

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: P302999

Luminaire Tested: **CTW-F-0100-30L940-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302999
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-0100-30L940-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

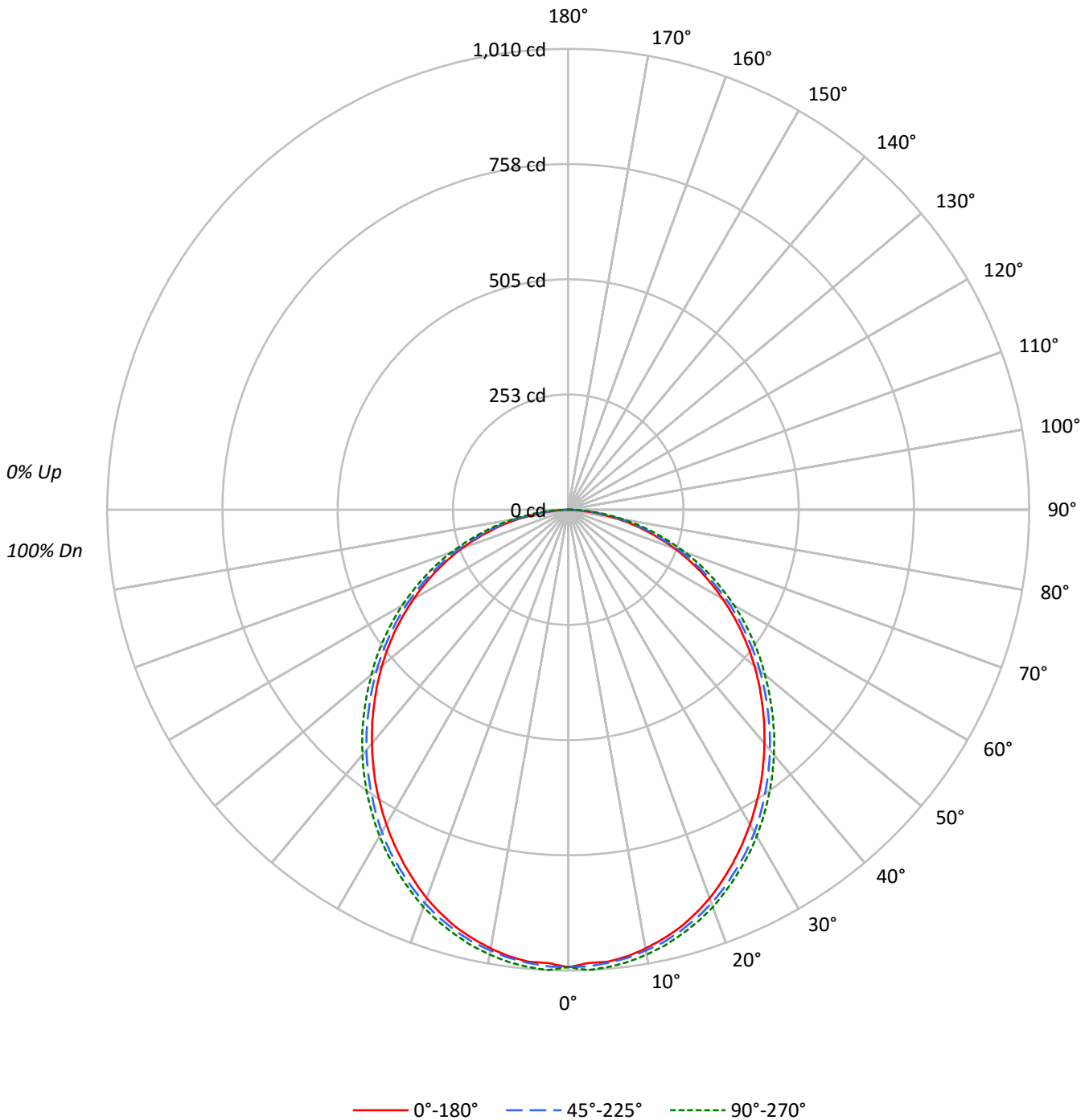
Lumens per Lamp: N/A
Luminaire Lumens: 2706.4 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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: P302999
CATALOG NUMBER: CTW-F-0100-30L940-UNV-STD-4

