

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: P302989

Luminaire Tested: **CTW-F-0100-20L830-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302989
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-8
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: 3827.9 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

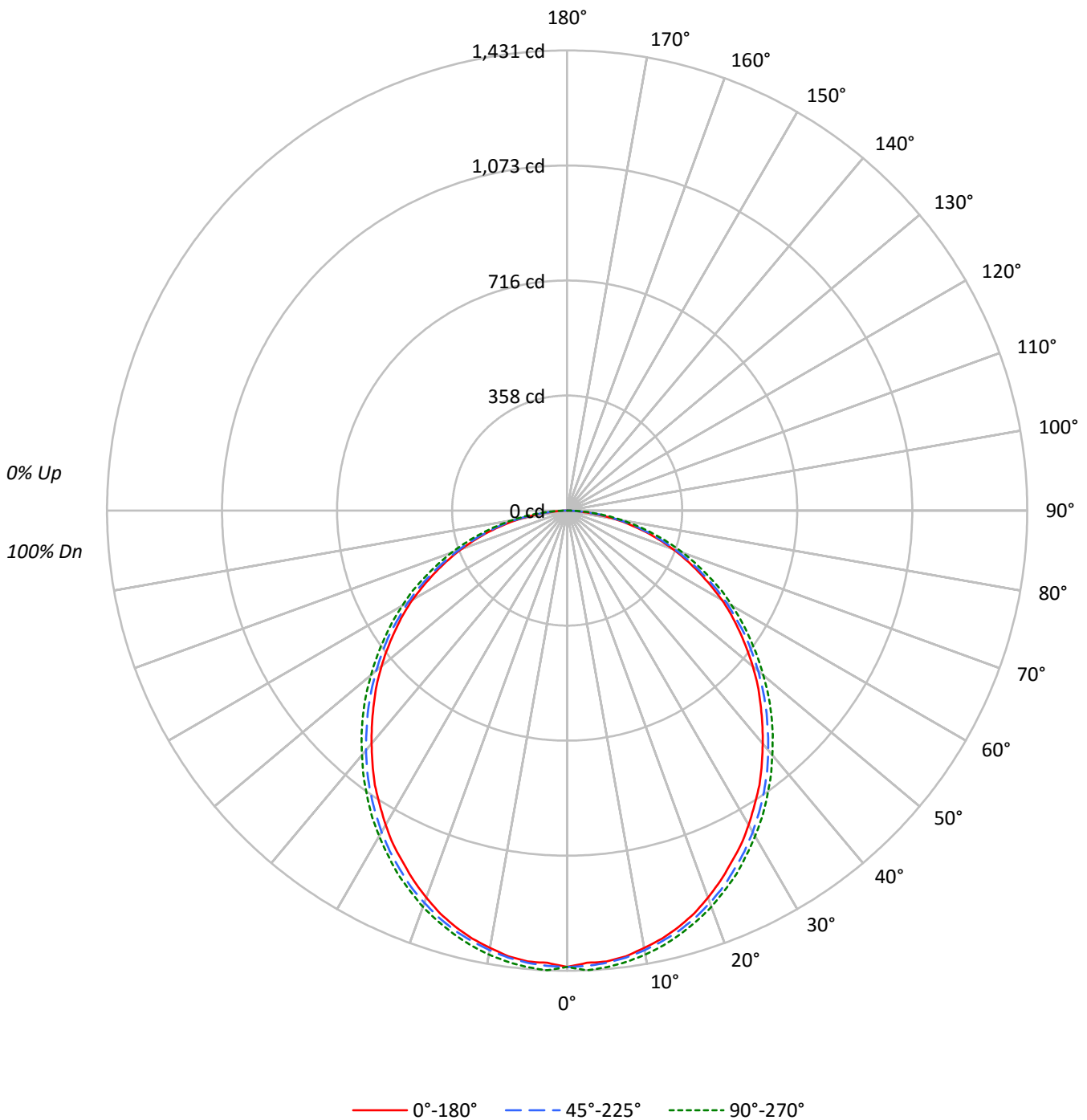
Input Watts (W): 34.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	15210	15251	15397
10°	15092	15176	15323
15°	14937	15065	15194
20°	14671	14869	15023
25°	14343	14618	14801
30°	14030	14341	14532
35°	13696	14025	14252
40°	13295	13673	13943
45°	12939	13320	13671
50°	12623	12978	13333
55°	12269	12667	13028
60°	11965	12297	12751
65°	11461	11805	12391
70°	11015	11317	12044
75°	10318	10717	11516
80°	9180	9775	10848
85°	6410	7595	9732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	3.5
10°-20°	380.0	9.9
20°-30°	564.0	14.7
30°-40°	663.2	17.3
40°-50°	672.7	17.6
50°-60°	601.9	15.7
60°-70°	461.6	12.1
70°-80°	274.9	7.2
80°-90°	75.6	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°	1078.0	28.2
0°-40°	1741.1	45.5
0°-60°	3015.7	78.8
0°-90°	3827.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3827.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1419	1419	1419	1419	1419	
5°	1408	1408	1412	1408	1425	134
15°	1340	1344	1352	1346	1364	378
25°	1208	1212	1231	1229	1246	557
35°	1042	1042	1067	1067	1085	651
45°	850	854	875	885	898	657
55°	654	658	675	686	694	586
65°	450	452	464	475	486	447
