

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: P302047

Luminaire Tested: **RX-WO-39L935-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302047  
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-39L935-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (196)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

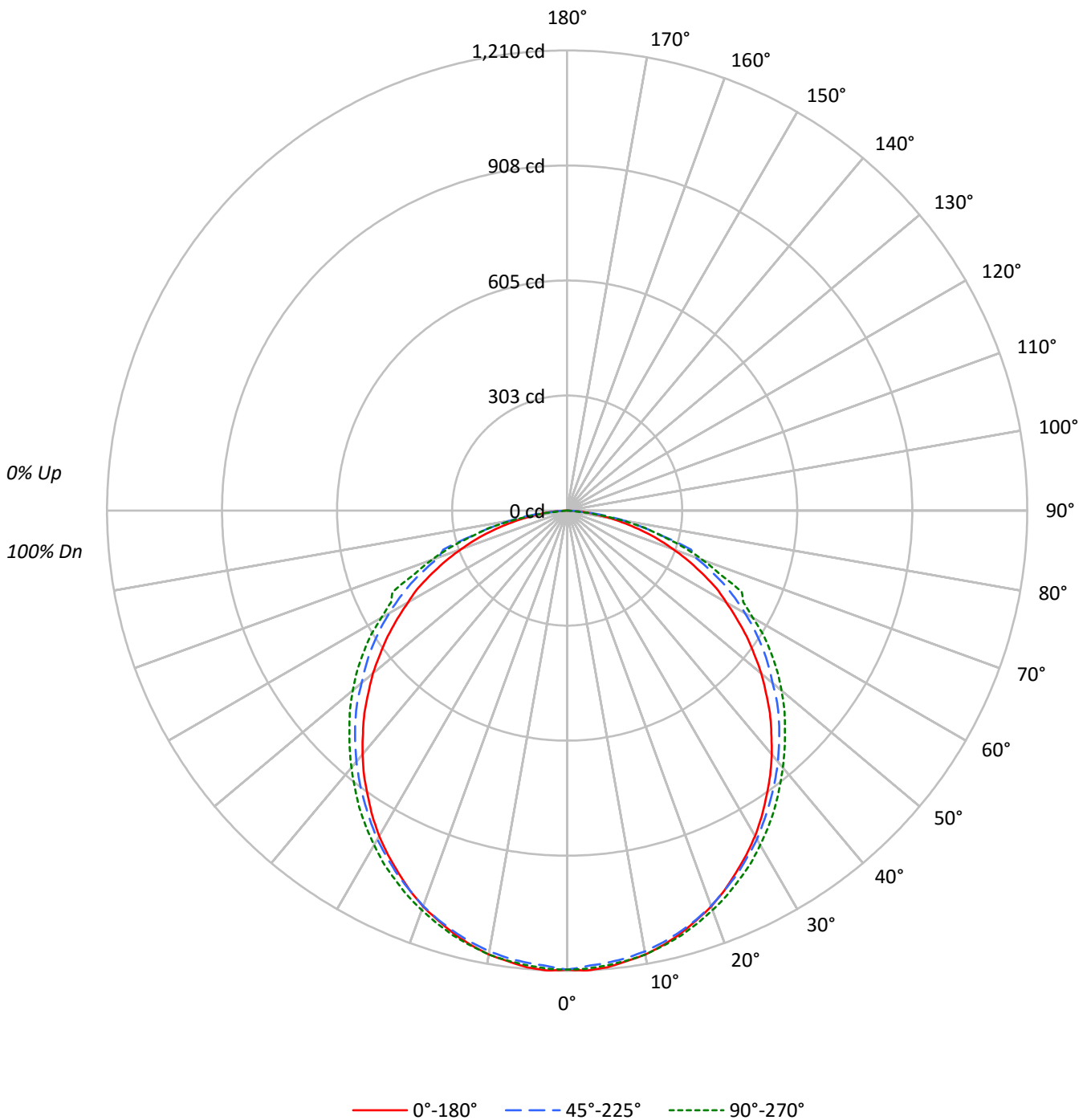
Lumens per Lamp: N/A  
Luminaire Lumens: 3432.4 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.3  
Input Voltage (V): 120  
Input Current (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	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°	3249	3249	3249
5°	3256	3224	3243
10°	3239	3216	3239
15°	3208	3194	3222
20°	3172	3168	3201
25°	3119	3135	3179
30°	3071	3102	3155
35°	3003	3059	3130
40°	2940	3028	3099
45°	2871	2999	3082
50°	2791	2954	3080
55°	2701	2938	3073
60°	2601	2909	3035
65°	2498	2884	3227
70°	2331	2821	2980
75°	2100	2731	2678
80°	1774	2348	2218
85°	1300	1142	417



