

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: P302983

Luminaire Tested: **CTW-F-0100-20L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302983
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-0100-20L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2871.0 lumens
Efficiency: N/A
Efficacy: 111.3 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

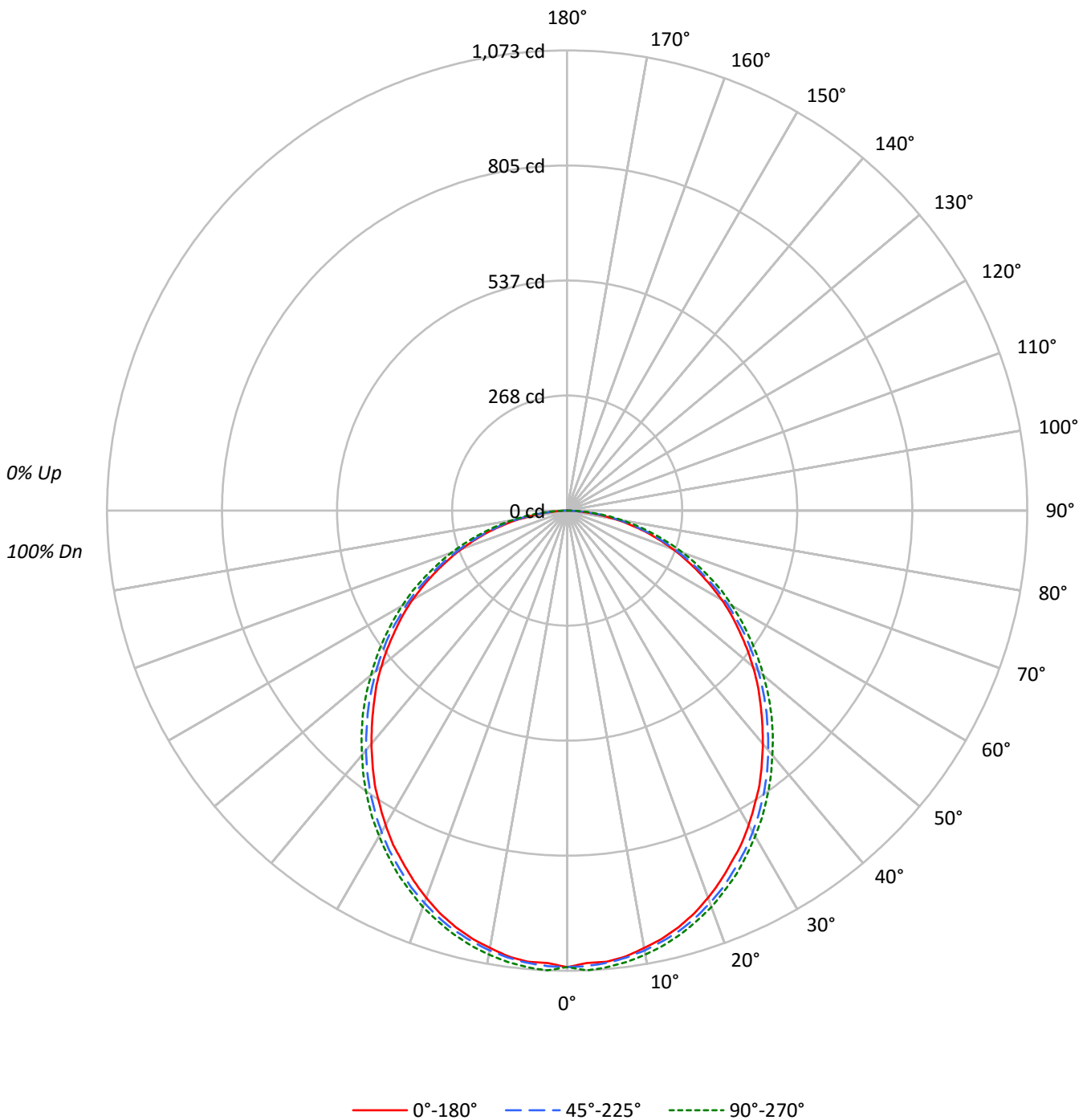
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	15276	15276	15276
5°	15211	15252	15398
10°	15092	15175	15322
15°	14937	15065	15194
20°	14671	14870	15024
25°	14344	14618	14800
30°	14030	14342	14532
35°	13696	14025	14253
40°	13294	13673	13943
45°	12939	13321	13672
50°	12624	12979	13332
55°	12271	12669	13029
60°	11964	12297	12750
65°	11461	11804	12392
70°	11015	11317	12043
75°	10320	10719	11517
80°	9182	9777	10852
85°	6406	7608	9732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	3.5
10°-20°	285.0	9.9
20°-30°	423.0	14.7
30°-40°	497.4	17.3
40°-50°	504.6	17.6
50°-60°	451.4	15.7
60°-70°	346.2	12.1
70°-80°	206.2	7.2
80°-90°	56.7	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°	808.5	28.2
0°-40°	1305.8	45.5
0°-60°	2261.8	78.8
0°-90°	2871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1064	1064	1064	1064	1064	
5°	1056	1056	1059	1056	1069	100
15°	1005	1008	1014	1010	1023	283
25°	906	909	923	922	935	418
35°	782	782	800	800	814	488
45°	638	640	656	664	674	492
55°	490	493	506	515	521	439
65°	338	339	348	356	365	335
75°	186	188	193	202	208	196
85°	39	42	46	56	59	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1064.4	1064.4	1064.4	1064.4	1064.4
2.5°	1055.8	1061.5	1063.0	1060.1	1073.1
5°	1055.8	1055.8	1058.7	1055.8	1068.8
7.5°	1048.6	1048.6	1051.4	1048.6	1061.5
10°	1035.6	1037.0	1041.3	1038.5	1051.4
12.5°	1022.6	1022.6	1028.4	1025.5	1038.5
15°	1005.3	1008.2	1013.9	1009.6	1022.6
17.5°	985.1	988.0	995.2	992.3	1003.8
20°	960.6	963.5	973.6	970.7	983.7
22.5°	934.6	936.1	950.5	946.2	959.1
25°	905.8	908.7	923.1	921.6	934.6
27.5°	878.4	879.8	895.7	892.8	905.8
30°	846.6	849.5	865.4	865.4	876.9
32.5°	813.5	816.3	833.7	833.7	846.6
35°	781.7	781.7	800.5	800.5	813.5
37.5°	745.7	747.1	765.9	767.3	780.3
40°	709.6	712.5	729.8	734.1	744.2
42.5°	673.6	677.9	692.3	699.5	709.6
45°	637.5	640.4	656.3	663.5	673.6
47.5°	602.9	604.3	618.8	626.0	636.1
50°	565.4	566.8	581.3	588.5	597.1
52.5°	527.9	530.8	543.8	552.4	559.6
55°	490.4	493.3	506.3	514.9	520.7
57.5°	454.3	455.8	465.9	476.0	483.2
60°	416.8	418.3	428.4	438.5	444.2
62.5°	376.4	379.3	389.4	399.5	406.7
65°	337.5	338.9	347.6	356.3	364.9
67.5°	300.0	301.4	308.7	318.8	326.0
70°	262.5	263.9	269.7	278.4	287.0
72.5°	223.6	225.0	230.8	240.9	246.6
75°	186.1	187.5	193.3	201.9	207.7
77.5°	148.6	151.4	155.8	165.9	168.8
80°	111.1	113.9	118.3	128.4	131.3
82.5°	73.6	76.4	83.7	90.9	93.8
85°	38.9	41.8	46.2	56.3	59.1
87.5°	10.1	10.1	14.4	23.1	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)