

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: P303018

Luminaire Tested: **CTW-F-0100-40L835-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-40L835-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6093.3 lumens
Efficiency: N/A
Efficacy: 107.5 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

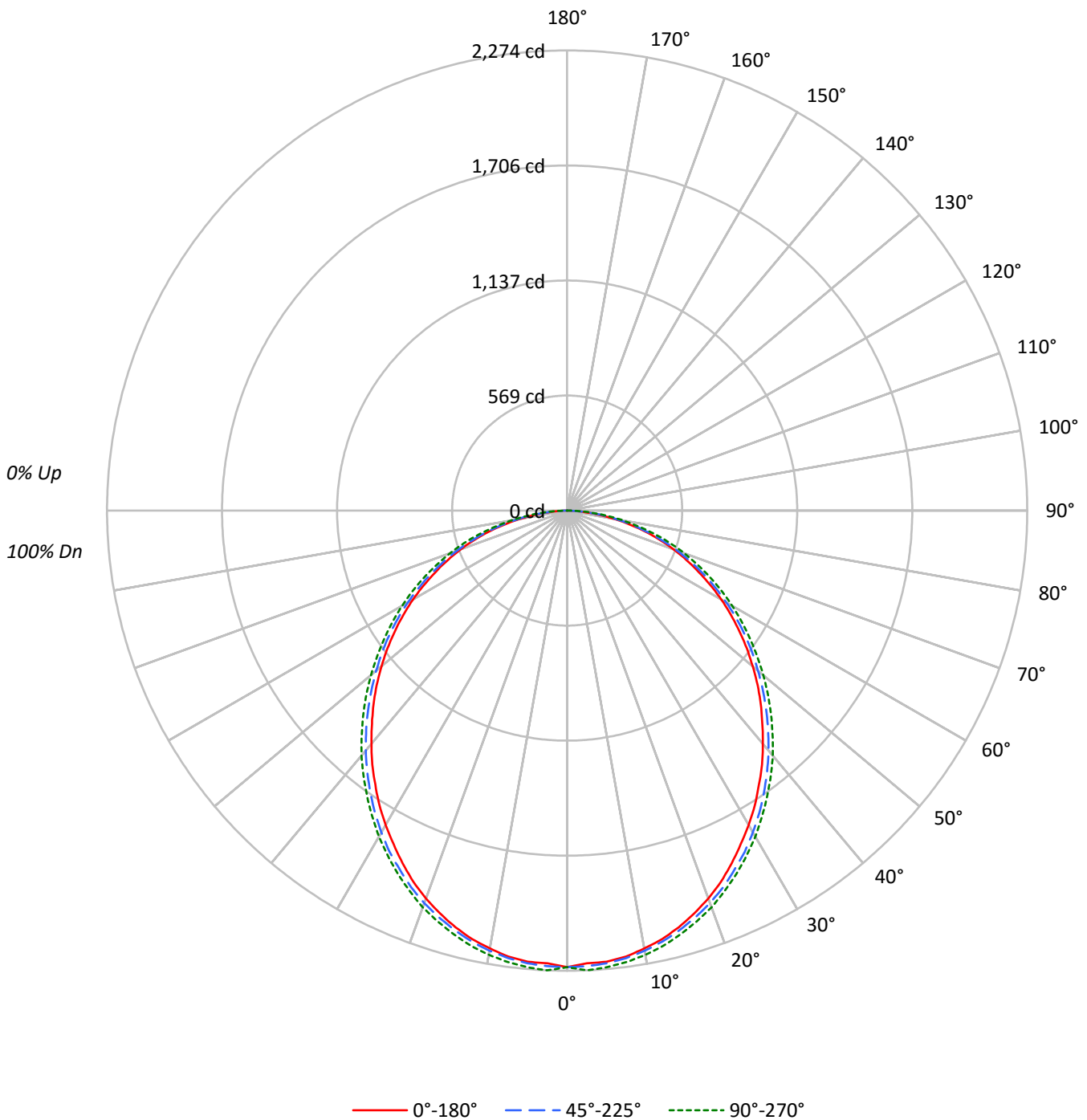
Input Watts (W): 56.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79	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	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°	32378	32378	32378
5°	32242	32350	32631
10°	32025	32178	32484
15°	31670	31893	32205
20°	31157	31523	31867
25°	30452	30998	31354
30°	29730	30426	30824
35°	28961	29723	30196
40°	28187	29002	29620
45°	27461	28222	28923
50°	26726	27496	28267
55°	26010	26836	27586
60°	25274	26092	27039
65°	24349	25266	26437
70°	23478	24296	25807
75°	22042	23040	24787
80°	19464	20952	23183
85°	14079	16549	20748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.9	3.5
10°-20°	603.9	9.9
20°-30°	896.7	14.7
30°-40°	1054.3	17.3
40°-50°	1069.2	17.5
50°-60°	957.2	15.7
60°-70°	738.1	12.1
70°-80°	440.4	7.2
80°-90°	120.5	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°	1713.6	28.1
0°-40°	2767.8	45.4
0°-60°	4794.2	78.7
0°-90°	6093.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6093.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2256	2256	2256	2256	2256	
5°	2238	2238	2246	2238	2265	212
15°	2132	2134	2146	2139	2168	601
25°	1923	1926	1958	1953	1980	886
35°	1653	1658	1696	1698	1724	1035
45°	1353	1358	1390	1406	1425	1044
