

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: P302221

Luminaire Tested: **ZX-WO-20L935-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302221  
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-20L935-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (112)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

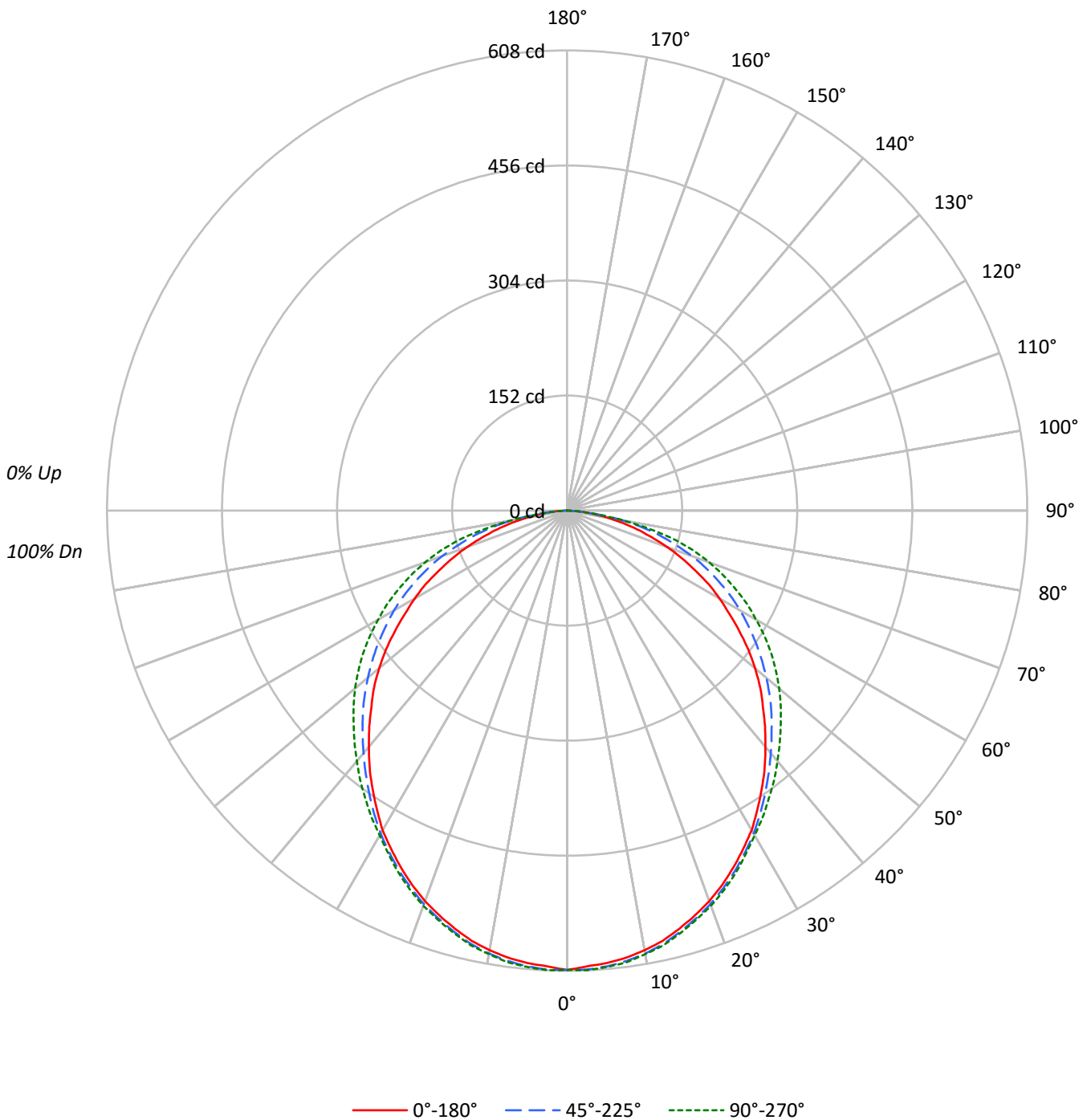
Lumens per Lamp: N/A  
Luminaire Lumens: 1687.1 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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



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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	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°	1633	1633	1633
5°	1621	1633	1635
10°	1612	1624	1626
15°	1594	1606	1610
20°	1572	1584	1592
25°	1544	1559	1567
30°	1515	1531	1539
35°	1473	1498	1526
40°	1431	1470	1518
45°	1392	1453	1518
50°	1356	1438	1531
55°	1304	1428	1544
60°	1252	1422	1551
65°	1183	1406	1563
70°	1107	1382	1570
75°	993	1312	1516
80°	832	1150	1162
85°	658	658	528



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.3	3.4
10°-20°	162.3	9.6
20°-30°	241.6	14.3
30°-40°	285.8	16.9
40°-50°	295.3	17.5
50°-60°	271.5	16.1
60°-70°	215.9	12.8
70°-80°	129.3	7.7
80°-90°	28.2	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°	461.2	27.3
0°-40°	747.0	44.3
0°-60°	1313.7	77.9
0°-90°	1687.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1687.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	600	602	604	605	605	57
15°	572	574	576	578	578	161
25°	520	522	525	528	528	240
35°	448	451	456	462	465	281
45°	366	369	382	396	399	283
55°	278	284	304	323	329	249
65°	186	197	221	240	246	185
75°	96	108	126	141	146	101
85°	21	23	21	20	17	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	607.0	607.0	607.0	607.0	607.0
2.5°	602.7	604.4	607.0	607.8	607.8
5°	600.2	601.9	604.4	605.3	605.3
7.5°	595.9	597.6	600.2	601.0	601.9
10°	589.9	591.6	594.2	595.1	595.1
12.5°	582.3	583.1	586.5	587.4	588.2
15°	572.0	573.7	576.3	578.0	578.0
17.5°	561.0	562.7	565.2	566.9	566.9
20°	549.0	550.7	553.3	555.0	555.8
22.5°	535.4	537.1	539.6	542.2	542.2
25°	520.0	521.7	525.1	527.7	527.7
27.5°	503.8	505.5	509.0	511.5	511.5
30°	487.6	488.5	492.8	494.5	495.3
32.5°	468.0	470.6	474.8	478.3	480.8
35°	448.4	451.0	456.1	462.1	464.6
37.5°	428.8	431.4	437.3	445.9	449.3
40°	407.5	410.9	418.6	429.7	432.2
42.5°	387.0	391.3	399.8	412.6	416.0
45°	365.7	369.1	381.9	395.6	399.0
47.5°	346.1	348.7	363.2	378.5	382.8
50°	324.0	327.4	343.6	360.6	365.7
52.5°	301.8	306.1	324.0	341.9	347.8
55°	277.9	283.9	304.3	323.1	329.1
57.5°	254.0	262.6	283.9	302.6	309.5
60°	232.7	240.4	264.3	282.2	288.1
62.5°	210.6	219.1	243.0	260.9	268.5
65°	185.8	196.9	220.8	240.4	245.5
67.5°	163.7	174.8	198.6	216.5	223.4
70°	140.7	153.5	175.6	191.8	199.5
72.5°	116.8	130.4	150.0	167.1	174.8
75°	95.5	108.3	126.2	140.7	145.8
77.5°	74.2	86.1	100.6	109.1	110.8
80°	53.7	63.1	74.2	75.9	75.0
82.5°	35.8	42.6	46.0	44.3	44.3
85°	21.3	23.0	21.3	19.6	17.1
87.5°	7.7	6.8	5.1	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)