

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: P302048

Luminaire Tested: **RX-WO-44L935-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-44L935-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (112)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

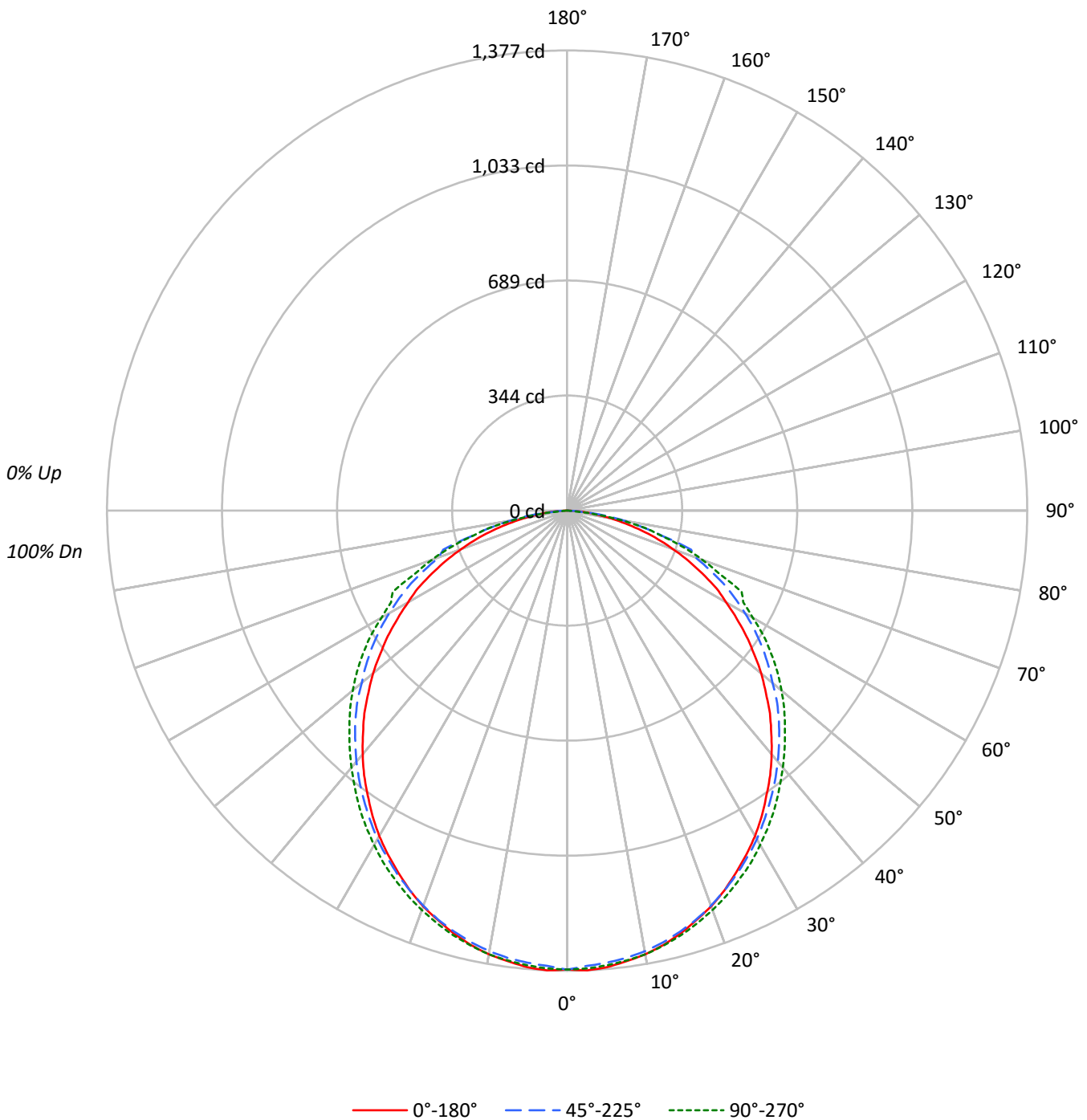
Lumens per Lamp: N/A  
Luminaire Lumens: 3905.2 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.3  
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



