

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: P302980

Luminaire Tested: **CTW-F-0100-20L930-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302980
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-0100-20L930-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1655.6 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

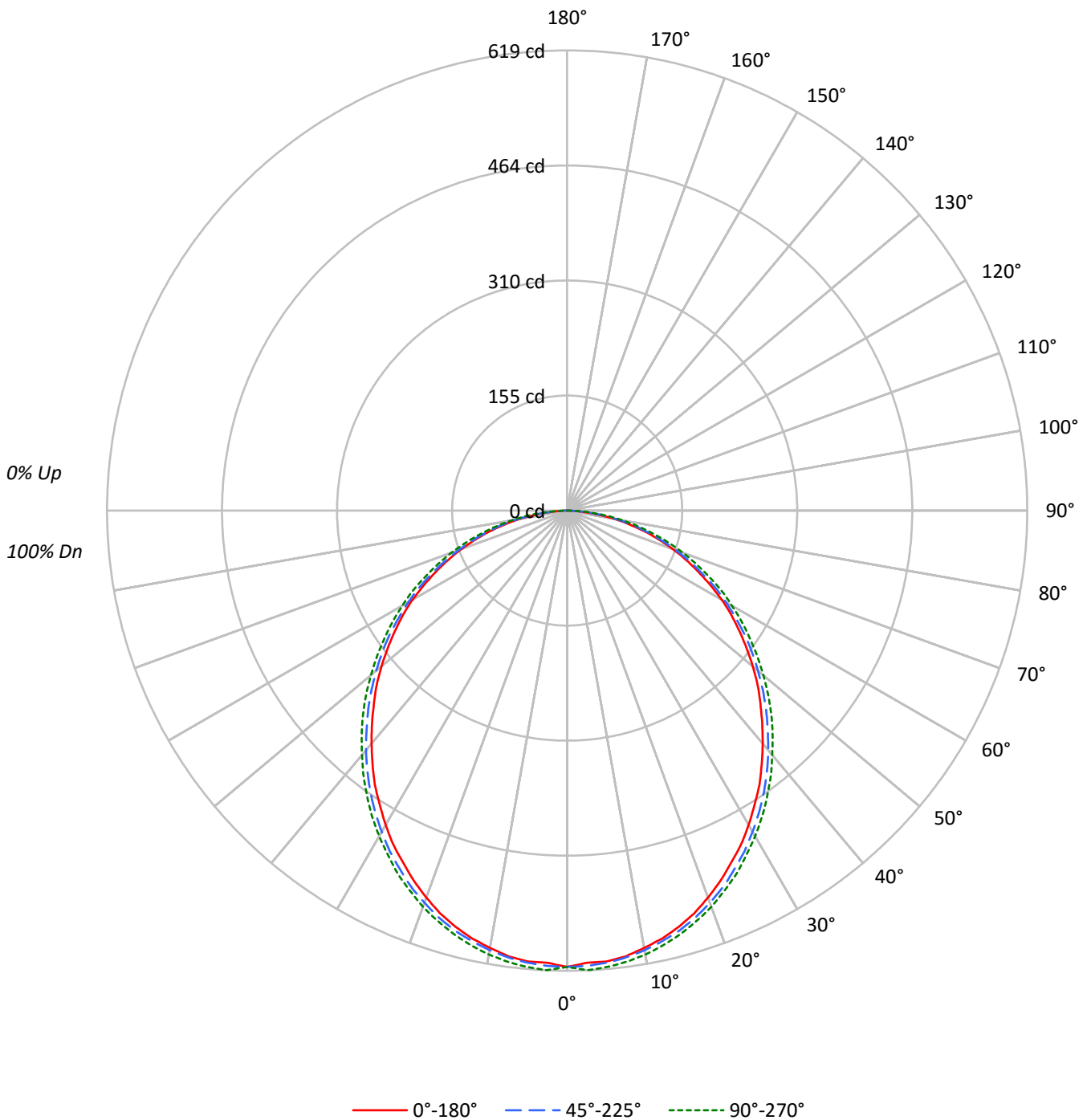
Input Watts (W): 17.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P302980

