

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: P302984

Luminaire Tested: **CTW-F-0100-20L835-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-20L835-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

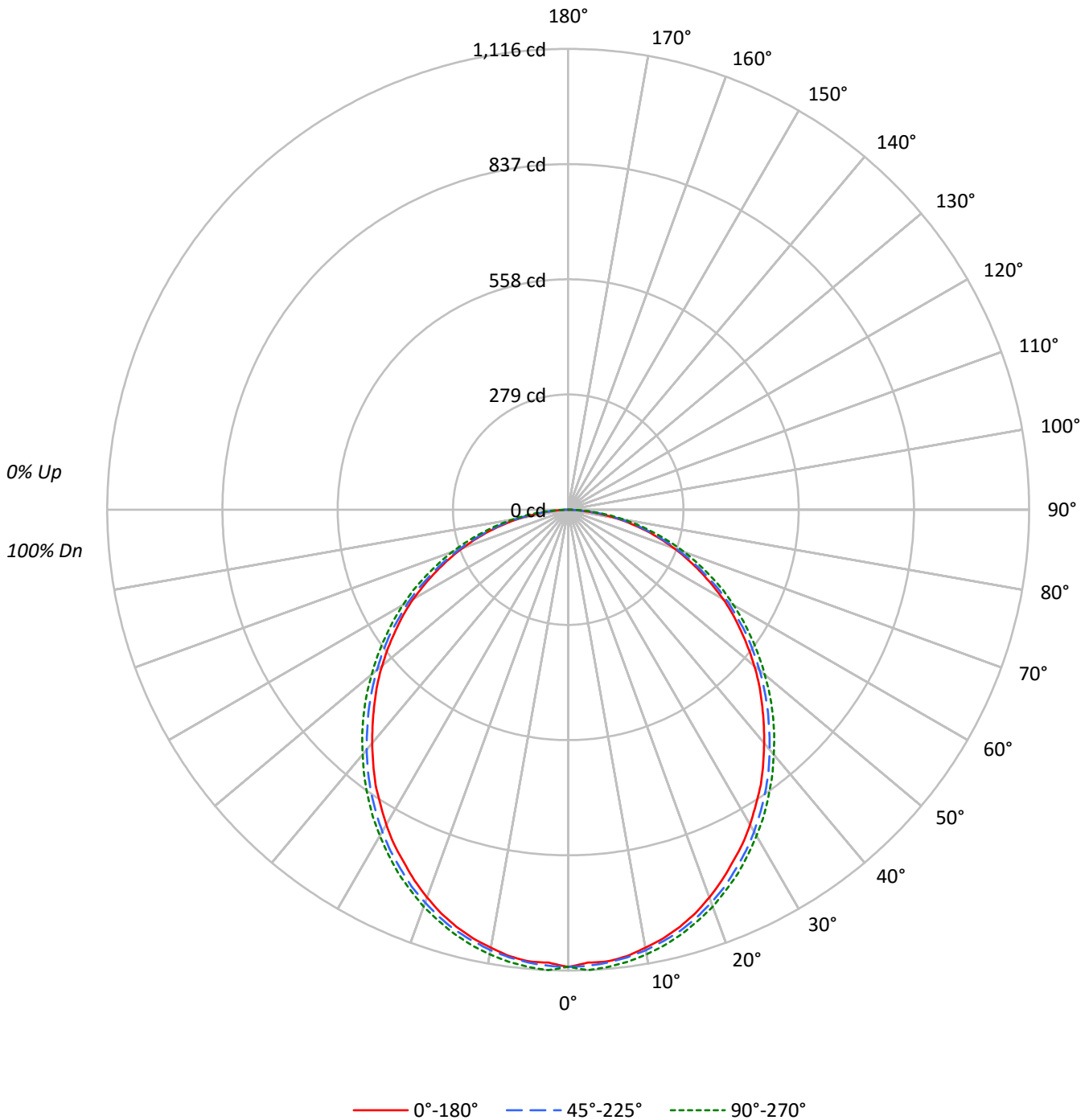
Lumens per Lamp: N/A
Luminaire Lumens: 2985.8 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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



