

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: P302190

Luminaire Tested: **RX-WO-39L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-39L935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

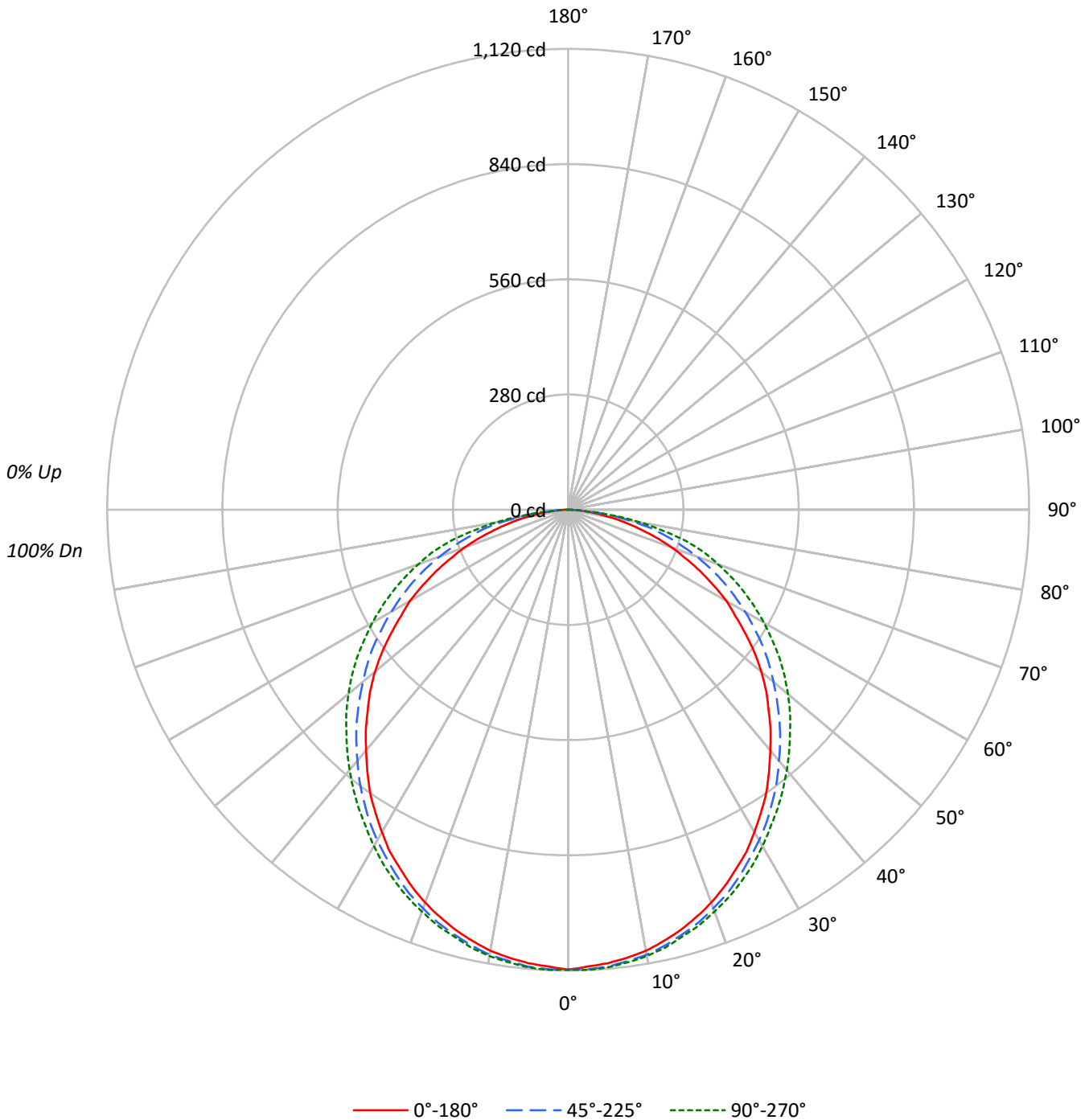
Lumens per Lamp: N/A
Luminaire Lumens: 3200.5 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
Input Voltage (V): 120
Input Current (A_{in}): 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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3008	3008	3008
5°	2989	3011	3015
10°	2974	3001	3010
15°	2945	2977	2991
20°	2910	2952	2976
25°	2862	2920	2959
30°	2811	2883	2934
35°	2757	2843	2913
40°	2683	2798	2902
45°	2620	2763	2901
50°	2566	2724	2916
55°	2469	2707	2938
60°	2391	2673	2955
65°	2255	2651	2995
70°	2102	2605	3043
75°	1858	2557	3101
80°	1550	2388	2769
85°	1164	1621	1467



