

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: P302054

Luminaire Tested: **RX-WO-44L940-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302054  
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-44L940-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (112)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

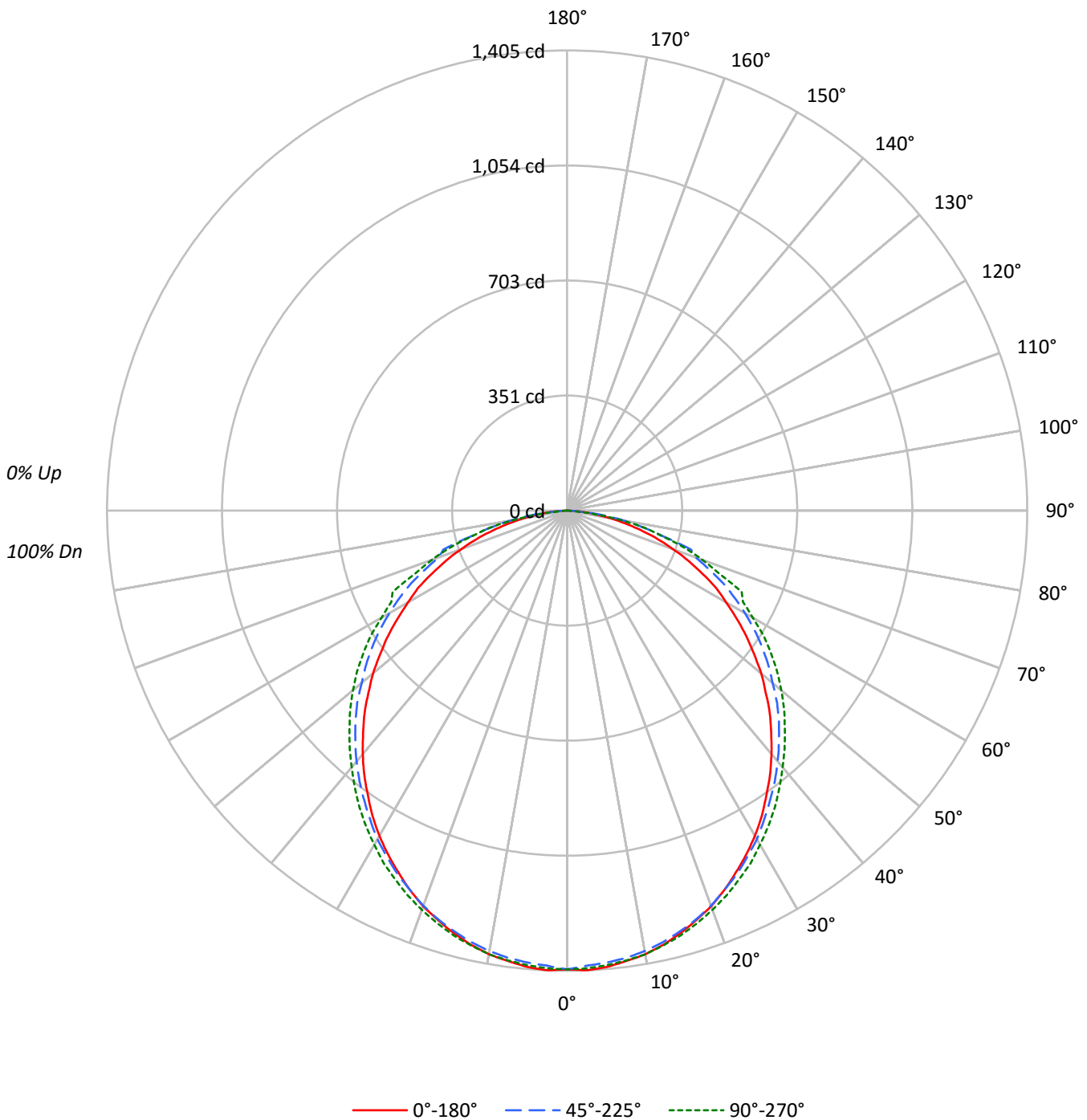
Lumens per Lamp: N/A  
Luminaire Lumens: 3982.8 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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



