

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: P303010

Luminaire Tested: **CTW-F-0100-30L935-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303010
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-0100-30L935-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

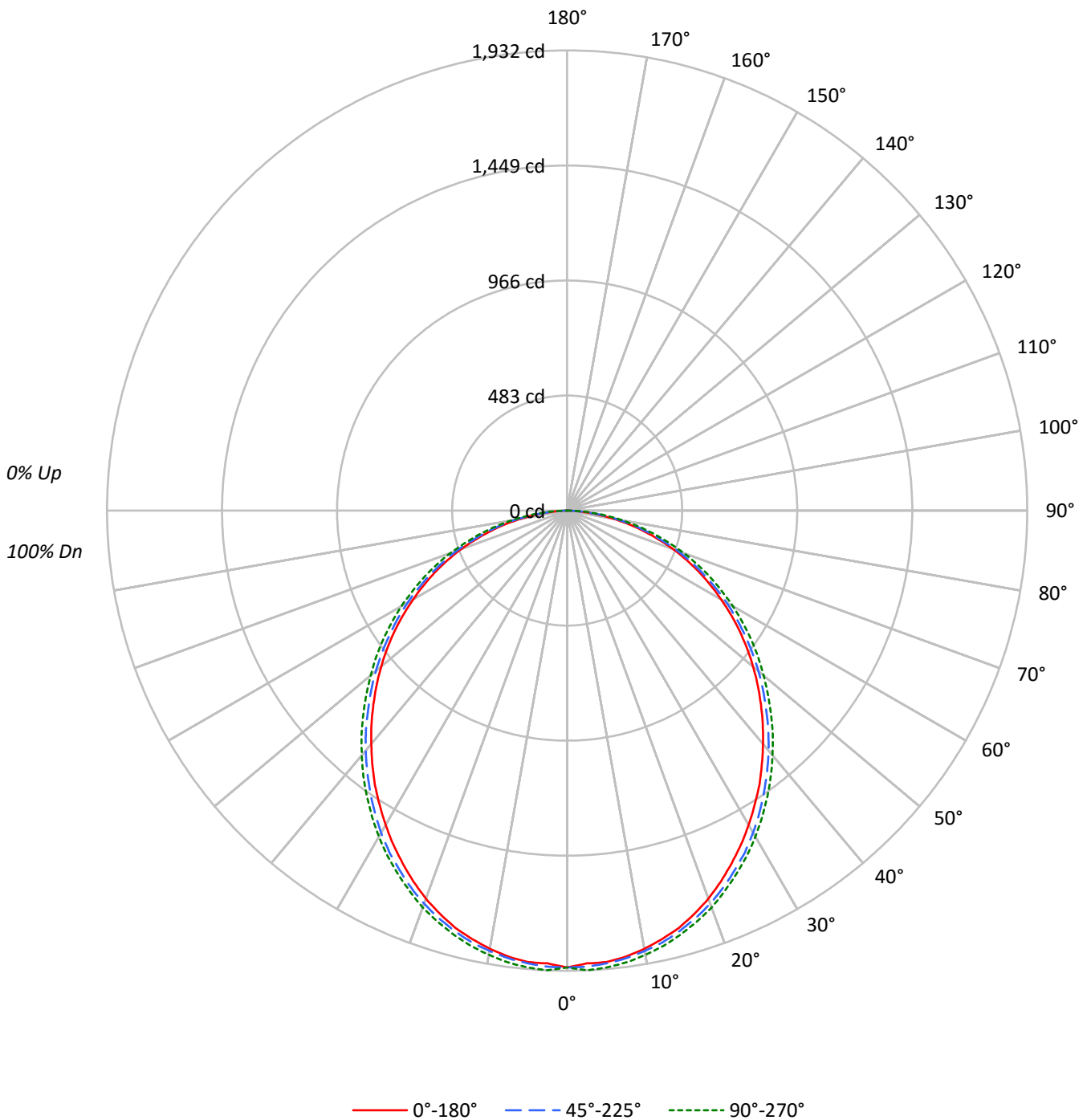
Lumens per Lamp: N/A
Luminaire Lumens: 5178.2 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 54.9
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°	20648	20648	20648
5°	20560	20616	20802
10°	20422	20516	20704
15°	20207	20359	20532
20°	19864	20119	20317
25°	19409	19777	19981
30°	18942	19413	19648
35°	18487	18939	19256
40°	17977	18486	18848
45°	17510	17982	18428
50°	17071	17561	18023
55°	16610	17094	17676
60°	16088	16645	17313
65°	15570	16097	16886
70°	14905	15553	16365
75°	13820	14610	15612
80°	12168	13451	14623
85°	8719	10214	13190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	3.5
10°-20°	513.7	9.9
20°-30°	762.6	14.7
30°-40°	896.4	17.3
40°-50°	909.3	17.6
50°-60°	813.8	15.7
60°-70°	627.2	12.1
70°-80°	372.5	7.2
80°-90°	101.6	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°	1457.3	28.1
0°-40°	2353.7	45.5
0°-60°	4076.8	78.7
0°-90°	5178.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5178.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1918	1918	1918	1918	1918	
5°	1903	1903	1908	1903	1925	180
15°	1813	1817	1827	1820	1842	511
25°	1634	1636	1665	1660	1682	753
35°	1407	1410	1441	1443	1465	879
45°	1150	1156	1181	1195	1211	888
55°	885	889	911	926	942	791
