

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: P303038

Luminaire Tested: **CTW-F-0100-50L935-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-50L935-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

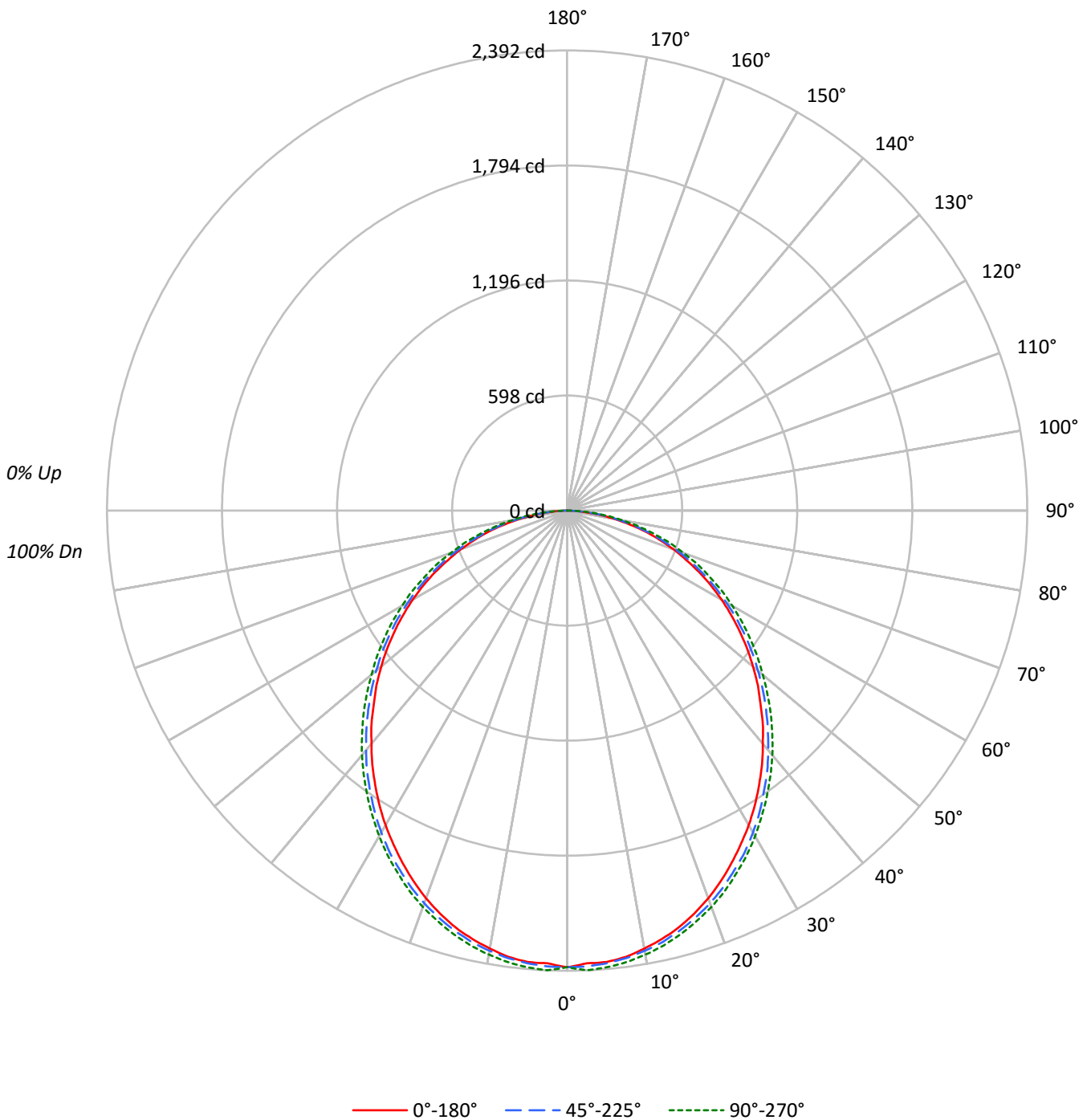
Lumens per Lamp: N/A
Luminaire Lumens: 6414.7 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 69.8
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	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	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	41	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°	34069	34069	34069
5°	33938	34032	34328
10°	33691	33860	34161
15°	33331	33581	33869
20°	32764	33177	33494
25°	32027	32620	32947
30°	31291	32019	32382
35°	30480	31249	31724
40°	29641	30463	31093
45°	28835	29674	30380
50°	28173	28923	29644
55°	27404	28212	29085
60°	26617	27432	28471
65°	25701	26577	27806
70°	24657	25471	26990
75°	23417	24132	25851
80°	20811	22092	24125
85°	15314	17438	21473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.1	3.5
10°-20°	635.6	9.9
20°-30°	943.8	14.7
30°-40°	1109.6	17.3
40°-50°	1124.9	17.5
50°-60°	1007.4	15.7
60°-70°	777.1	12.1
70°-80°	464.3	7.2
80°-90°	127.8	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°	1803.5	28.1
0°-40°	2913.1	45.4
0°-60°	5045.5	78.7
0°-90°	6414.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6414.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2374	2374	2374	2374	2374	
5°	2356	2356	2362	2356	2383	223
15°	2243	2247	2260	2251	2280	632
25°	2022	2029	2060	2055	2081	932
35°	1740	1746	1784	1789	1811	1089
45°	1421	1431	1462	1476	1497	1099