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.0	3.3
10°-20°	324.9	9.5
20°-30°	488.4	14.2
30°-40°	584.3	17.0
40°-50°	605.8	17.6
50°-60°	555.5	16.2
60°-70°	441.9	12.9
70°-80°	262.6	7.7
80°-90°	55.1	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°	927.4	27.0
0°-40°	1511.6	44.0
0°-60°	2672.9	77.9
0°-90°	3432.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3432.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1207	1207	1207	1207	1207	
5°	1206	1202	1194	1202	1200	114
15°	1152	1150	1147	1157	1157	325
25°	1051	1052	1056	1071	1071	484
35°	914	919	931	950	953	572
45°	754	766	788	805	810	581
55°	576	596	626	652	655	514
65°	392	416	453	471	507	388
75°	202	231	263	261	258	215
85°	42	52	37	20	14	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1207.2	1207.2	1207.2	1207.2	1207.2
2.5°	1210.5	1207.2	1198.8	1207.2	1205.5
5°	1205.5	1202.1	1193.7	1202.1	1200.4
7.5°	1195.4	1193.7	1187.0	1195.4	1193.7
10°	1185.3	1181.9	1176.9	1185.3	1185.3
12.5°	1170.1	1166.8	1163.4	1173.5	1171.8
15°	1151.6	1149.9	1146.6	1156.7	1156.7
17.5°	1129.7	1129.7	1128.0	1138.2	1138.2
20°	1107.8	1106.2	1106.2	1117.9	1117.9
22.5°	1080.9	1080.9	1080.9	1096.1	1096.1
25°	1050.6	1052.3	1055.7	1070.8	1070.8
27.5°	1020.3	1023.7	1027.0	1042.2	1045.6
30°	988.3	990.0	998.4	1013.6	1015.2
32.5°	952.9	956.3	964.7	981.6	984.9
35°	914.2	919.3	931.1	949.6	952.9
37.5°	877.2	883.9	897.4	915.9	917.6
40°	836.8	845.2	862.0	878.9	882.2
42.5°	794.7	804.8	825.0	843.5	846.9
45°	754.3	766.1	788.0	804.8	809.8
47.5°	708.8	722.3	749.2	769.4	774.5
50°	666.7	680.2	705.5	730.7	735.8
52.5°	619.6	638.1	666.7	692.0	697.0
55°	575.8	596.0	626.3	651.6	654.9
57.5°	528.7	550.6	584.2	607.8	612.9
60°	483.2	506.8	540.5	562.3	564.0
62.5°	442.8	463.0	496.7	516.9	521.9
65°	392.3	415.9	452.9	471.4	506.8
67.5°	345.1	368.7	404.1	466.4	432.7
70°	296.3	323.3	358.6	375.5	378.8
72.5°	250.9	277.8	341.8	323.3	321.6
75°	202.0	230.7	262.7	261.0	257.6
77.5°	156.6	186.9	205.4	207.1	207.1
80°	114.5	151.5	151.5	151.5	143.1
82.5°	74.1	97.7	97.7	84.2	75.8
85°	42.1	52.2	37.0	20.2	13.5
87.5°	15.2	11.8	3.4	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)