

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: P302992

Luminaire Tested: **CTW-F-0100-20L930-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302992
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-8
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: 3311.2 lumens
Efficiency: N/A
Efficacy: 96.5 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

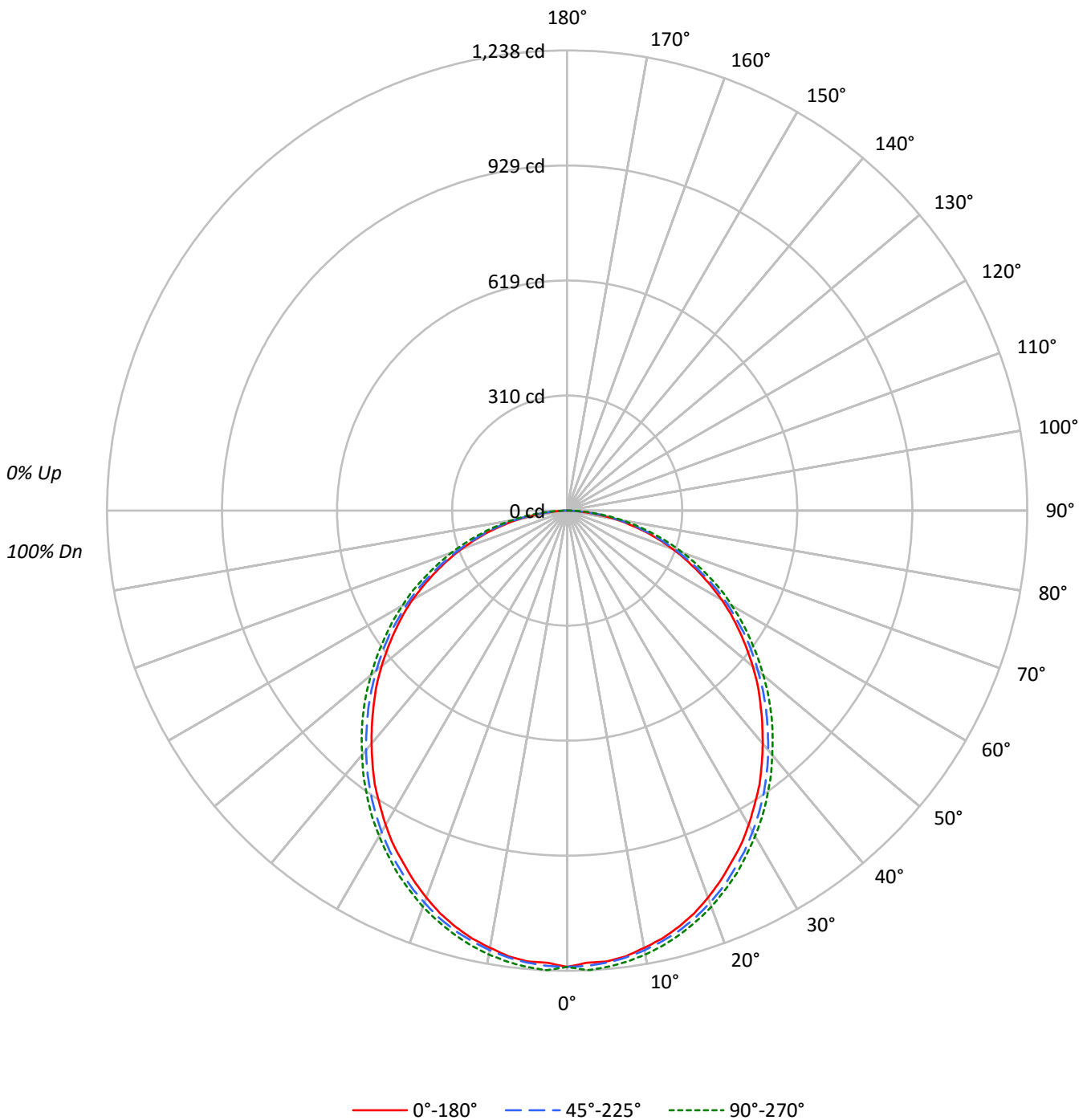
Input Watts (W): 34.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	13214	13214	13214
5°	13157	13193	13318
10°	13055	13127	13255
15°	12920	13031	13143
20°	12691	12861	12995
25°	12408	12644	12802
30°	12137	12405	12571
35°	11847	12131	12328
40°	11500	11827	12060
45°	11193	11522	11825
50°	10920	11226	11533
55°	10614	10958	11269
60°	10348	10635	11029
65°	9915	10211	10720
70°	9530	9791	10417
75°	8925	9270	9960
80°	7941	8455	9385
85°	5545	6570	8423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	3.5
10°-20°	328.7	9.9
20°-30°	487.9	14.7
30°-40°	573.6	17.3
40°-50°	581.9	17.6
50°-60°	520.6	15.7
60°-70°	399.3	12.1
70°-80°	237.8	7.2
80°-90°	65.4	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°	932.4	28.2
0°-40°	1506.1	45.5
0°-60°	2608.6	78.8
0°-90°	3311.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3311.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1228	1228	1228	1228	1228	
5°	1218	1218	1221	1218	1233	115
15°	1159	1163	1169	1164	1179	327
25°	1045	1048	1065	1063	1078	482
35°	902	902	923	923	938	563
45°	735	739	757	765	777	568
55°	566	569	584	594	600	507