55°	1095	1100	1128	1148	1162	980
65°	757	763	783	807	819	749
75°	422	425	435	456	466	442
85°	93	94	106	125	130	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2373.8	2373.8	2373.8	2373.8	2373.8
2.5°	2355.7	2366.0	2371.2	2364.7	2391.9
5°	2355.7	2355.7	2362.2	2355.7	2382.8
7.5°	2340.2	2338.9	2346.7	2340.2	2367.3
10°	2311.8	2313.1	2323.4	2317.0	2344.1
12.5°	2280.8	2282.1	2296.3	2287.2	2315.7
15°	2243.3	2247.2	2260.1	2251.1	2279.5
17.5°	2196.8	2203.3	2218.8	2211.0	2238.2
20°	2145.2	2147.8	2172.3	2164.6	2193.0
22.5°	2085.8	2089.6	2119.4	2111.6	2141.3
25°	2022.5	2028.9	2059.9	2054.8	2080.6
27.5°	1955.3	1963.1	2000.5	1994.1	2021.2
30°	1888.2	1894.6	1932.1	1928.2	1954.0
32.5°	1815.8	1822.3	1861.1	1859.8	1883.0
35°	1739.7	1746.1	1783.6	1788.7	1810.7
37.5°	1664.7	1669.9	1708.7	1715.1	1735.8
40°	1582.1	1592.4	1626.0	1635.0	1659.6
42.5°	1505.9	1512.3	1544.6	1557.5	1578.2
45°	1420.7	1431.0	1462.0	1476.2	1496.8
47.5°	1344.5	1349.6	1379.3	1397.4	1412.9
50°	1261.8	1267.0	1295.4	1314.7	1327.7
52.5°	1179.1	1184.3	1212.7	1232.1	1246.3
55°	1095.2	1100.4	1127.5	1148.1	1162.4
57.5°	1011.2	1017.7	1042.2	1066.8	1077.1
60°	927.3	933.8	955.7	980.2	991.9
62.5°	842.1	848.5	869.2	893.7	909.2
65°	756.8	763.3	782.6	807.2	818.8
67.5°	669.0	678.0	696.1	719.4	736.2
70°	587.6	592.8	607.0	629.0	643.2
72.5°	502.4	510.1	520.5	541.1	559.2
75°	422.3	424.9	435.2	455.9	466.2
77.5°	331.9	338.4	352.6	370.7	379.7
80°	251.8	254.4	267.3	285.4	291.9
82.5°	167.9	171.8	186.0	204.1	209.2
85°	93.0	94.3	105.9	125.3	130.4
87.5°	25.8	27.1	33.6	50.4	58.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)