

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: P302053

Luminaire Tested: **RX-WO-39L940-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302053  
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-39L940-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (196)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

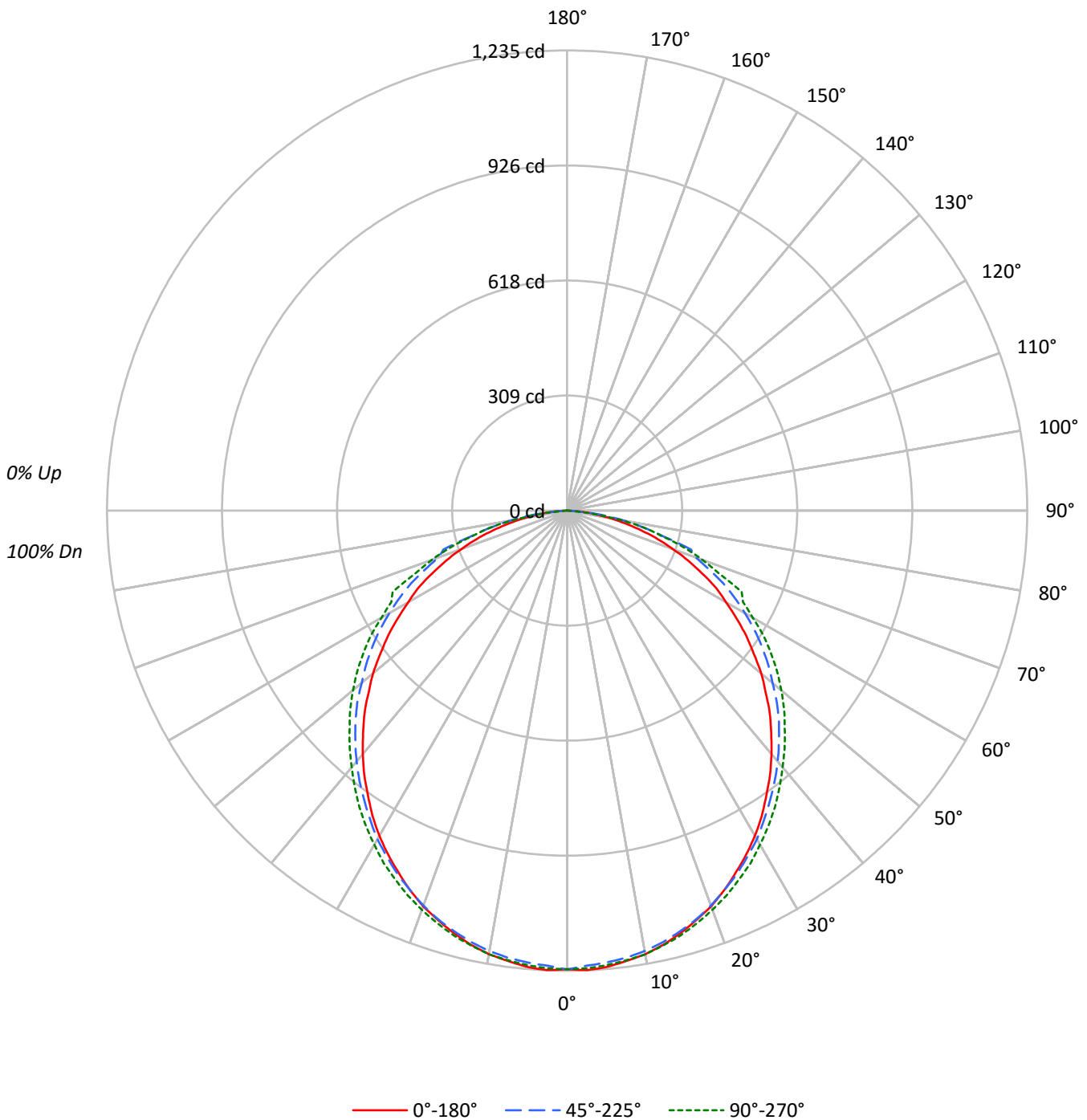
Lumens per Lamp: N/A  
Luminaire Lumens: 3500.6 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.3  
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°	3313	3313	3313
5°	3321	3289	3307
10°	3303	3280	3303
15°	3272	3258	3287
20°	3236	3231	3265
25°	3181	3197	3243
30°	3132	3164	3217
35°	3063	3120	3193
40°	2998	3088	3161
45°	2928	3058	3143
50°	2847	3012	3141
55°	2755	2997	3134
60°	2652	2967	3096
65°	2548	2941	3291
70°	2378	2877	3040
75°	2143	2785	2731
80°	1810	2394	2263
85°	1325	1167	423



