

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: P302986

Luminaire Tested: **CTW-F-0100-20L930-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302986
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-6
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

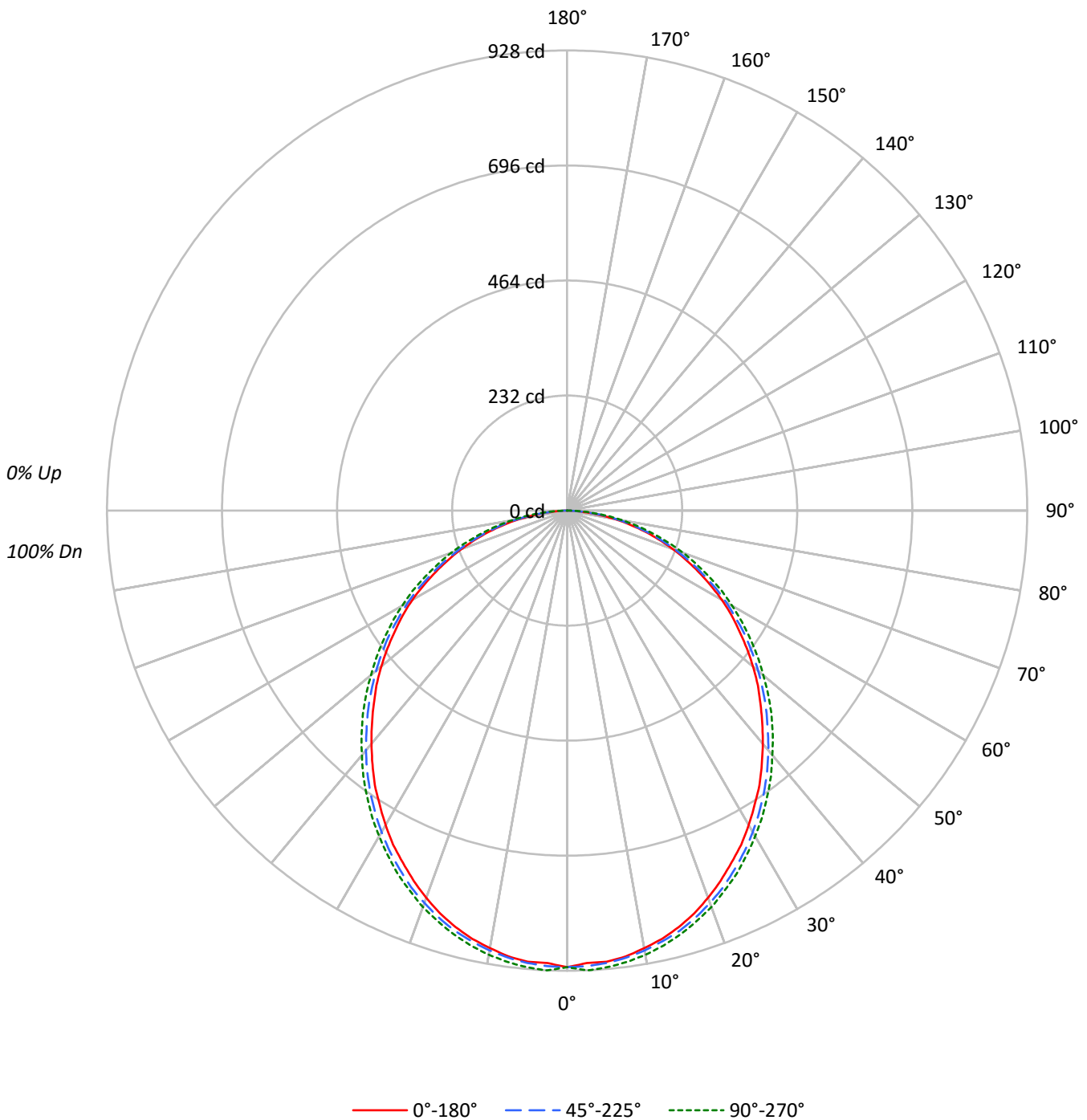
Lumens per Lamp: N/A
Luminaire Lumens: 2483.4 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

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°	13214	13214	13214
5°	13156	13192	13319
10°	13055	13128	13254
15°	12921	13032	13142
20°	12690	12861	12996
25°	12407	12645	12801
30°	12136	12406	12570
35°	11847	12131	12327
40°	11500	11827	12062
45°	11192	11522	11825
50°	10920	11226	11532
55°	10614	10957	11270
60°	10351	10635	11031
65°	9913	10212	10718
70°	9530	9790	10419
75°	8922	9271	9965
80°	7943	8455	9381
85°	5549	6570	8431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	3.5
10°-20°	246.5	9.9
20°-30°	365.9	14.7
30°-40°	430.2	17.3
40°-50°	436.4	17.6
50°-60°	390.5	15.7
60°-70°	299.5	12.1
70°-80°	178.4	7.2
80°-90°	49.1	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°	699.3	28.2
0°-40°	1129.5	45.5
0°-60°	1956.5	78.8
0°-90°	2483.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2483.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	913	913	916	913	924	87
15°	870	872	877	873	884	245
25°	784	786	798	797	808	361
35°	676	676	692	692	704	422
45°	551	554	568	574	583	426
55°	424	427	438	445	450	380
65°	292	293	301	308	316	290
75°	161	162	167	175	180	170
85°	34	36	40	49	51	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	920.7	920.7	920.7	920.7	920.7
2.5°	913.2	918.2	919.5	917.0	928.2
5°	913.2	913.2	915.7	913.2	924.5
7.5°	907.0	907.0	909.5	907.0	918.2
10°	895.8	897.0	900.8	898.3	909.5
12.5°	884.5	884.5	889.5	887.0	898.3
15°	869.6	872.1	877.1	873.3	884.5
17.5°	852.1	854.6	860.8	858.3	868.3
20°	830.9	833.4	842.1	839.6	850.9
22.5°	808.4	809.7	822.2	818.4	829.7
25°	783.5	786.0	798.5	797.2	808.4
27.5°	759.8	761.0	774.8	772.3	783.5
30°	732.3	734.8	748.6	748.6	758.5
32.5°	703.6	706.1	721.1	721.1	732.3
35°	676.2	676.2	692.4	692.4	703.6
37.5°	645.0	646.3	662.5	663.7	675.0
40°	613.8	616.3	631.3	635.0	643.8
42.5°	582.6	586.4	598.8	605.1	613.8
45°	551.4	553.9	567.7	573.9	582.6
47.5°	521.5	522.7	535.2	541.5	550.2
50°	489.1	490.3	502.8	509.0	516.5
52.5°	456.6	459.1	470.3	477.8	484.1
55°	424.2	426.7	437.9	445.4	450.4
57.5°	393.0	394.2	403.0	411.7	417.9
60°	360.6	361.8	370.5	379.3	384.3
62.5°	325.6	328.1	336.9	345.6	351.8
65°	291.9	293.2	300.7	308.2	315.6
67.5°	259.5	260.7	267.0	275.7	282.0
70°	227.1	228.3	233.3	240.8	248.3
72.5°	193.4	194.6	199.6	208.3	213.3
75°	160.9	162.2	167.2	174.7	179.7
77.5°	128.5	131.0	134.7	143.5	146.0
80°	96.1	98.6	102.3	111.0	113.5
82.5°	63.6	66.1	72.4	78.6	81.1
85°	33.7	36.2	39.9	48.7	51.2
87.5°	8.7	8.7	12.5	20.0	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)