

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: P302200

Luminaire Tested: **ZX-WO-34L830-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302200  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-34L830-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (196)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

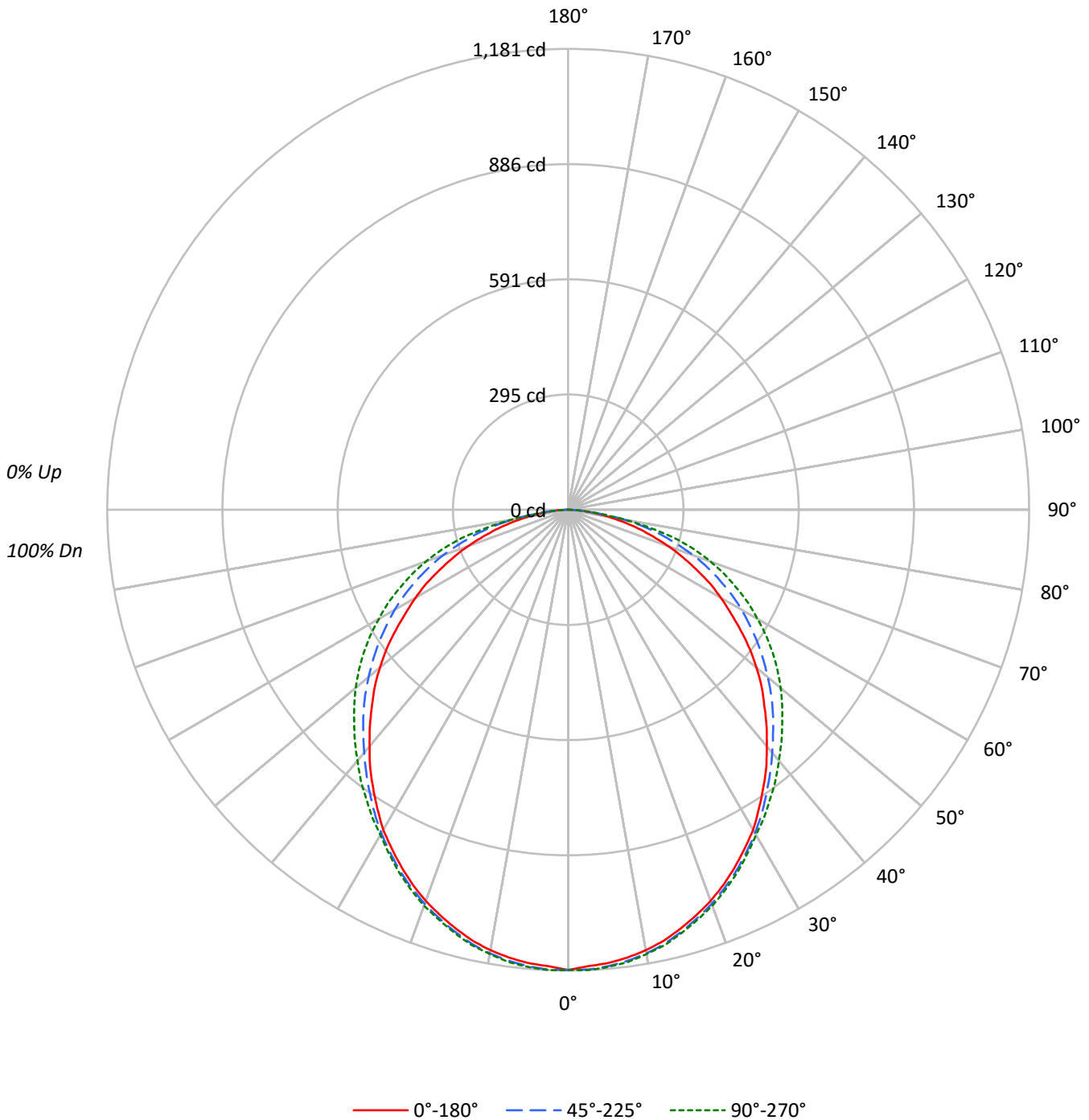
Lumens per Lamp: N/A  
Luminaire Lumens: 3278.1 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P302200  
CATALOG NUMBER: ZX-WO-34L830-UNV-22-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302200

