

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: P302080

Luminaire Tested: **ZX-WO-20L935-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-20L935-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (84)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

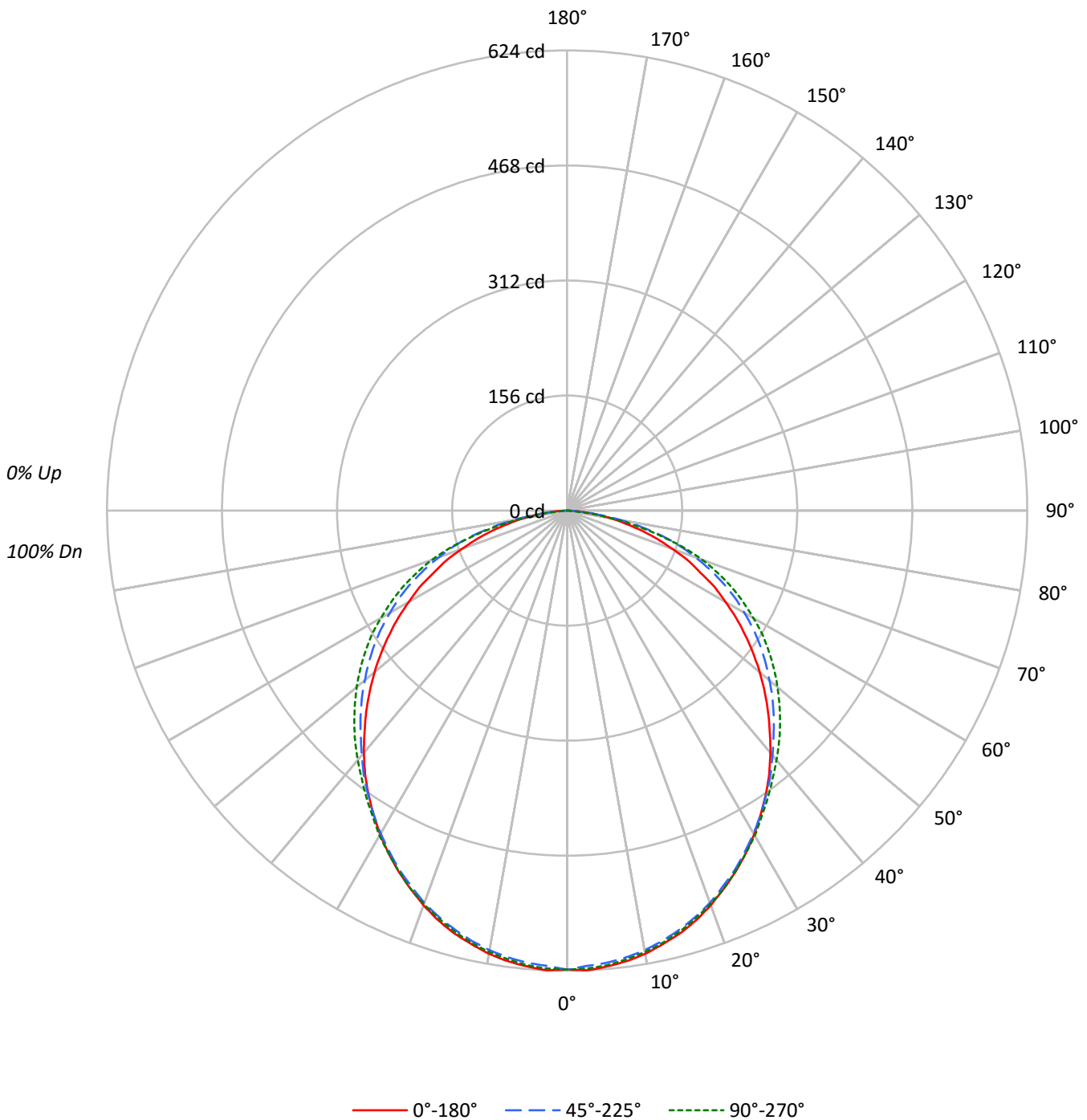
Lumens per Lamp: N/A  
Luminaire Lumens: 1742.8 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	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	46	38	32	59	46	38	32	44	37	32	43	36	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°	1675	1675	1675
5°	1676	1663	1672
10°	1668	1654	1661
15°	1653	1639	1646
20°	1631	1621	1626
25°	1605	1597	1602
30°	1576	1571	1581
35°	1543	1546	1560
40°	1506	1521	1551
45°	1466	1509	1554
50°	1428	1499	1559
55°	1384	1500	1568
60°	1335	1496	1569
65°	1270	1487	1569
70°	1194	1456	1536
75°	1081	1391	1347
80°	925	1124	990
85°	658	528	157



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.7	3.4
10°-20°	166.6	9.6
20°-30°	248.5	14.3
30°-40°	295.3	16.9
40°-50°	306.5	17.6
50°-60°	283.5	16.3
60°-70°	225.8	13.0
70°-80°	132.2	7.6
80°-90°	25.7	1.5
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°	473.9	27.2
0°-40°	769.2	44.1
0°-60°	1359.2	78.0
0°-90°	1742.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1742.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	621	619	616	619	619	59
15°	593	592	588	592	591	167
25°	540	540	538	540	540	249
35°	470	470	471	474	475	294
45°	385	390	396	406	408	297
55°	295	304	320	331	334	264
65°	200	214	234	243	246	199
75°	104	121	134	132	130	110
85°	21	26	17	8	5	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	622.3	622.3	622.3	622.3	622.3
2.5°	624.0	622.3	618.1	622.3	621.5
5°	620.6	618.9	615.5	618.9	618.9
7.5°	616.4	614.7	611.2	614.7	613.8
10°	610.4	608.7	605.3	608.7	607.8
12.5°	601.9	601.0	597.6	601.0	600.2
15°	593.3	592.5	588.2	592.5	590.8
17.5°	582.3	581.4	578.0	580.6	579.7
20°	569.5	567.8	566.1	568.6	567.8
22.5°	555.0	554.1	551.6	555.8	555.0
25°	540.5	539.6	537.9	540.5	539.6
27.5°	524.3	523.4	521.7	525.1	524.3
30°	507.2	507.2	505.5	509.8	508.9
32.5°	488.5	488.5	488.5	491.0	491.0
35°	469.7	469.7	470.6	474.0	474.8
37.5°	450.1	450.1	452.7	457.8	457.8
40°	428.8	430.5	433.1	440.7	441.6
42.5°	406.6	410.1	414.3	423.7	425.4
45°	385.3	389.6	396.4	405.8	408.4
47.5°	363.2	368.3	377.7	387.9	390.4
50°	341.0	347.8	358.1	370.0	372.5
52.5°	318.0	325.7	339.3	351.2	353.8
55°	295.0	303.5	319.7	330.8	334.2
57.5°	272.0	281.3	299.2	310.3	314.6
60°	248.1	258.3	277.9	288.1	291.6
62.5°	225.9	237.0	256.6	266.0	269.4
65°	199.5	214.0	233.6	243.0	246.4
67.5°	178.2	191.8	209.7	219.9	220.8
70°	151.7	168.8	185.0	193.5	195.2
72.5°	127.9	144.9	161.1	164.5	164.5
75°	104.0	121.1	133.8	132.1	129.6
77.5°	80.1	97.2	104.0	98.0	95.5
80°	59.7	74.2	72.5	66.5	63.9
82.5°	39.2	50.3	42.6	35.8	32.4
85°	21.3	25.6	17.1	8.5	5.1
87.5°	7.7	5.1	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)