

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: P302074

Luminaire Tested: **ZX-WO-20L930-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302074  
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-20L930-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (84)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1680.1 lumens  
Efficiency: N/A  
Efficacy: 105.0 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

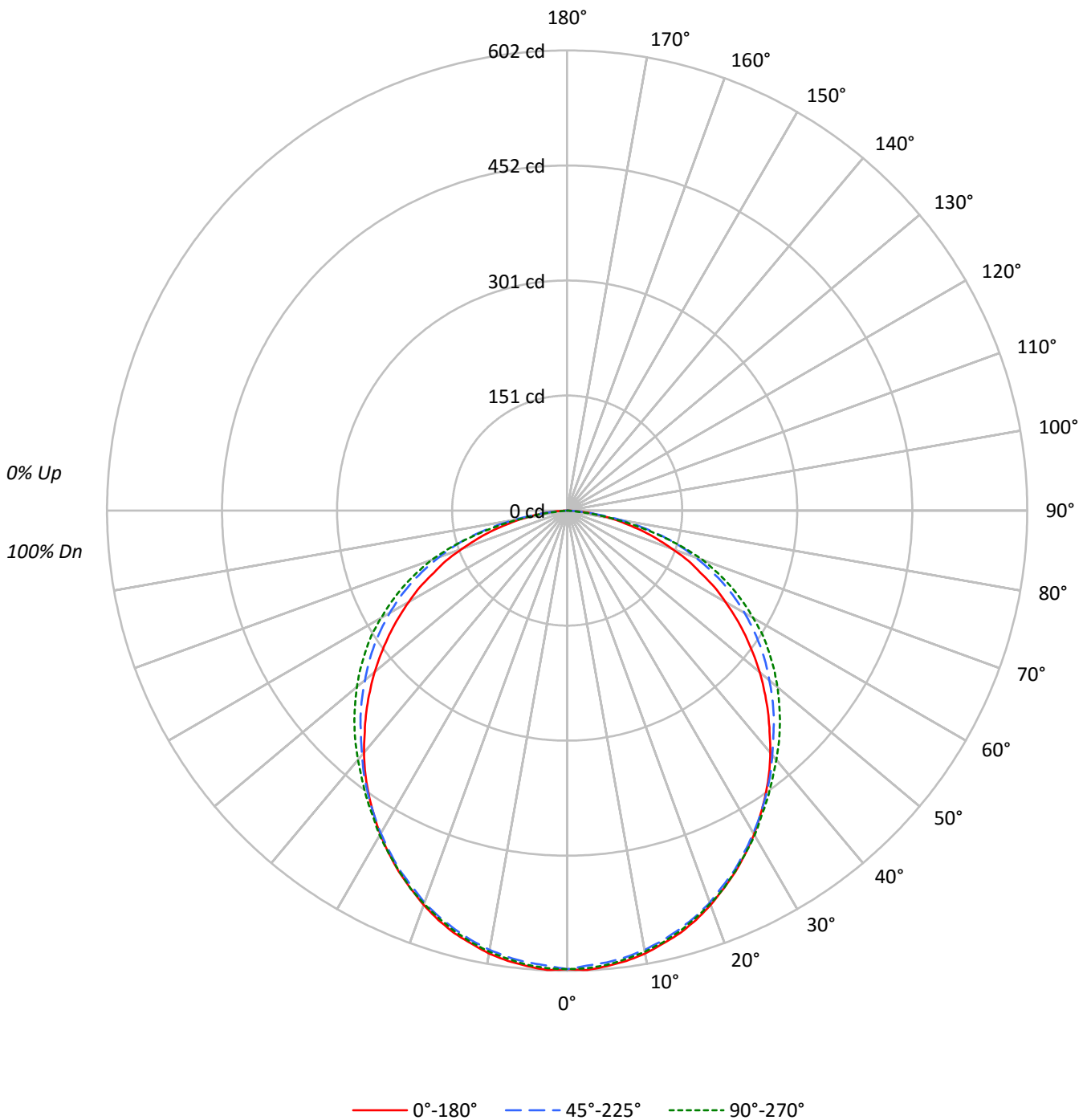
Input Watts (W): 16  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50					50			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

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

	0°	45°	90°
0°	1615	1615	1615
5°	1616	1603	1612
10°	1608	1594	1601
15°	1594	1580	1587
20°	1572	1563	1568
25°	1547	1540	1545
30°	1519	1514	1524
35°	1487	1490	1504
40°	1452	1467	1495
45°	1414	1455	1498
50°	1376	1445	1503
55°	1334	1446	1512
60°	1287	1442	1513
65°	1224	1434	1512
70°	1151	1403	1481
75°	1043	1341	1299
80°	891	1083	955
85°	633	506	151



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.6	3.4
10°-20°	160.6	9.6
20°-30°	239.6	14.3
30°-40°	284.7	16.9
40°-50°	295.5	17.6
50°-60°	273.3	16.3
60°-70°	217.7	13.0
70°-80°	127.4	7.6
80°-90°	24.7	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°	456.8	27.2
0°-40°	741.5	44.1
0°-60°	1310.3	78.0
0°-90°	1680.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1680.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	600	600	600	600	600	
5°	598	597	593	597	597	57
15°	572	571	567	571	570	161
25°	521	520	519	521	520	240
35°	453	453	454	457	458	283
45°	372	376	382	391	394	287
55°	284	293	308	319	322	254
65°	192	206	225	234	238	192
75°	100	117	129	127	125	106
85°	20	25	16	8	5	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	600.0	600.0	600.0	600.0	600.0
2.5°	601.6	600.0	595.8	600.0	599.1
5°	598.3	596.7	593.4	596.7	596.7
7.5°	594.2	592.6	589.3	592.6	591.7
10°	588.4	586.8	583.5	586.8	586.0
12.5°	580.2	579.4	576.1	579.4	578.6
15°	572.0	571.2	567.1	571.2	569.5
17.5°	561.3	560.5	557.2	559.7	558.9
20°	549.0	547.4	545.7	548.2	547.4
22.5°	535.0	534.2	531.7	535.8	535.0
25°	521.1	520.2	518.6	521.1	520.2
27.5°	505.4	504.6	503.0	506.3	505.4
30°	489.0	489.0	487.4	491.5	490.6
32.5°	470.9	470.9	470.9	473.4	473.4
35°	452.8	452.8	453.7	456.9	457.8
37.5°	433.9	433.9	436.4	441.3	441.3
40°	413.4	415.0	417.5	424.9	425.7
42.5°	392.0	395.3	399.4	408.5	410.1
45°	371.5	375.6	382.2	391.2	393.7
47.5°	350.1	355.0	364.1	373.9	376.4
50°	328.7	335.3	345.2	356.7	359.1
52.5°	306.6	313.9	327.1	338.6	341.1
55°	284.4	292.6	308.2	318.9	322.2
57.5°	262.2	271.2	288.5	299.2	303.3
60°	239.2	249.0	267.9	277.8	281.1
62.5°	217.8	228.5	247.4	256.4	259.7
65°	192.3	206.3	225.2	234.2	237.5
67.5°	171.8	184.9	202.2	212.0	212.9
70°	146.3	162.7	178.3	186.6	188.2
72.5°	123.3	139.7	155.3	158.6	158.6
75°	100.3	116.7	129.0	127.4	124.9
77.5°	77.3	93.7	100.3	94.5	92.0
80°	57.5	71.5	69.9	64.1	61.6
82.5°	37.8	48.5	41.1	34.5	31.2
85°	20.5	24.7	16.4	8.2	4.9
87.5°	7.4	4.9	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)