Luminous Intensity Polar Plot





TEST NUMBER: P302999

CATALOG NUMBER: CTW-F-0100-30L940-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	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°	21584	21584	21584
5°	21491	21550	21744
10°	21346	21445	21641
15°	21122	21282	21463
20°	20763	21031	21237
25°	20288	20673	20886
30°	19800	20292	20538
35°	19324	19797	20128
40°	18792	19323	19703
45°	18304	18797	19263
50°	17844	18357	18839
55°	17363	17869	18477
60°	16818	17399	18096
65°	16275	16825	17650
70°	15578	16258	17108
75°	14448	15271	16319
80°	12720	14059	15286
85°	9114	10671	13783



TEST NUMBER: P302999

CATALOG NUMBER: CTW-F-0100-30L940-UNV-STD-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	3.5
10°-20°	268.5	9.9
20°-30°	398.6	14.7
30°-40°	468.5	17.3
40°-50°	475.2	17.6
50°-60°	425.3	15.7
60°-70°	327.8	12.1
70°-80°	194.7	7.2
80°-90°	53.1	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°	761.7	28.1
0°-40°	1230.2	45.5
0°-60°	2130.7	78.7
0°-90°	2706.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2706.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1003	1003	1003	1003	1003	
5°	994	994	997	994	1006	94
15°	948	950	955	951	963	267
25°	854	855	870	868	879	393
35°	735	737	753	754	766	460
45°	601	604	617	625	633	464
55°	463	464	476	484	492	413
65°	320	322	330	339	346	316
75°	174	177	184	190	196	184
85°	37	38	43	53	56	45
90°	0	0	0	0	0	



TEST NUMBER: P302999

CATALOG NUMBER: CTW-F-0100-30L940-UNV-STD-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	994.5	999.0	1001.7	999.0	1009.8
5°	994.5	994.5	997.2	994.5	1006.2
7.5°	987.3	987.3	990.9	988.2	999.9
10°	976.5	977.4	981.0	978.3	990.0
12.5°	963.0	963.9	970.2	965.7	978.3
15°	947.7	949.5	954.9	951.3	963.0
17.5°	927.9	930.6	937.8	933.3	945.9
20°	906.3	907.2	918.0	914.4	927.0
22.5°	881.1	881.1	895.5	891.9	903.6
25°	854.1	855.0	870.3	867.6	879.3
27.5°	826.2	828.9	845.1	842.4	854.1
30°	796.5	799.2	816.3	814.5	826.2
32.5°	765.9	768.6	785.7	784.8	796.5
35°	735.3	737.1	753.3	754.2	765.9
37.5°	702.0	704.7	720.9	723.6	734.4
40°	668.7	672.3	687.6	691.2	701.1
42.5°	635.4	638.1	653.4	657.9	667.8
45°	601.2	603.9	617.4	624.6	632.7
47.5°	567.0	569.7	583.2	588.6	597.6
50°	532.8	534.6	548.1	555.3	562.5
52.5°	497.7	500.4	512.1	519.3	528.3
55°	462.6	464.4	476.1	484.2	492.3
57.5°	426.6	429.3	440.1	449.1	456.3
60°	390.6	393.3	404.1	412.2	420.3
62.5°	354.6	358.2	367.2	377.1	382.5
65°	319.5	322.2	330.3	339.3	346.5
67.5°	283.5	286.2	293.4	302.4	309.6
70°	247.5	250.2	258.3	265.5	271.8
72.5°	209.7	212.4	218.7	226.8	233.1
75°	173.7	177.3	183.6	189.9	196.2
77.5°	138.6	142.2	148.5	155.7	159.3
80°	102.6	106.2	113.4	119.7	123.3
82.5°	68.4	70.2	78.3	86.4	89.1
85°	36.9	37.8	43.2	53.1	55.8
87.5°	9.0	9.9	13.5	20.7	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)