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.3	3.3
10°-20°	331.4	9.5
20°-30°	498.1	14.2
30°-40°	595.9	17.0
40°-50°	617.8	17.6
50°-60°	566.6	16.2
60°-70°	450.7	12.9
70°-80°	267.8	7.6
80°-90°	56.1	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°	945.8	27.0
0°-40°	1541.7	44.0
0°-60°	2726.0	77.9
0°-90°	3500.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1231	1231	1231	1231	1231	
5°	1230	1226	1217	1226	1224	117
15°	1174	1173	1169	1180	1180	331
25°	1072	1073	1077	1092	1092	494
35°	932	938	950	968	972	584
45°	769	781	804	821	826	592
55°	587	608	639	664	668	524
65°	400	424	462	481	517	396
75°	206	235	268	266	263	219
85°	43	53	38	21	14	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1231.2	1231.2	1231.2	1231.2	1231.2
2.5°	1234.6	1231.2	1222.6	1231.2	1229.5
5°	1229.5	1226.0	1217.4	1226.0	1224.3
7.5°	1219.2	1217.4	1210.6	1219.2	1217.4
10°	1208.9	1205.4	1200.3	1208.9	1208.9
12.5°	1193.4	1190.0	1186.5	1196.8	1195.1
15°	1174.5	1172.8	1169.4	1179.7	1179.7
17.5°	1152.2	1152.2	1150.5	1160.8	1160.8
20°	1129.9	1128.2	1128.2	1140.2	1140.2
22.5°	1102.4	1102.4	1102.4	1117.9	1117.9
25°	1071.5	1073.2	1076.6	1092.1	1092.1
27.5°	1040.6	1044.0	1047.4	1062.9	1066.3
30°	1008.0	1009.7	1018.3	1033.7	1035.4
32.5°	971.9	975.3	983.9	1001.1	1004.5
35°	932.4	937.6	949.6	968.5	971.9
37.5°	894.6	901.5	915.2	934.1	935.8
40°	853.4	862.0	879.2	896.3	899.8
42.5°	810.5	820.8	841.4	860.3	863.7
45°	769.3	781.3	803.6	820.8	825.9
47.5°	722.9	736.6	764.1	784.7	789.9
50°	680.0	693.7	719.5	745.2	750.4
52.5°	631.9	650.8	680.0	705.7	710.9
55°	587.3	607.9	638.8	664.5	668.0
57.5°	539.2	561.5	595.8	619.9	625.0
60°	492.8	516.9	551.2	573.5	575.2
62.5°	451.6	472.2	506.6	527.2	532.3
65°	400.1	424.1	461.9	480.8	516.9
67.5°	352.0	376.1	412.1	475.6	441.3
70°	302.2	329.7	365.7	382.9	386.4
72.5°	255.9	283.3	348.6	329.7	328.0
75°	206.1	235.2	267.9	266.2	262.7
77.5°	159.7	190.6	209.5	211.2	211.2
80°	116.8	154.5	154.5	154.5	146.0
82.5°	75.6	99.6	99.6	85.9	77.3
85°	42.9	53.2	37.8	20.6	13.7
87.5°	15.5	12.0	3.4	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)