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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		61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		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°	3770	3770	3770
5°	3779	3742	3763
10°	3758	3731	3758
15°	3723	3706	3739
20°	3681	3676	3715
25°	3620	3637	3689
30°	3563	3600	3661
35°	3485	3549	3633
40°	3411	3514	3596
45°	3331	3479	3576
50°	3239	3427	3574
55°	3135	3410	3566
60°	3018	3375	3522
65°	2898	3346	3745
70°	2705	3274	3459
75°	2437	3169	3108
80°	2058	2724	2574
85°	1507	1328	482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.3	3.3
10°-20°	377.0	9.5
20°-30°	566.7	14.2
30°-40°	678.0	17.0
40°-50°	702.9	17.6
50°-60°	644.6	16.2
60°-70°	512.8	12.9
70°-80°	304.7	7.6
80°-90°	63.9	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°	1076.1	27.0
0°-40°	1754.0	44.0
0°-60°	3101.5	77.9
0°-90°	3982.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3982.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1401	1401	1401	1401	1401	
5°	1399	1395	1385	1395	1393	133
15°	1336	1334	1330	1342	1342	377
25°	1219	1221	1225	1242	1242	562
35°	1061	1067	1080	1102	1106	664
45°	875	889	914	934	940	674
55°	668	692	727	756	760	597
65°	455	483	526	547	588	451
75°	234	268	305	303	299	249
85°	49	61	43	23	16	60
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1404.7	1400.8	1391.0	1400.8	1398.8
5°	1398.8	1394.9	1385.1	1394.9	1393.0
7.5°	1387.1	1385.1	1377.3	1387.1	1385.1
10°	1375.4	1371.5	1365.6	1375.4	1375.4
12.5°	1357.8	1353.9	1350.0	1361.7	1359.7
15°	1336.3	1334.3	1330.4	1342.2	1342.2
17.5°	1310.9	1310.9	1309.0	1320.7	1320.7
20°	1285.5	1283.6	1283.6	1297.2	1297.2
22.5°	1254.2	1254.2	1254.2	1271.8	1271.8
25°	1219.1	1221.0	1224.9	1242.5	1242.5
27.5°	1183.9	1187.8	1191.7	1209.3	1213.2
30°	1146.8	1148.8	1158.5	1176.1	1178.1
32.5°	1105.8	1109.7	1119.4	1139.0	1142.9
35°	1060.8	1066.7	1080.4	1101.9	1105.8
37.5°	1017.9	1025.7	1041.3	1062.8	1064.7
40°	971.0	980.7	1000.3	1019.8	1023.7
42.5°	922.1	933.8	957.3	978.8	982.7
45°	875.2	888.9	914.3	933.8	939.7
47.5°	822.5	838.1	869.4	892.8	898.7
50°	773.6	789.3	818.6	847.9	853.7
52.5°	718.9	740.4	773.6	803.0	808.8
55°	668.2	691.6	726.8	756.1	760.0
57.5°	613.4	638.8	677.9	705.3	711.1
60°	560.7	588.1	627.1	652.5	654.5
62.5°	513.8	537.3	576.3	599.8	605.6
65°	455.2	482.6	525.5	547.0	588.1
67.5°	400.5	427.9	468.9	541.2	502.1
70°	343.8	375.1	416.1	435.7	439.6
72.5°	291.1	322.4	396.6	375.1	373.1
75°	234.4	267.7	304.8	302.8	298.9
77.5°	181.7	216.9	238.3	240.3	240.3
80°	132.8	175.8	175.8	175.8	166.1
82.5°	86.0	113.3	113.3	97.7	87.9
85°	48.8	60.6	43.0	23.4	15.6
87.5°	17.6	13.7	3.9	3.9	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)