65°	611	616	632	649	663	604
75°	332	339	351	363	375	352
85°	71	72	83	102	107	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1918.3	1918.3	1918.3	1918.3	1918.3
2.5°	1902.8	1911.4	1916.6	1911.4	1932.1
5°	1902.8	1902.8	1908.0	1902.8	1925.2
7.5°	1889.0	1889.0	1895.9	1890.8	1913.1
10°	1868.4	1870.1	1877.0	1871.8	1894.2
12.5°	1842.5	1844.3	1856.3	1847.7	1871.8
15°	1813.3	1816.7	1827.0	1820.2	1842.5
17.5°	1775.4	1780.5	1794.3	1785.7	1809.8
20°	1734.1	1735.8	1756.4	1749.6	1773.7
22.5°	1685.8	1685.8	1713.4	1706.5	1728.9
25°	1634.2	1635.9	1665.2	1660.0	1682.4
27.5°	1580.8	1586.0	1617.0	1611.8	1634.2
30°	1524.0	1529.1	1561.9	1558.4	1580.8
32.5°	1465.4	1470.6	1503.3	1501.6	1524.0
35°	1406.9	1410.3	1441.3	1443.0	1465.4
37.5°	1343.2	1348.3	1379.3	1384.5	1405.2
40°	1279.4	1286.3	1315.6	1322.5	1341.4
42.5°	1215.7	1220.9	1250.2	1258.8	1277.7
45°	1150.3	1155.5	1181.3	1195.1	1210.6
47.5°	1084.9	1090.0	1115.9	1126.2	1143.4
50°	1019.4	1022.9	1048.7	1062.5	1076.3
52.5°	952.3	957.4	979.8	993.6	1010.8
55°	885.1	888.6	910.9	926.4	941.9
57.5°	816.2	821.4	842.1	859.3	873.1
60°	747.3	752.5	773.2	788.7	804.2
62.5°	678.5	685.4	702.6	721.5	731.9
65°	611.3	616.5	632.0	649.2	663.0
67.5°	542.4	547.6	561.4	578.6	592.4
70°	473.6	478.7	494.2	508.0	520.0
72.5°	401.2	406.4	418.4	433.9	446.0
75°	332.3	339.2	351.3	363.3	375.4
77.5°	265.2	272.1	284.1	297.9	304.8
80°	196.3	203.2	217.0	229.0	235.9
82.5°	130.9	134.3	149.8	165.3	170.5
85°	70.6	72.3	82.7	101.6	106.8
87.5°	17.2	18.9	25.8	39.6	46.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)