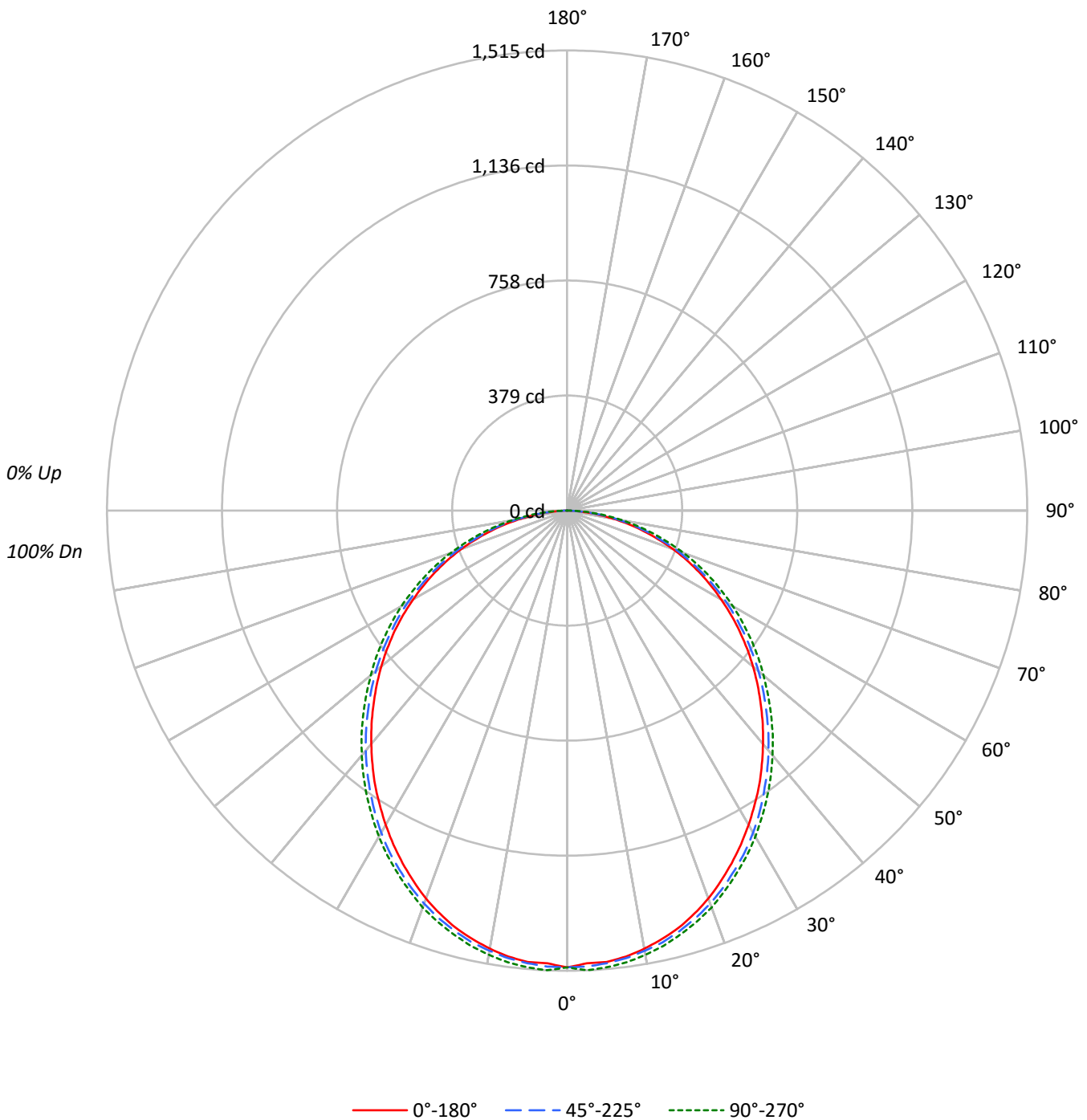
Lumens per Lamp: N/A
Luminaire Lumens: 4059.4 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

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	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	80	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	42	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°	21584	21584	21584
5°	21490	21550	21744
10°	21345	21445	21641
15°	21121	21281	21463
20°	20762	21031	21237
25°	20287	20672	20886
30°	19799	20291	20538
35°	19323	19796	20127
40°	18791	19323	19702
45°	18304	18797	19262
50°	17844	18355	18838
55°	17363	17868	18476
60°	16818	17397	18095
65°	16273	16824	17649
70°	15576	16256	17108
75°	14445	15271	16319
80°	12720	14059	15282
85°	9106	10671	13783



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	3.5
10°-20°	402.7	9.9
20°-30°	597.8	14.7
30°-40°	702.7	17.3
40°-50°	712.8	17.6
50°-60°	638.0	15.7
60°-70°	491.7	12.1
70°-80°	292.0	7.2
80°-90°	79.6	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°	1142.5	28.1
0°-40°	1845.2	45.5
0°-60°	3196.0	78.7
0°-90°	4059.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4059.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1504	1504	1504	1504	1504	
5°	1492	1492	1496	1492	1509	141
15°	1422	1424	1432	1427	1444	400
25°	1281	1282	1305	1301	1319	590
35°	1103	1106	1130	1131	1149	689
45°	902	906	926	937	949	696
55°	694	697	714	726	738	620
65°	479	483	495	509	520	474
75°	260	266	275	285	294	276
