

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: P302084

Luminaire Tested: **ZX-WO-48L935-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302084  
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-48L935-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (196)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4186.7 lumens  
Efficiency: N/A  
Efficacy: 113.5 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

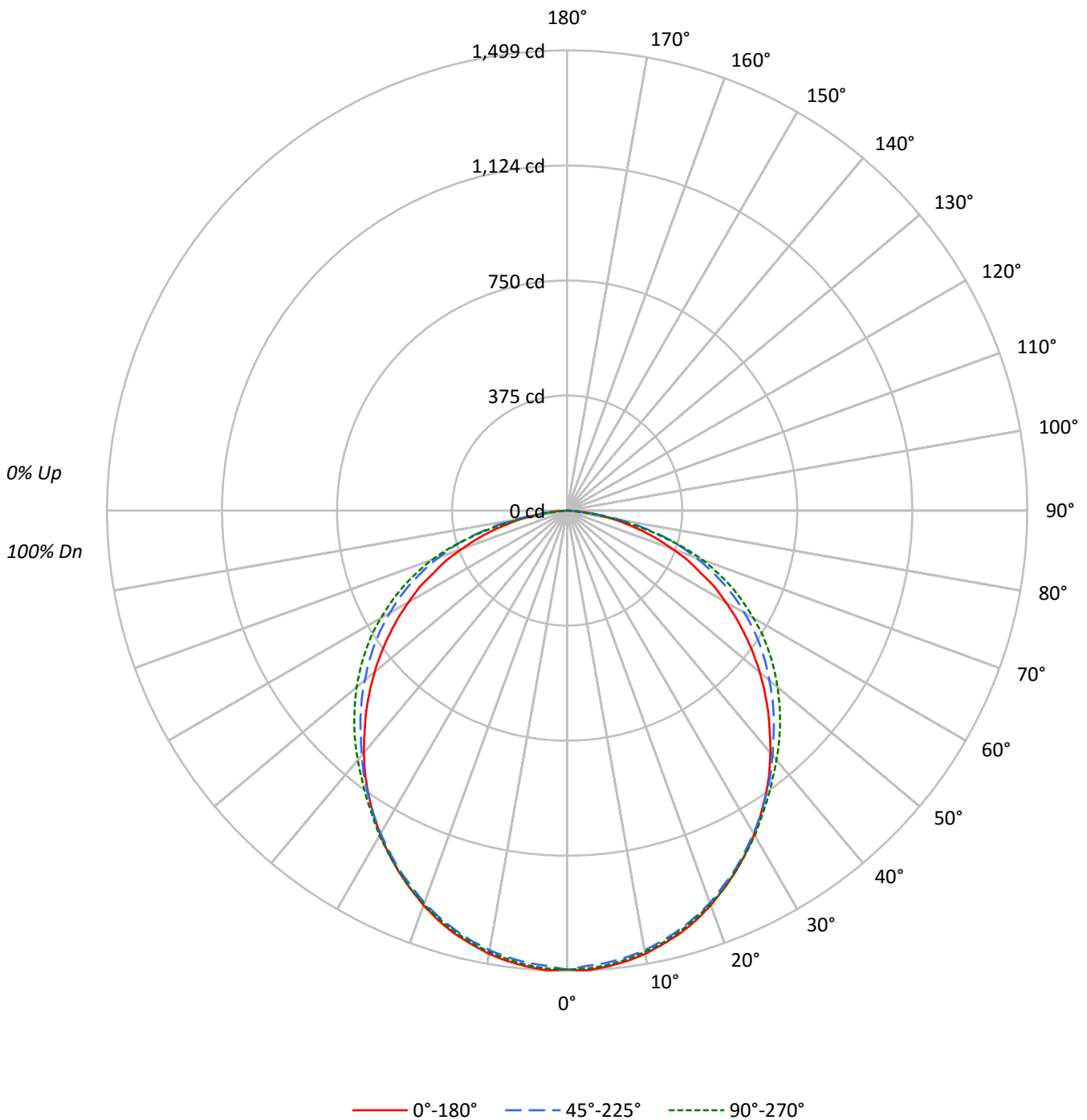
Input Watts (W): 36.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4023	4023	4023
5°	4027	3994	4016
10°	4007	3973	3990
15°	3971	3937	3954
20°	3918	3894	3906
25°	3855	3837	3849
30°	3786	3773	3799
35°	3707	3714	3747
40°	3619	3655	3726
45°	3523	3624	3733
50°	3430	3601	3747
55°	3324	3603	3766
60°	3208	3593	3770
65°	3051	3573	3769
70°	2868	3496	3690
75°	2598	3343	3237
80°	2222	2698	2380
85°	1581	1266	380