55°	1040	1047	1072	1092	1102	930
65°	717	724	744	765	778	711
75°	398	400	416	430	447	419
85°	86	88	100	117	126	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2256.0	2256.0	2256.0	2256.0	2256.0
2.5°	2239.5	2248.5	2253.0	2247.0	2274.0
5°	2238.0	2238.0	2245.5	2238.0	2265.0
7.5°	2223.0	2223.0	2230.5	2223.0	2250.0
10°	2197.5	2199.0	2208.0	2202.0	2229.0
12.5°	2169.0	2167.5	2181.0	2173.5	2202.0
15°	2131.5	2134.5	2146.5	2139.0	2167.5
17.5°	2088.0	2092.5	2107.5	2100.0	2128.5
20°	2040.0	2041.5	2064.0	2055.0	2086.5
22.5°	1986.0	1984.5	2014.5	2007.0	2034.0
25°	1923.0	1926.0	1957.5	1953.0	1980.0
27.5°	1858.5	1863.0	1900.5	1893.0	1921.5
30°	1794.0	1797.0	1836.0	1830.0	1860.0
32.5°	1726.5	1729.5	1768.5	1767.0	1792.5
35°	1653.0	1657.5	1696.5	1698.0	1723.5
37.5°	1582.5	1584.0	1623.0	1627.5	1653.0
40°	1504.5	1510.5	1548.0	1555.5	1581.0
42.5°	1428.0	1434.0	1470.0	1480.5	1503.0
45°	1353.0	1357.5	1390.5	1405.5	1425.0
47.5°	1276.5	1279.5	1311.0	1327.5	1345.5
50°	1197.0	1203.0	1231.5	1248.0	1266.0
52.5°	1119.0	1125.0	1153.5	1170.0	1183.5
55°	1039.5	1047.0	1072.5	1092.0	1102.5
57.5°	960.0	967.5	991.5	1011.0	1023.0
60°	880.5	888.0	909.0	930.0	942.0
62.5°	798.0	807.0	826.5	849.0	861.0
65°	717.0	724.5	744.0	765.0	778.5
67.5°	637.5	645.0	661.5	681.0	696.0
70°	559.5	564.0	579.0	598.5	615.0
72.5°	480.0	484.5	496.5	514.5	532.5
75°	397.5	400.5	415.5	430.5	447.0
77.5°	315.0	318.0	331.5	348.0	361.5
80°	235.5	240.0	253.5	268.5	280.5
82.5°	157.5	160.5	177.0	192.0	201.0
85°	85.5	88.5	100.5	117.0	126.0
87.5°	22.5	24.0	31.5	46.5	57.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)