85°	55	57	65	80	84	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1503.9	1503.9	1503.9	1503.9	1503.9
2.5°	1491.7	1498.5	1502.5	1498.5	1514.7
5°	1491.7	1491.7	1495.8	1491.7	1509.3
7.5°	1480.9	1480.9	1486.3	1482.3	1499.8
10°	1464.7	1466.1	1471.5	1467.4	1485.0
12.5°	1444.5	1445.8	1455.3	1448.5	1467.4
15°	1421.5	1424.2	1432.3	1426.9	1444.5
17.5°	1391.8	1395.9	1406.7	1399.9	1418.8
20°	1359.4	1360.8	1377.0	1371.6	1390.5
22.5°	1321.6	1321.6	1343.2	1337.8	1355.4
25°	1281.1	1282.5	1305.4	1301.4	1318.9
27.5°	1239.3	1243.3	1267.6	1263.6	1281.1
30°	1194.7	1198.8	1224.4	1221.7	1239.3
32.5°	1148.8	1152.9	1178.5	1177.2	1194.7
35°	1102.9	1105.6	1129.9	1131.3	1148.8
37.5°	1053.0	1057.0	1081.3	1085.4	1101.6
40°	1003.0	1008.4	1031.4	1036.8	1051.6
42.5°	953.1	957.1	980.1	986.8	1001.7
45°	901.8	905.8	926.1	936.9	949.0
47.5°	850.5	854.5	874.8	882.9	896.4
50°	799.2	801.9	822.1	832.9	843.7
52.5°	746.5	750.6	768.1	778.9	792.4
55°	693.9	696.6	714.1	726.3	738.4
57.5°	639.9	643.9	660.1	673.6	684.4
60°	585.9	589.9	606.1	618.3	630.4
62.5°	531.9	537.3	550.8	565.6	573.7
65°	479.2	483.3	495.4	508.9	519.7
67.5°	425.2	429.3	440.1	453.6	464.4
70°	371.2	375.3	387.4	398.2	407.7
72.5°	314.5	318.6	328.0	340.2	349.6
75°	260.5	265.9	275.4	284.8	294.3
77.5°	207.9	213.3	222.7	233.5	238.9
80°	153.9	159.3	170.1	179.5	184.9
82.5°	102.6	105.3	117.4	129.6	133.6
85°	55.3	56.7	64.8	79.6	83.7
87.5°	13.5	14.8	20.2	31.0	36.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)