CATALOG NUMBER: CTW-F-0100-20L930-UNV-STD-4

Luminous Intensity Polar Plot





TEST NUMBER: P302980

CATALOG NUMBER: CTW-F-0100-20L930-UNV-STD-4

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°	13214	13214	13214
5°	13156	13193	13318
10°	13055	13127	13254
15°	12920	13031	13143
20°	12690	12861	12994
25°	12406	12644	12803
30°	12136	12404	12571
35°	11847	12131	12328
40°	11500	11828	12062
45°	11192	11520	11825
50°	10918	11226	11531
55°	10614	10956	11271
60°	10351	10635	11031
65°	9913	10208	10718
70°	9530	9788	10417
75°	8925	9274	9965
80°	7934	8455	9385
85°	5558	6570	8423



TEST NUMBER: P302980

CATALOG NUMBER: CTW-F-0100-20L930-UNV-STD-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	3.5
10°-20°	164.3	9.9
20°-30°	243.9	14.7
30°-40°	286.8	17.3
40°-50°	291.0	17.6
50°-60°	260.3	15.7
60°-70°	199.6	12.1
70°-80°	118.9	7.2
80°-90°	32.7	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°	466.2	28.2
0°-40°	753.0	45.5
0°-60°	1304.3	78.8
0°-90°	1655.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1655.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	614	614	614	614	614	
5°	609	609	610	609	616	58
15°	580	581	585	582	590	163
25°	522	524	532	532	539	241
35°	451	451	462	462	469	282
45°	368	369	378	383	388	284
55°	283	284	292	297	300	253
65°	195	196	200	205	210	193
75°	107	108	112	116	120	113
85°	22	24	27	32	34	28
90°	0	0	0	0	0	



TEST NUMBER: P302980

CATALOG NUMBER: CTW-F-0100-20L930-UNV-STD-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	613.8	613.8	613.8	613.8	613.8
2.5°	608.8	612.2	613.0	611.3	618.8
5°	608.8	608.8	610.5	608.8	616.3
7.5°	604.7	604.7	606.3	604.7	612.2
10°	597.2	598.0	600.5	598.8	606.3
12.5°	589.7	589.7	593.0	591.4	598.8
15°	579.7	581.4	584.7	582.2	589.7
17.5°	568.1	569.7	573.9	572.2	578.9
20°	553.9	555.6	561.4	559.8	567.2
22.5°	539.0	539.8	548.1	545.6	553.1
25°	522.3	524.0	532.3	531.5	539.0
27.5°	506.5	507.4	516.5	514.8	522.3
30°	488.2	489.9	499.0	499.0	505.7
32.5°	469.1	470.8	480.7	480.7	488.2
35°	450.8	450.8	461.6	461.6	469.1
37.5°	430.0	430.8	441.6	442.5	450.0
40°	409.2	410.9	420.9	423.4	429.2
42.5°	388.4	390.9	399.2	403.4	409.2
45°	367.6	369.3	378.4	382.6	388.4
47.5°	347.7	348.5	356.8	361.0	366.8
50°	326.0	326.9	335.2	339.3	344.3
52.5°	304.4	306.1	313.6	318.6	322.7
55°	282.8	284.5	291.9	296.9	300.3
57.5°	262.0	262.8	268.6	274.5	278.6
60°	240.4	241.2	247.0	252.8	256.2
62.5°	217.1	218.7	224.6	230.4	234.5
65°	194.6	195.5	200.4	205.4	210.4
67.5°	173.0	173.8	178.0	183.8	188.0
70°	151.4	152.2	155.5	160.5	165.5
72.5°	128.9	129.8	133.1	138.9	142.2
75°	107.3	108.1	111.5	116.4	119.8
77.5°	85.7	87.3	89.8	95.6	97.3
80°	64.0	65.7	68.2	74.0	75.7
82.5°	42.4	44.1	48.2	52.4	54.1
85°	22.5	24.1	26.6	32.4	34.1
87.5°	5.8	5.8	8.3	13.3	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)