

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: P302988

Luminaire Tested: **CTW-F-0100-20L940-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302988
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-0100-20L940-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

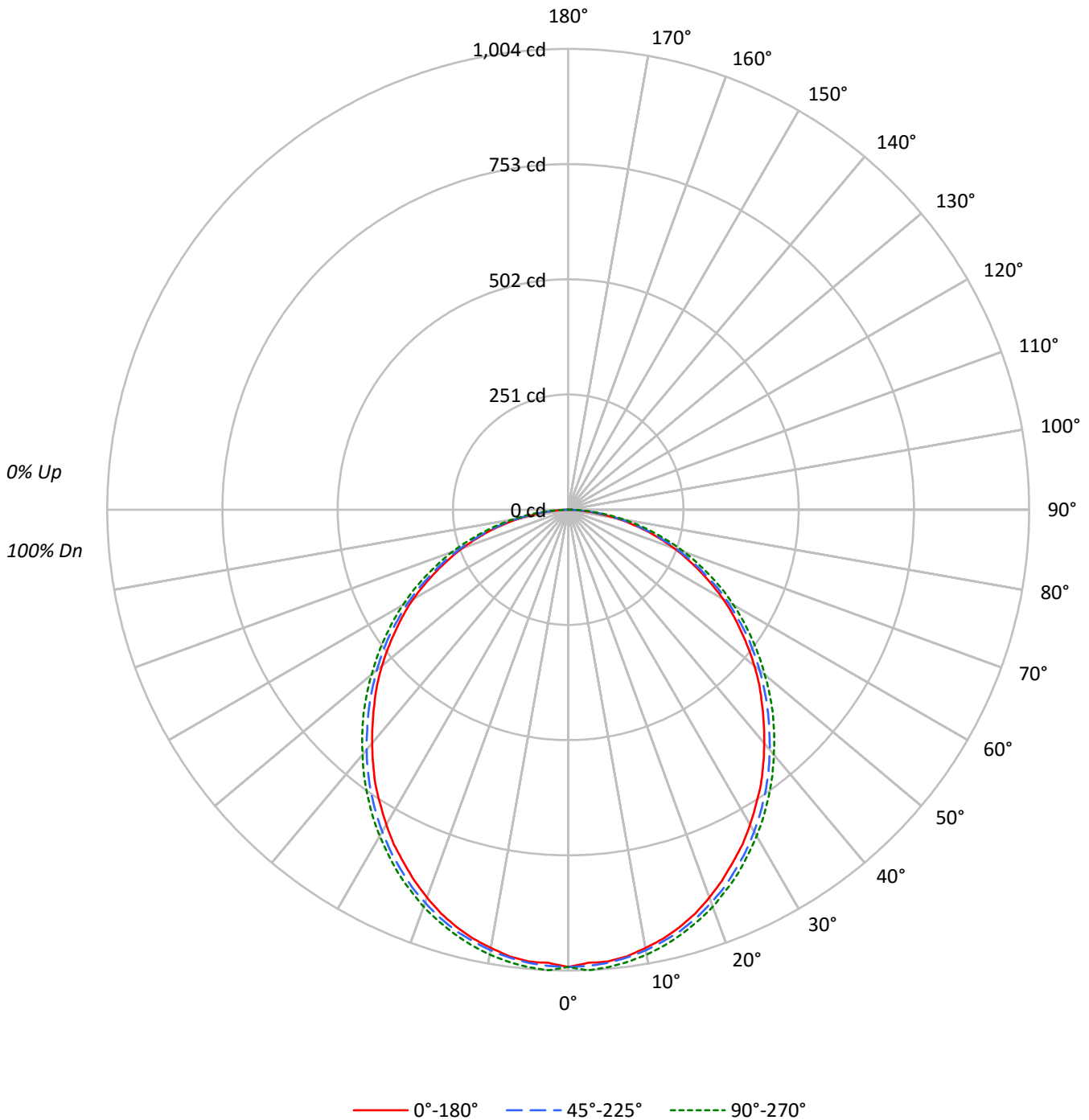
Lumens per Lamp: N/A
Luminaire Lumens: 2687.0 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

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



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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	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°	14299	14299	14299
5°	14237	14276	14411
10°	14126	14205	14342
15°	13980	14100	14221
20°	13732	13917	14062
25°	13425	13682	13853
30°	13132	13423	13602
35°	12820	13126	13340
40°	12444	12798	13051
45°	12111	12466	12795
50°	11816	12146	12479
55°	11485	11855	12193
60°	11197	11507	11935
65°	10728	11047	11597
70°	10310	10591	11271
75°	9654	10031	10780
80°	8587	9149	10149
85°	5994	7114	9106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	3.5
10°-20°	266.7	9.9
20°-30°	395.9	14.7
30°-40°	465.5	17.3
40°-50°	472.2	17.6
50°-60°	422.5	15.7
60°-70°	324.0	12.1
70°-80°	193.0	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°	756.7	28.2
0°-40°	1222.2	45.5
0°-60°	2117.0	78.8
0°-90°	2687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	988	988	991	988	1000	94
15°	941	944	949	945	957	265
25°	848	850	864	863	875	391
35°	732	732	749	749	761	457
45°	597	599	614	621	630	461
55°	459	462	474	482	487	411
65°	316	317	325	333	342	313
75°	174	176	181	189	194	184
85°	36	39	43	53	55	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.3	996.3	996.3	996.3	996.3
2.5°	988.2	993.6	994.9	992.2	1004.4
5°	988.2	988.2	990.9	988.2	1000.3
7.5°	981.4	981.4	984.1	981.4	993.6
10°	969.3	970.6	974.7	972.0	984.1
12.5°	957.1	957.1	962.5	959.8	972.0
15°	940.9	943.6	949.0	945.0	957.1
17.5°	922.0	924.7	931.5	928.8	939.6
20°	899.1	901.8	911.2	908.5	920.7
22.5°	874.8	876.1	889.6	885.6	897.7
25°	847.8	850.5	864.0	862.6	874.8
27.5°	822.1	823.5	838.3	835.6	847.8
30°	792.4	795.1	810.0	810.0	820.8
32.5°	761.4	764.1	780.3	780.3	792.4
35°	731.7	731.7	749.2	749.2	761.4
37.5°	697.9	699.3	716.8	718.2	730.3
40°	664.2	666.9	683.1	687.1	696.6
42.5°	630.4	634.5	648.0	654.7	664.2
45°	596.7	599.4	614.2	621.0	630.4
47.5°	564.3	565.6	579.1	585.9	595.3
50°	529.2	530.5	544.0	550.8	558.9
52.5°	494.1	496.8	508.9	517.0	523.8
55°	459.0	461.7	473.8	481.9	487.3
57.5°	425.2	426.6	436.0	445.5	452.2
60°	390.1	391.5	400.9	410.4	415.8
62.5°	352.3	355.0	364.5	373.9	380.7
65°	315.9	317.2	325.3	333.4	341.5
67.5°	280.8	282.1	288.9	298.3	305.1
70°	245.7	247.0	252.4	260.5	268.6
72.5°	209.2	210.6	216.0	225.4	230.8
75°	174.1	175.5	180.9	189.0	194.4
77.5°	139.0	141.7	145.8	155.2	157.9
80°	103.9	106.6	110.7	120.1	122.8
82.5°	68.8	71.5	78.3	85.0	87.7
85°	36.4	39.1	43.2	52.6	55.3
87.5°	9.4	9.4	13.5	21.6	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)