TEST NUMBER: P302984
CATALOG NUMBER: CTW-F-0100-20L835-UNV-STD-6

Luminous Intensity Polar Plot





TEST NUMBER: P302984

CATALOG NUMBER: CTW-F-0100-20L835-UNV-STD-6

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	71	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	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	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	30	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°	15888	15888	15888
5°	15819	15862	16013
10°	15695	15783	15936
15°	15534	15668	15802
20°	15258	15464	15624
25°	14917	15202	15392
30°	14592	14915	15114
35°	14244	14586	14822
40°	13826	14220	14501
45°	13457	13852	14218
50°	13129	13497	13865
55°	12761	13174	13549
60°	12443	12788	13261
65°	11920	12276	12888
70°	11456	11770	12526
75°	10730	11146	11978
80°	9546	10166	11282
85°	6669	7904	10127



TEST NUMBER: P302984

CATALOG NUMBER: CTW-F-0100-20L835-UNV-STD-6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	3.5
10°-20°	296.4	9.9
20°-30°	440.0	14.7
30°-40°	517.3	17.3
40°-50°	524.7	17.6
50°-60°	469.5	15.7
60°-70°	360.1	12.1
70°-80°	214.4	7.2
80°-90°	59.0	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°	840.8	28.2
0°-40°	1358.1	45.5
0°-60°	2352.3	78.8
0°-90°	2985.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2985.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1107	1107	1107	1107	1107	
5°	1098	1098	1101	1098	1112	104
15°	1046	1048	1054	1050	1064	294
25°	942	945	960	958	972	434
35°	813	813	832	832	846	508
45°	663	666	682	690	700	512
55°	510	513	526	536	542	457
65°	351	352	362	370	380	348
75°	194	195	201	210	216	204
85°	40	44	48	58	62	50
90°	0	0	0	0	0	



TEST NUMBER: P302984

CATALOG NUMBER: CTW-F-0100-20L835-UNV-STD-6

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1107.0	1107.0	1107.0	1107.0	<i>1107.0</i>
2.5°	<i>1098.0</i>	<i>1104.0</i>	<i>1105.5</i>	<i>1102.5</i>	<i>1116.0</i>
5°	1098.0	1098.0	1101.0	1098.0	<i>1111.5</i>
7.5°	1090.5	1090.5	1093.5	1090.5	<i>1104.0</i>
10°	1077.0	1078.5	1083.0	1080.0	<i>1093.5</i>
12.5°	1063.5	1063.5	1069.5	1066.5	<i>1080.0</i>
15°	1045.5	1048.5	1054.5	1050.0	<i>1063.5</i>
17.5°	1024.5	1027.5	1035.0	1032.0	<i>1044.0</i>
20°	999.0	1002.0	1012.5	1009.5	<i>1023.0</i>
22.5°	972.0	973.5	988.5	984.0	<i>997.5</i>
25°	942.0	945.0	960.0	958.5	<i>972.0</i>
27.5°	913.5	915.0	931.5	928.5	<i>942.0</i>
30°	880.5	883.5	900.0	900.0	<i>912.0</i>
32.5°	846.0	849.0	867.0	867.0	<i>880.5</i>
35°	813.0	813.0	832.5	832.5	<i>846.0</i>
37.5°	775.5	777.0	796.5	798.0	<i>811.5</i>
40°	738.0	741.0	759.0	763.5	<i>774.0</i>
42.5°	700.5	705.0	720.0	727.5	<i>738.0</i>
45°	663.0	666.0	682.5	690.0	<i>700.5</i>
47.5°	627.0	628.5	643.5	651.0	<i>661.5</i>
50°	588.0	589.5	604.5	612.0	<i>621.0</i>
52.5°	549.0	552.0	565.5	574.5	<i>582.0</i>
55°	510.0	513.0	526.5	535.5	<i>541.5</i>
57.5°	472.5	474.0	484.5	495.0	<i>502.5</i>
60°	433.5	435.0	445.5	456.0	<i>462.0</i>
62.5°	391.5	394.5	405.0	415.5	<i>423.0</i>
65°	351.0	352.5	361.5	370.5	<i>379.5</i>
67.5°	312.0	313.5	321.0	331.5	<i>339.0</i>
70°	273.0	274.5	280.5	289.5	<i>298.5</i>
72.5°	232.5	234.0	240.0	250.5	<i>256.5</i>
75°	193.5	195.0	201.0	210.0	<i>216.0</i>
77.5°	154.5	157.5	162.0	172.5	<i>175.5</i>
80°	115.5	118.5	123.0	133.5	<i>136.5</i>
82.5°	76.5	79.5	87.0	94.5	<i>97.5</i>
85°	40.5	43.5	48.0	58.5	<i>61.5</i>
87.5°	10.5	10.5	15.0	24.0	<i>27.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)