65°	389	391	401	411	421	386
75°	215	216	223	233	240	227
85°	45	48	53	65	68	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1227.6	1227.6	1227.6	1227.6	1227.6
2.5°	1217.7	1224.3	1226.0	1222.6	1237.6
5°	1217.7	1217.7	1221.0	1217.7	1232.6
7.5°	1209.3	1209.3	1212.7	1209.3	1224.3
10°	1194.4	1196.0	1201.0	1197.7	1212.7
12.5°	1179.4	1179.4	1186.0	1182.7	1197.7
15°	1159.4	1162.8	1169.4	1164.4	1179.4
17.5°	1136.1	1139.5	1147.8	1144.5	1157.8
20°	1107.9	1111.2	1122.8	1119.5	1134.5
22.5°	1077.9	1079.6	1096.2	1091.2	1106.2
25°	1044.7	1048.0	1064.6	1063.0	1077.9
27.5°	1013.0	1014.7	1033.0	1029.7	1044.7
30°	976.5	979.8	998.1	998.1	1011.4
32.5°	938.2	941.5	961.5	961.5	976.5
35°	901.6	901.6	923.2	923.2	938.2
37.5°	860.0	861.7	883.3	885.0	899.9
40°	818.4	821.8	841.7	846.7	858.3
42.5°	776.8	781.8	798.5	806.8	818.4
45°	735.3	738.6	756.9	765.2	776.8
47.5°	695.3	697.0	713.6	721.9	733.6
50°	652.1	653.7	670.4	678.7	688.7
52.5°	608.8	612.2	627.1	637.1	645.4
55°	565.6	568.9	583.9	593.9	600.5
57.5°	524.0	525.7	537.3	548.9	557.3
60°	480.7	482.4	494.0	505.7	512.3
62.5°	434.2	437.5	449.1	460.8	469.1
65°	389.3	390.9	400.9	410.9	420.9
67.5°	346.0	347.7	356.0	367.6	375.9
70°	302.8	304.4	311.1	321.0	331.0
72.5°	257.8	259.5	266.2	277.8	284.5
75°	214.6	216.3	222.9	232.9	239.5
77.5°	171.3	174.7	179.7	191.3	194.6
80°	128.1	131.4	136.4	148.0	151.4
82.5°	84.8	88.2	96.5	104.8	108.1
85°	44.9	48.2	53.2	64.9	68.2
87.5°	11.6	11.6	16.6	26.6	29.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)