

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: P302119

Luminaire Tested: **RX-WO-39H935-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302119  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-39H935-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

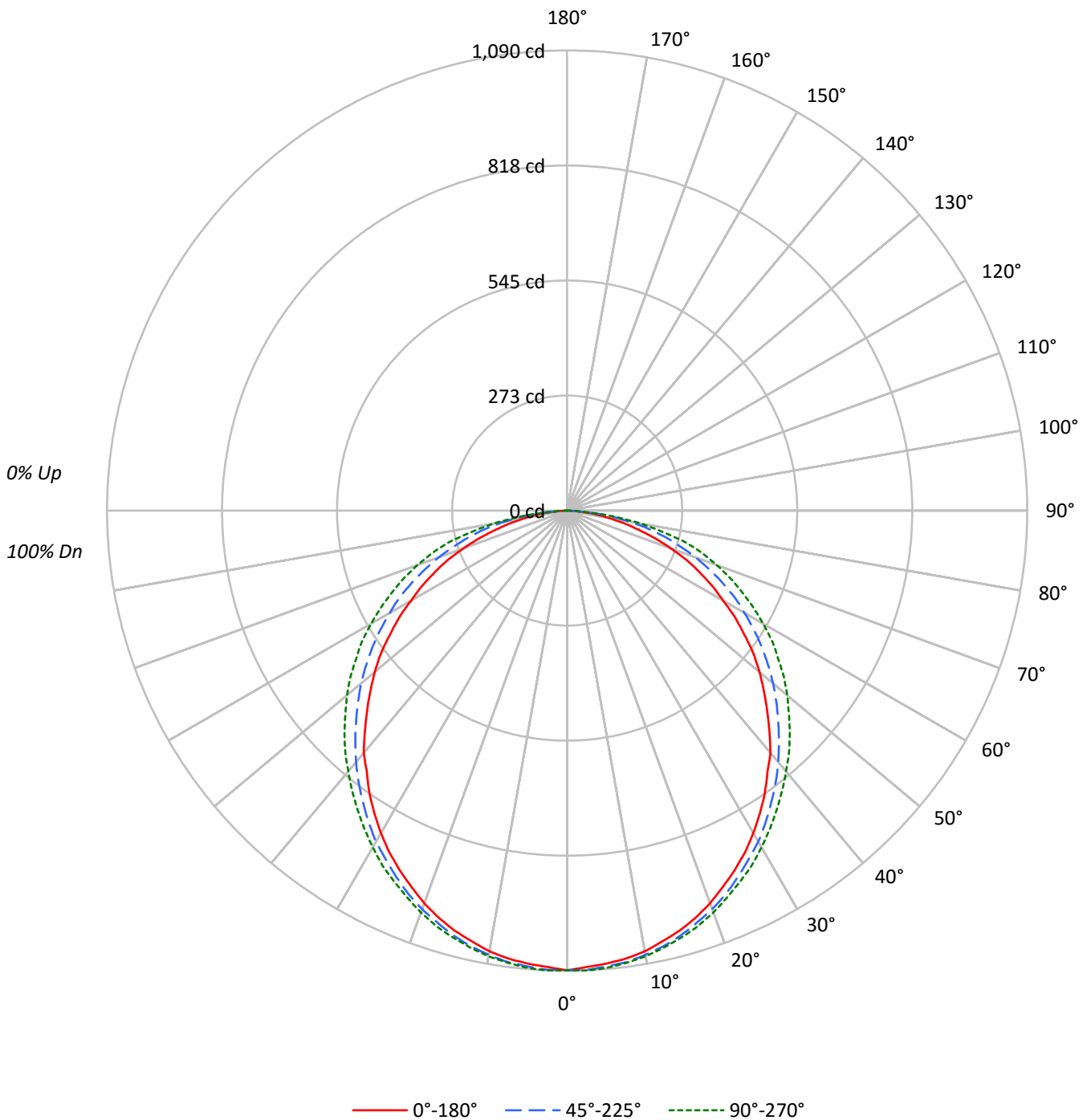
Lumens per Lamp: N/A  
Luminaire Lumens: 3120.7 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.9  
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	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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2930	2930	2930
5°	2909	2927	2936
10°	2897	2920	2929
15°	2869	2902	2916
20°	2834	2877	2901
25°	2789	2843	2878
30°	2741	2814	2861
35°	2682	2771	2842
40°	2632	2733	2833
45°	2551	2692	2839
50°	2490	2665	2848
55°	2404	2640	2861
60°	2296	2613	2884
65°	2204	2589	2910
70°	2049	2538	2961
75°	1816	2481	3022
80°	1536	2317	2734
85°	1090	1609	1556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.9	3.3
10°-20°	293.3	9.4
20°-30°	440.7	14.1
30°-40°	527.3	16.9
40°-50°	546.7	17.5
50°-60°	502.9	16.1
60°-70°	399.1	12.8
70°-80°	246.5	7.9
80°-90°	61.3	2.0
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°	836.9	26.8
0°-40°	1364.2	43.7
0°-60°	2413.8	77.3
0°-90°	3120.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3120.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1077	1080	1084	1087	1087	102
15°	1030	1033	1042	1047	1047	290
25°	939	946	958	968	969	433
35°	816	825	843	860	865	511
45°	670	682	707	736	746	518
