

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: P303006

Luminaire Tested: **CTW-F-0100-30L830-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303006
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-8
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

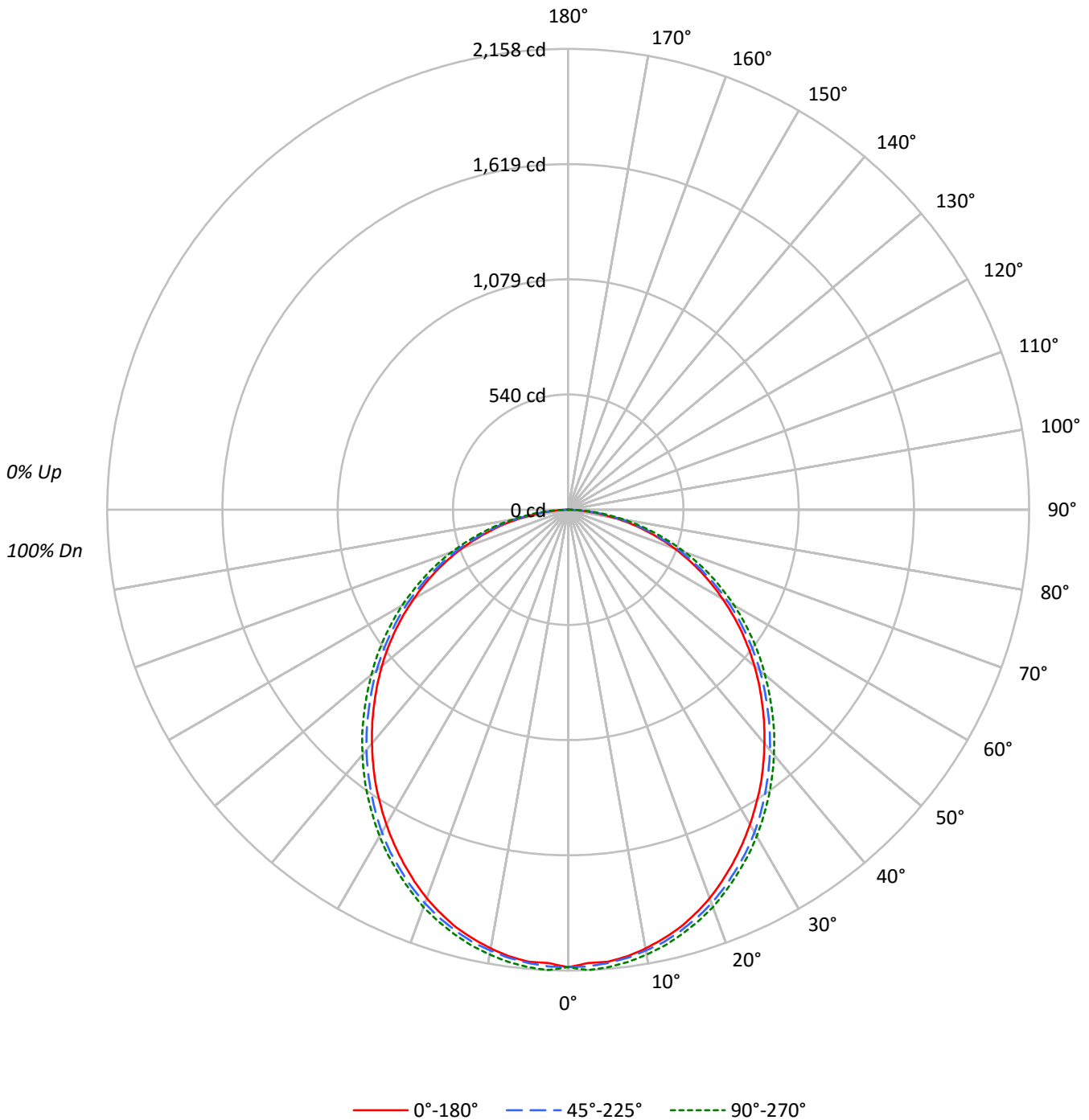
Lumens per Lamp: N/A
Luminaire Lumens: 5782.8 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