75°	248	250	258	269	277	262
85°	52	56	62	75	79	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1419.2	1419.2	1419.2	1419.2	1419.2
2.5°	1407.7	1415.4	1417.3	1413.5	1430.8
5°	1407.7	1407.7	1411.5	1407.7	1425.0
7.5°	1398.1	1398.1	1401.9	1398.1	1415.4
10°	1380.8	1382.7	1388.5	1384.6	1401.9
12.5°	1363.5	1363.5	1371.2	1367.3	1384.6
15°	1340.4	1344.2	1351.9	1346.2	1363.5
17.5°	1313.5	1317.3	1326.9	1323.1	1338.5
20°	1280.8	1284.6	1298.1	1294.2	1311.5
22.5°	1246.2	1248.1	1267.3	1261.5	1278.8
25°	1207.7	1211.5	1230.8	1228.8	1246.2
27.5°	1171.2	1173.1	1194.2	1190.4	1207.7
30°	1128.8	1132.7	1153.8	1153.8	1169.2
32.5°	1084.6	1088.5	1111.5	1111.5	1128.8
35°	1042.3	1042.3	1067.3	1067.3	1084.6
37.5°	994.2	996.2	1021.2	1023.1	1040.4
40°	946.2	950.0	973.1	978.8	992.3
42.5°	898.1	903.8	923.1	932.7	946.2
45°	850.0	853.8	875.0	884.6	898.1
47.5°	803.8	805.8	825.0	834.6	848.1
50°	753.8	755.8	775.0	784.6	796.2
52.5°	703.8	707.7	725.0	736.5	746.2
55°	653.8	657.7	675.0	686.5	694.2
57.5°	605.8	607.7	621.2	634.6	644.2
60°	555.8	557.7	571.2	584.6	592.3
62.5°	501.9	505.8	519.2	532.7	542.3
65°	450.0	451.9	463.5	475.0	486.5
67.5°	400.0	401.9	411.5	425.0	434.6
70°	350.0	351.9	359.6	371.2	382.7
72.5°	298.1	300.0	307.7	321.2	328.8
75°	248.1	250.0	257.7	269.2	276.9
77.5°	198.1	201.9	207.7	221.2	225.0
80°	148.1	151.9	157.7	171.2	175.0
82.5°	98.1	101.9	111.5	121.2	125.0
85°	51.9	55.8	61.5	75.0	78.8
87.5°	13.5	13.5	19.2	30.8	34.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)