

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: P303000

Luminaire Tested: **CTW-F-0100-30L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303000
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-0100-30L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4337.1 lumens
Efficiency: N/A
Efficacy: 106.0 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

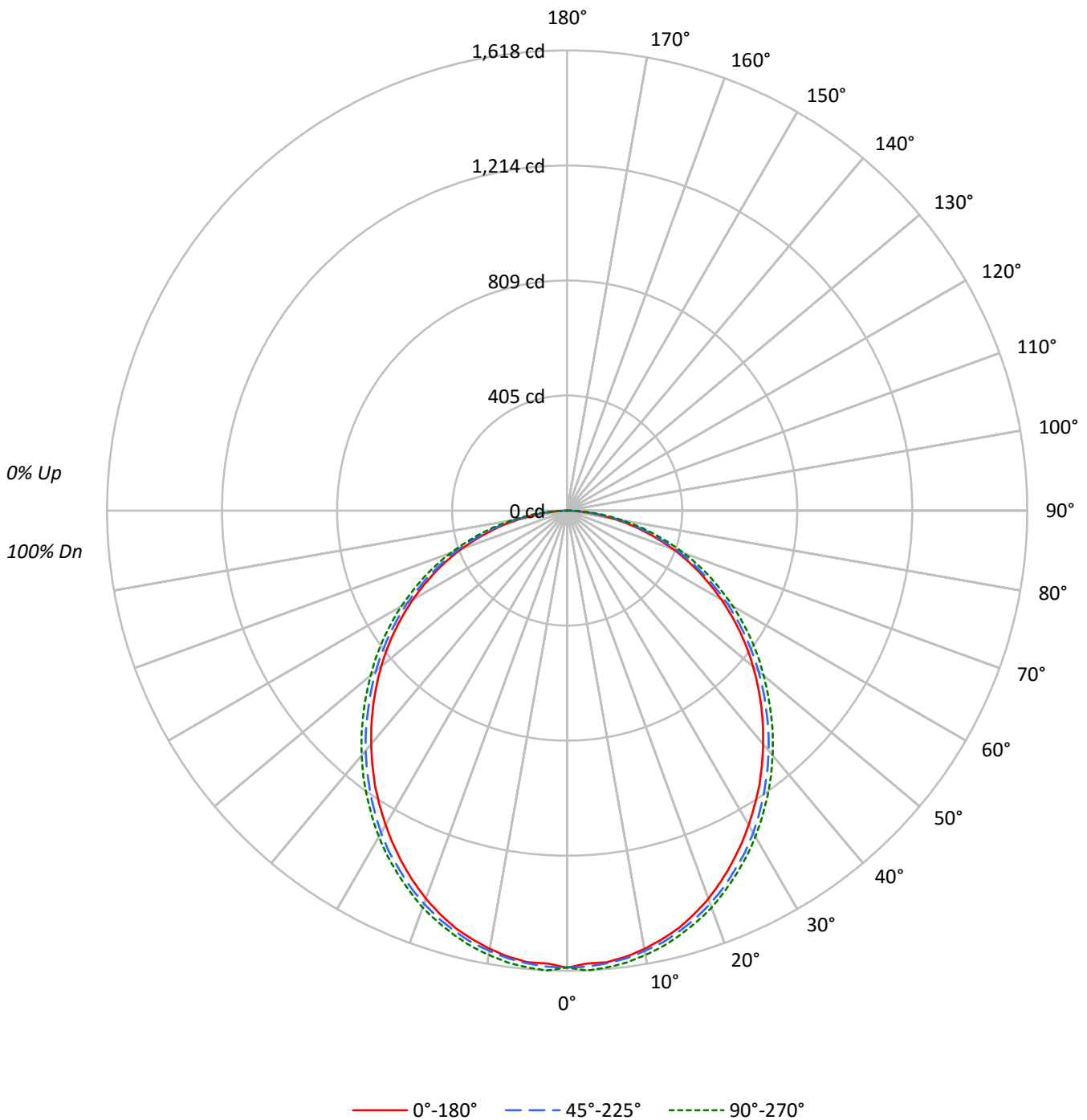
Input Watts (W): 40.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23059	23059	23059
5°	22961	23023	23231
10°	22806	22911	23121
15°	22567	22737	22931
20°	22182	22470	22690
25°	21676	22086	22314
30°	21153	21680	21942
35°	20646	21151	21505
40°	20076	20644	21051
45°	19556	20081	20579
50°	19063	19613	20126
55°	18549	19092	19740
60°	17969	18589	19335
65°	17387	17975	18858
70°	16642	17368	18279
75°	15438	16314	17434
80°	13588	15017	16331
85°	9732	11395	14721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	3.5
10°-20°	430.3	9.9
20°-30°	638.7	14.7
30°-40°	750.8	17.3
40°-50°	761.6	17.6
50°-60°	681.6	15.7
60°-70°	525.3	12.1
70°-80°	312.0	7.2
80°-90°	85.1	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°	1220.6	28.1
0°-40°	1971.4	45.5
0°-60°	3414.6	78.7
0°-90°	4337.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4337.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1607	1607	1607	1607	1607	
5°	1594	1594	1598	1594	1612	151
15°	1519	1522	1530	1524	1543	428
25°	1369	1370	1395	1390	1409	630
35°	1178	1181	1207	1209	1227	736
45°	964	968	989	1001	1014	744
55°	741	744	763	776	789	663