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°	23060	23060	23060
5°	22961	23023	23231
10°	22805	22911	23121
15°	22566	22737	22930
20°	22182	22468	22690
25°	21675	22086	22314
30°	21153	21679	21942
35°	20646	21151	21504
40°	20076	20644	21050
45°	19555	20081	20579
50°	19065	19613	20127
55°	18551	19091	19740
60°	17967	18589	19334
65°	17388	17976	18858
70°	16642	17369	18279
75°	15438	16315	17434
80°	13588	15019	16334
85°	9732	11399	14721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	3.5
10°-20°	573.7	9.9
20°-30°	851.6	14.7
30°-40°	1001.0	17.3
40°-50°	1015.5	17.6
50°-60°	908.8	15.7
60°-70°	700.4	12.1
70°-80°	416.1	7.2
80°-90°	113.5	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°	1627.5	28.1
0°-40°	2628.5	45.5
0°-60°	4552.8	78.7
0°-90°	5782.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5782.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2142	2142	2142	2142	2142	
5°	2125	2125	2131	2125	2150	202
15°	2025	2029	2040	2033	2058	570
25°	1825	1827	1860	1854	1879	841
35°	1571	1575	1610	1612	1636	982
45°	1285	1290	1319	1335	1352	992
55°	988	992	1017	1035	1052	883
65°	683	688	706	725	740	675
75°	371	379	392	406	419	393
85°	79	81	92	114	119	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2142.3	2142.3	2142.3	2142.3	2142.3
2.5°	2125.0	2134.6	2140.4	2134.6	2157.7
5°	2125.0	2125.0	2130.8	2125.0	2150.0
7.5°	2109.6	2109.6	2117.3	2111.5	2136.5
10°	2086.5	2088.5	2096.2	2090.4	2115.4
12.5°	2057.7	2059.6	2073.1	2063.5	2090.4
15°	2025.0	2028.8	2040.4	2032.7	2057.7
17.5°	1982.7	1988.5	2003.8	1994.2	2021.2
20°	1936.5	1938.5	1961.5	1953.8	1980.8
22.5°	1882.7	1882.7	1913.5	1905.8	1930.8
25°	1825.0	1826.9	1859.6	1853.8	1878.8
27.5°	1765.4	1771.2	1805.8	1800.0	1825.0
30°	1701.9	1707.7	1744.2	1740.4	1765.4
32.5°	1636.5	1642.3	1678.8	1676.9	1701.9
35°	1571.2	1575.0	1609.6	1611.5	1636.5
37.5°	1500.0	1505.8	1540.4	1546.2	1569.2
40°	1428.8	1436.5	1469.2	1476.9	1498.1
42.5°	1357.7	1363.5	1396.2	1405.8	1426.9
45°	1284.6	1290.4	1319.2	1334.6	1351.9
47.5°	1211.5	1217.3	1246.2	1257.7	1276.9
50°	1138.5	1142.3	1171.2	1186.5	1201.9
52.5°	1063.5	1069.2	1094.2	1109.6	1128.8
55°	988.5	992.3	1017.3	1034.6	1051.9
57.5°	911.5	917.3	940.4	959.6	975.0
60°	834.6	840.4	863.5	880.8	898.1
62.5°	757.7	765.4	784.6	805.8	817.3
65°	682.7	688.5	705.8	725.0	740.4
67.5°	605.8	611.5	626.9	646.2	661.5
70°	528.8	534.6	551.9	567.3	580.8
72.5°	448.1	453.8	467.3	484.6	498.1
75°	371.2	378.8	392.3	405.8	419.2
77.5°	296.2	303.8	317.3	332.7	340.4
80°	219.2	226.9	242.3	255.8	263.5
82.5°	146.2	150.0	167.3	184.6	190.4
85°	78.8	80.8	92.3	113.5	119.2
87.5°	19.2	21.2	28.8	44.2	51.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)