

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: P302324

Luminaire Tested: **ZX-WO-40H930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302324  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-40H930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

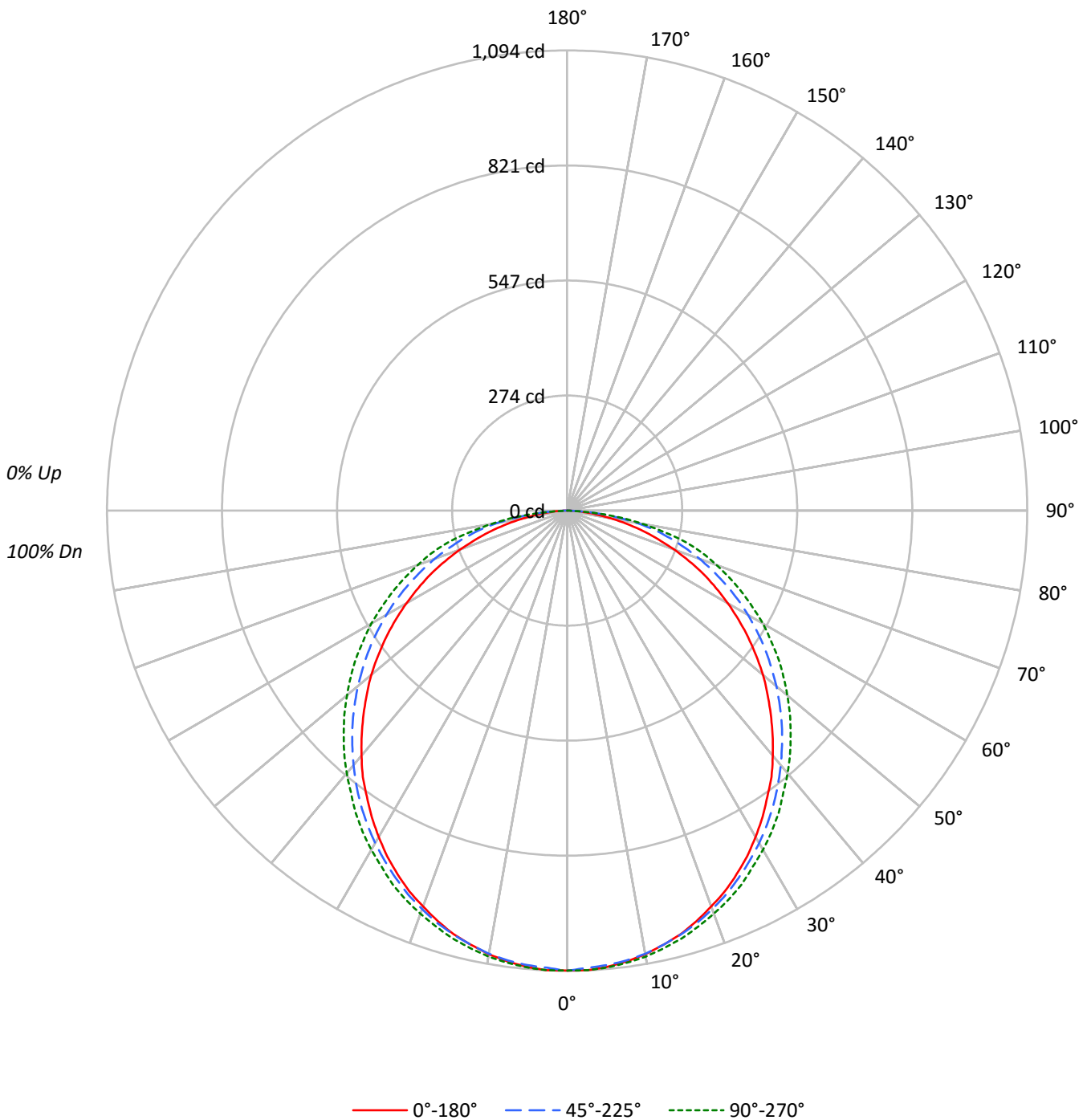
Lumens per Lamp: N/A  
Luminaire Lumens: 3183.6 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.2  
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