TEST NUMBER: P302048  
CATALOG NUMBER: RX-WO-44L935-UNV-14-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302048

CATALOG NUMBER: RX-WO-44L935-UNV-14-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	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	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43					43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33					33			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	28	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°	3696	3696	3696
5°	3705	3669	3689
10°	3685	3659	3685
15°	3650	3634	3666
20°	3609	3604	3642
25°	3549	3566	3617
30°	3494	3530	3589
35°	3417	3480	3562
40°	3344	3445	3526
45°	3266	3412	3506
50°	3176	3360	3504
55°	3073	3343	3496
60°	2959	3309	3454
65°	2842	3281	3671
70°	2652	3210	3391
75°	2390	3107	3047
80°	2019	2672	2523
85°	1479	1300	472



TEST NUMBER: P302048

CATALOG NUMBER: RX-WO-44L935-UNV-14-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.7	3.3
10°-20°	369.7	9.5
20°-30°	555.7	14.2
30°-40°	664.7	17.0
40°-50°	689.2	17.6
50°-60°	632.0	16.2
60°-70°	502.8	12.9
70°-80°	298.7	7.6
80°-90°	62.6	1.6
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°	1055.1	27.0
0°-40°	1719.8	44.0
0°-60°	3041.1	77.9
0°-90°	3905.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3905.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1372	1368	1358	1368	1366	130
15°	1310	1308	1304	1316	1316	369
25°	1195	1197	1201	1218	1218	551
35°	1040	1046	1059	1080	1084	651
45°	858	872	896	916	921	661
55°	655	678	713	741	745	585
65°	446	473	515	536	577	442
75°	230	262	299	297	293	244
85°	48	59	42	23	15	58
90°	0	0	0	0	0	



TEST NUMBER: P302048

CATALOG NUMBER: RX-WO-44L935-UNV-14-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1373.5	1373.5	1373.5	1373.5	1373.5
2.5°	1377.3	1373.5	1363.9	1373.5	1371.6
5°	1371.6	1367.7	1358.1	1367.7	1365.8
7.5°	1360.1	1358.1	1350.5	1360.1	1358.1
10°	1348.6	1344.7	1339.0	1348.6	1348.6
12.5°	1331.3	1327.5	1323.7	1335.2	1333.2
15°	1310.3	1308.3	1304.5	1316.0	1316.0
17.5°	1285.4	1285.4	1283.4	1294.9	1294.9
20°	1260.4	1258.5	1258.5	1271.9	1271.9
22.5°	1229.8	1229.8	1229.8	1247.0	1247.0
25°	1195.3	1197.2	1201.1	1218.3	1218.3
27.5°	1160.8	1164.7	1168.5	1185.7	1189.6
30°	1124.4	1126.4	1135.9	1153.2	1155.1
32.5°	1084.2	1088.0	1097.6	1116.8	1120.6
35°	1040.2	1045.9	1059.3	1080.4	1084.2
37.5°	998.0	1005.7	1021.0	1042.1	1044.0
40°	952.0	961.6	980.8	999.9	1003.8
42.5°	904.2	915.6	938.6	959.7	963.5
45°	858.2	871.6	896.5	915.6	921.4
47.5°	806.5	821.8	852.4	875.4	881.2
50°	758.6	773.9	802.6	831.4	837.1
52.5°	704.9	726.0	758.6	787.3	793.0
55°	655.1	678.1	712.6	741.3	745.2
57.5°	601.5	626.4	664.7	691.5	697.3
60°	549.8	576.6	614.9	639.8	641.7
62.5°	503.8	526.8	565.1	588.1	593.8
65°	446.3	473.1	515.3	536.4	576.6
67.5°	392.7	419.5	459.7	530.6	492.3
70°	337.1	367.8	408.0	427.2	431.0
72.5°	285.4	316.1	388.9	367.8	365.9
75°	229.9	262.4	298.8	296.9	293.1
77.5°	178.1	212.6	233.7	235.6	235.6
80°	130.3	172.4	172.4	172.4	162.8
82.5°	84.3	111.1	111.1	95.8	86.2
85°	47.9	59.4	42.1	23.0	15.3
87.5°	17.2	13.4	3.8	3.8	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)