65°	512	516	529	544	555	506
75°	278	284	294	304	314	295
85°	59	61	69	85	89	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1606.7	1606.7	1606.7	1606.7	1606.7
2.5°	1593.8	1601.0	1605.3	1601.0	1618.3
5°	1593.8	1593.8	1598.1	1593.8	1612.5
7.5°	1582.2	1582.2	1588.0	1583.7	1602.4
10°	1564.9	1566.3	1572.1	1567.8	1586.5
12.5°	1543.3	1544.7	1554.8	1547.6	1567.8
15°	1518.8	1521.6	1530.3	1524.5	1543.3
17.5°	1487.0	1491.3	1502.9	1495.7	1515.9
20°	1452.4	1453.8	1471.2	1465.4	1485.6
22.5°	1412.0	1412.0	1435.1	1429.3	1448.1
25°	1368.8	1370.2	1394.7	1390.4	1409.1
27.5°	1324.0	1328.4	1354.3	1350.0	1368.8
30°	1276.4	1280.8	1308.2	1305.3	1324.0
32.5°	1227.4	1231.7	1259.1	1257.7	1276.4
35°	1178.4	1181.3	1207.2	1208.7	1227.4
37.5°	1125.0	1129.3	1155.3	1159.6	1176.9
40°	1071.6	1077.4	1101.9	1107.7	1123.6
42.5°	1018.3	1022.6	1047.1	1054.3	1070.2
45°	963.5	967.8	989.4	1001.0	1013.9
47.5°	908.7	913.0	934.6	943.3	957.7
50°	853.8	856.7	878.4	889.9	901.4
52.5°	797.6	801.9	820.7	832.2	846.6
55°	741.3	744.2	763.0	776.0	788.9
57.5°	683.7	688.0	705.3	719.7	731.3
60°	626.0	630.3	647.6	660.6	673.6
62.5°	568.3	574.0	588.5	604.3	613.0
65°	512.0	516.3	529.3	543.8	555.3
67.5°	454.3	458.7	470.2	484.6	496.2
70°	396.6	401.0	413.9	425.5	435.6
72.5°	336.1	340.4	350.5	363.5	373.6
75°	278.4	284.1	294.2	304.3	314.4
77.5°	222.1	227.9	238.0	249.5	255.3
80°	164.4	170.2	181.7	191.8	197.6
82.5°	109.6	112.5	125.5	138.5	142.8
85°	59.1	60.6	69.2	85.1	89.4
87.5°	14.4	15.9	21.6	33.2	38.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)