TEST NUMBER: P302324  
CATALOG NUMBER: ZX-WO-40H930-UNV-24-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302324

CATALOG NUMBER: ZX-WO-40H930-UNV-24-STD

**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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1472	1472	1472
5°	1471	1465	1473
10°	1463	1462	1471
15°	1452	1454	1467
20°	1434	1444	1460
25°	1416	1431	1457
30°	1392	1418	1447
35°	1363	1404	1440
40°	1336	1388	1432
45°	1302	1374	1430
50°	1273	1359	1430
55°	1232	1347	1437
60°	1187	1337	1447
65°	1140	1325	1459
70°	1065	1315	1485
75°	970	1318	1531
80°	802	1304	1409
85°	614	1036	1000



TEST NUMBER: P302324

CATALOG NUMBER: ZX-WO-40H930-UNV-24-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.4	3.2
10°-20°	295.3	9.3
20°-30°	445.4	14.0
30°-40°	534.8	16.8
40°-50°	556.2	17.5
50°-60°	511.5	16.1
60°-70°	407.7	12.8
70°-80°	258.3	8.1
80°-90°	71.0	2.2
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°	844.1	26.5
0°-40°	1378.9	43.3
0°-60°	2446.5	76.8
0°-90°	3183.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3183.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1094	1094	1094	1094	1094	
5°	1089	1089	1085	1090	1090	103
15°	1043	1043	1044	1052	1053	294
25°	954	958	964	978	981	439
35°	830	839	855	871	877	520
45°	684	699	722	745	752	528
55°	525	542	574	603	613	469
65°	358	376	416	448	458	353
75°	186	210	254	285	294	196
85°	40	57	67	66	65	47
90°	0	0	0	0	0	



TEST NUMBER: P302324

CATALOG NUMBER: ZX-WO-40H930-UNV-24-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1093.7	1093.7	1093.7	1093.7	1093.7
2.5°	1093.7	1093.7	1088.0	1093.7	1093.7
5°	1089.2	1089.2	1084.6	1090.3	1090.3
7.5°	1081.2	1082.4	1078.9	1084.6	1084.6
10°	1071.0	1072.1	1069.8	1076.7	1076.7
12.5°	1057.3	1058.5	1057.3	1065.3	1065.3
15°	1042.6	1042.6	1043.7	1051.7	1052.8
17.5°	1023.2	1025.5	1027.8	1036.9	1036.9
20°	1001.6	1005.0	1008.5	1019.8	1019.8
22.5°	980.0	983.4	988.0	999.4	1001.6
25°	953.9	958.4	964.1	977.8	981.2
27.5°	926.6	930.0	939.1	953.9	955.0
30°	895.9	901.6	912.9	927.7	931.1
32.5°	864.1	872.0	884.5	901.6	905.0
35°	830.0	839.0	855.0	870.9	876.6
37.5°	798.1	804.9	823.1	841.3	844.7
40°	760.6	770.8	790.2	810.6	815.2
42.5°	723.1	734.5	756.1	776.5	784.5
45°	684.4	699.2	721.9	744.7	751.5
47.5°	645.8	661.7	685.6	710.6	718.5
50°	608.3	623.0	649.2	675.3	683.3
52.5°	566.2	583.2	611.7	640.1	648.0
55°	525.3	542.3	574.1	602.6	612.8
57.5°	483.2	502.5	535.5	565.1	574.1
60°	441.1	461.6	496.8	526.4	537.8
62.5°	399.1	418.4	457.0	486.6	496.8
65°	358.1	376.3	416.1	447.9	458.2
67.5°	313.8	334.3	375.2	408.2	417.3
70°	270.6	291.1	334.3	368.4	377.5
72.5°	226.2	250.1	293.3	326.3	338.8
75°	186.5	210.3	253.5	285.4	294.5
77.5°	144.4	168.3	212.6	235.3	236.5
80°	103.5	130.7	168.3	177.4	181.9
82.5°	68.2	94.4	116.0	127.3	127.3
85°	39.8	56.8	67.1	65.9	64.8
87.5°	14.8	19.3	15.9	11.4	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)