55°	512	526	563	602	610	459
65°	346	361	407	445	457	342
75°	175	198	239	276	291	187
85°	35	45	52	52	50	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1088.7	1088.7	1088.7	1088.7	1088.7
2.5°	1082.0	1083.6	1088.7	1090.4	1090.4
5°	1076.9	1080.3	1083.6	1087.0	1087.0
7.5°	1070.2	1073.6	1078.6	1080.3	1080.3
10°	1060.1	1063.5	1068.5	1071.9	1071.9
12.5°	1045.0	1050.0	1056.8	1060.1	1060.1
15°	1029.9	1033.2	1041.6	1046.7	1046.7
17.5°	1011.4	1014.8	1023.2	1029.9	1031.6
20°	989.6	992.9	1004.7	1011.4	1013.1
22.5°	964.4	969.4	982.8	989.6	991.2
25°	939.2	945.9	957.6	967.7	969.4
27.5°	912.3	919.0	930.8	944.2	947.6
30°	882.0	888.8	905.6	917.3	920.7
32.5°	850.1	858.5	875.3	890.4	893.8
35°	816.5	824.9	843.4	860.2	865.2
37.5°	779.5	791.3	811.5	829.9	836.7
40°	749.3	756.0	777.9	799.7	806.4
42.5°	709.0	719.1	742.6	767.8	777.9
45°	670.3	682.1	707.3	735.9	745.9
47.5°	631.7	643.5	672.0	702.3	712.3
50°	594.7	604.8	636.7	670.3	680.4
52.5°	556.1	566.2	599.8	636.7	646.8
55°	512.4	525.9	562.8	601.5	609.9
57.5°	472.1	485.5	524.2	561.1	576.3
60°	426.7	443.5	485.5	522.5	535.9
62.5°	388.1	401.5	448.6	485.5	497.3
65°	346.1	361.2	406.6	445.2	457.0
67.5°	305.8	320.9	364.6	403.2	418.3
70°	260.4	277.2	322.6	361.2	376.3
72.5°	218.4	238.6	278.9	319.2	336.0
75°	174.7	198.2	238.6	275.5	290.7
77.5°	136.1	156.2	194.9	220.1	228.5
80°	99.1	119.3	149.5	166.3	176.4
82.5°	67.2	79.0	102.5	114.2	114.2
85°	35.3	45.4	52.1	52.1	50.4
87.5°	11.8	13.4	10.1	5.0	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)