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.0	3.4
10°-20°	400.3	9.6
20°-30°	597.1	14.3
30°-40°	709.4	16.9
40°-50°	736.4	17.6
50°-60°	681.0	16.3
60°-70°	542.4	13.0
70°-80°	317.5	7.6
80°-90°	61.6	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°	1138.4	27.2
0°-40°	1847.8	44.1
0°-60°	3265.1	78.0
0°-90°	4186.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4186.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1495	1495	1495	1495	1495	
5°	1491	1487	1479	1487	1487	142
15°	1425	1423	1413	1423	1419	402
25°	1298	1296	1292	1298	1296	598
35°	1128	1128	1130	1139	1141	706
45°	926	936	952	975	981	714
55°	709	729	768	795	803	634
65°	479	514	561	584	592	478
75°	250	291	322	317	311	265
85°	51	61	41	20	12	64
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1495.0	1495.0	1495.0	1495.0	1495.0
2.5°	1499.1	1495.0	1484.8	1495.0	1493.0
5°	1490.9	1486.8	1478.6	1486.8	1486.8
7.5°	1480.7	1476.6	1468.4	1476.6	1474.5
10°	1466.3	1462.2	1454.1	1462.2	1460.2
12.5°	1445.9	1443.8	1435.6	1443.8	1441.8
15°	1425.4	1423.3	1413.1	1423.3	1419.2
17.5°	1398.8	1396.7	1388.5	1394.7	1392.6
20°	1368.0	1363.9	1359.9	1366.0	1363.9
22.5°	1333.2	1331.2	1325.0	1335.3	1333.2
25°	1298.4	1296.4	1292.3	1298.4	1296.4
27.5°	1259.5	1257.5	1253.4	1261.5	1259.5
30°	1218.5	1218.5	1214.4	1224.7	1222.6
32.5°	1173.5	1173.5	1173.5	1179.6	1179.6
35°	1128.4	1128.4	1130.5	1138.7	1140.7
37.5°	1081.3	1081.3	1087.5	1099.8	1099.8
40°	1030.1	1034.2	1040.4	1058.8	1060.8
42.5°	976.9	985.1	995.3	1017.8	1021.9
45°	925.7	935.9	952.3	974.8	981.0
47.5°	872.4	884.7	907.3	931.8	938.0
50°	819.2	835.6	860.1	888.8	895.0
52.5°	763.9	782.3	815.1	843.8	849.9
55°	708.6	729.1	768.0	794.6	802.8
57.5°	653.3	675.8	718.8	745.5	755.7
60°	596.0	620.5	667.6	692.2	700.4
62.5°	542.7	569.3	616.4	639.0	647.2
65°	479.2	514.0	561.1	583.7	591.9
67.5°	428.0	460.8	503.8	528.4	530.4
70°	364.5	405.5	444.4	464.9	469.0
72.5°	307.2	348.2	387.1	395.3	395.3
75°	249.9	290.8	321.5	317.4	311.3
77.5°	192.5	233.5	249.9	235.5	229.4
80°	143.4	178.2	174.1	159.7	153.6
82.5°	94.2	120.8	102.4	86.0	77.8
85°	51.2	61.4	41.0	20.5	12.3
87.5°	18.4	12.3	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)