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	3.3
10°-20°	301.2	9.4
20°-30°	452.5	14.1
30°-40°	540.7	16.9
40°-50°	560.6	17.5
50°-60°	514.9	16.1
60°-70°	408.9	12.8
70°-80°	253.9	7.9
80°-90°	62.1	1.9
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°	859.4	26.9
0°-40°	1400.1	43.7
0°-60°	2475.6	77.4
0°-90°	3200.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3200.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1106	1110	1115	1116	1116	105
15°	1057	1060	1069	1074	1074	298
25°	964	970	984	995	997	444
35°	839	847	866	882	887	524
45°	688	698	726	754	762	532
55°	526	539	577	613	626	471
65°	354	370	416	456	470	350
75°	179	202	246	284	298	191
85°	38	46	52	51	48	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1117.9	1117.9	1117.9	1117.9	1117.9
2.5°	1111.3	1113.0	1117.9	1121.2	1119.5
5°	1106.4	1109.7	1114.6	1116.3	1116.3
7.5°	1098.2	1101.5	1106.4	1109.7	1109.7
10°	1088.4	1091.7	1098.2	1101.5	1101.5
12.5°	1073.6	1076.9	1085.1	1088.4	1090.0
15°	1057.2	1060.5	1068.7	1073.6	1073.6
17.5°	1037.6	1042.5	1052.3	1057.2	1058.9
20°	1016.3	1021.2	1031.0	1037.6	1039.2
22.5°	991.7	996.6	1009.7	1017.9	1019.5
25°	963.8	970.4	983.5	995.0	996.6
27.5°	937.6	942.5	955.6	967.1	972.0
30°	904.8	913.0	927.8	940.9	944.1
32.5°	872.0	881.9	898.3	913.0	914.6
35°	839.2	847.4	865.5	881.9	886.8
37.5°	801.5	809.7	832.7	850.7	857.3
40°	763.8	775.3	796.6	817.9	826.1
42.5°	727.8	739.3	762.2	786.8	795.0
45°	688.4	698.3	726.1	754.0	762.2
47.5°	652.4	660.6	688.4	721.2	731.1
50°	613.0	619.6	650.7	686.8	696.6
52.5°	570.4	580.3	614.7	650.7	662.2
55°	526.2	539.3	577.0	613.0	626.2
57.5°	481.9	496.7	536.0	575.3	586.8
60°	444.2	454.0	496.7	536.0	549.1
62.5°	398.3	413.1	455.7	496.7	509.8
65°	354.1	370.4	416.3	455.7	470.4
67.5°	308.2	327.8	375.4	413.1	429.5
70°	267.2	286.9	331.1	370.4	386.8
72.5°	222.9	244.2	288.5	329.5	347.5
75°	178.7	201.6	245.9	283.6	298.3
77.5°	139.3	162.3	203.3	229.5	236.0
80°	100.0	119.7	154.1	172.1	178.7
82.5°	67.2	82.0	104.9	111.5	114.7
85°	37.7	45.9	52.5	50.8	47.5
87.5°	16.4	13.1	11.5	4.9	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)