CATALOG NUMBER: ZX-WO-34L830-UNV-22-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	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

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

	0°	45°	90°
0°	3174	3174	3174
5°	3150	3172	3177
10°	3132	3155	3159
15°	3097	3120	3129
20°	3055	3078	3093
25°	3000	3030	3045
30°	2944	2975	2990
35°	2862	2911	2966
40°	2781	2857	2950
45°	2704	2824	2950
50°	2635	2795	2975
55°	2533	2775	3000
60°	2434	2764	3013
65°	2299	2732	3038
70°	2150	2685	3050
75°	1929	2549	2946
80°	1618	2233	2259
85°	1278	1278	1022



TEST NUMBER: P302200

CATALOG NUMBER: ZX-WO-34L830-UNV-22-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	3.4
10°-20°	315.4	9.6
20°-30°	469.4	14.3
30°-40°	555.2	16.9
40°-50°	573.7	17.5
50°-60°	527.5	16.1
60°-70°	419.5	12.8
70°-80°	251.2	7.7
80°-90°	54.8	1.7
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°	896.1	27.3
0°-40°	1451.4	44.3
0°-60°	2552.6	77.9
0°-90°	3278.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3278.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1179	1179	1179	1179	1179	
5°	1166	1170	1174	1176	1176	111
15°	1112	1115	1120	1123	1123	313
25°	1010	1014	1020	1025	1025	465
35°	871	876	886	898	903	545
45°	711	717	742	769	775	549
55°	540	552	591	628	639	483
65°	361	383	429	467	477	359
75°	186	210	245	273	283	196
85°	41	45	41	38	33	48
90°	0	0	0	0	0	



TEST NUMBER: P302200

CATALOG NUMBER: ZX-WO-34L830-UNV-22-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1179.4	1179.4	1179.4	1179.4	1179.4
2.5°	1171.1	1174.4	1179.4	1181.1	1181.1
5°	1166.2	1169.5	1174.4	1176.1	1176.1
7.5°	1157.9	1161.2	1166.2	1167.8	1169.5
10°	1146.3	1149.6	1154.6	1156.2	1156.2
12.5°	1131.4	1133.0	1139.7	1141.3	1143.0
15°	1111.5	1114.8	1119.8	1123.1	1123.1
17.5°	1090.0	1093.3	1098.2	1101.6	1101.6
20°	1066.8	1070.1	1075.0	1078.4	1080.0
22.5°	1040.3	1043.6	1048.5	1053.5	1053.5
25°	1010.4	1013.8	1020.4	1025.4	1025.4
27.5°	979.0	982.3	988.9	993.9	993.9
30°	947.5	949.2	957.4	960.8	962.4
32.5°	909.4	914.4	922.7	929.3	934.2
35°	871.3	876.3	886.2	897.8	902.8
37.5°	833.2	838.2	849.8	866.3	873.0
40°	791.8	798.4	813.3	834.9	839.8
42.5°	752.0	760.3	776.9	801.7	808.4
45°	710.6	717.3	742.1	768.6	775.2
47.5°	672.5	677.5	705.7	735.5	743.8
50°	629.5	636.1	667.6	700.7	710.6
52.5°	586.4	594.7	629.5	664.2	675.8
55°	540.0	551.6	591.4	627.8	639.4
57.5°	493.6	510.2	551.6	588.0	601.3
60°	452.2	467.1	513.5	548.3	559.9
62.5°	409.1	425.7	472.1	506.9	521.8
65°	361.1	382.6	429.0	467.1	477.1
67.5°	318.0	339.6	386.0	420.7	434.0
70°	273.3	298.2	341.2	372.7	387.6
72.5°	226.9	253.4	291.5	324.7	339.6
75°	185.5	210.4	245.2	273.3	283.3
77.5°	144.1	167.3	195.5	212.0	215.3
80°	104.4	122.6	144.1	147.4	145.8
82.5°	69.6	82.8	89.4	86.1	86.1
85°	41.4	44.7	41.4	38.1	33.1
87.5°	14.9	13.3	9.9	6.6	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)