

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: P302100

Luminaire Tested: **RX-WO-34H835-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302100  
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-34H835-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

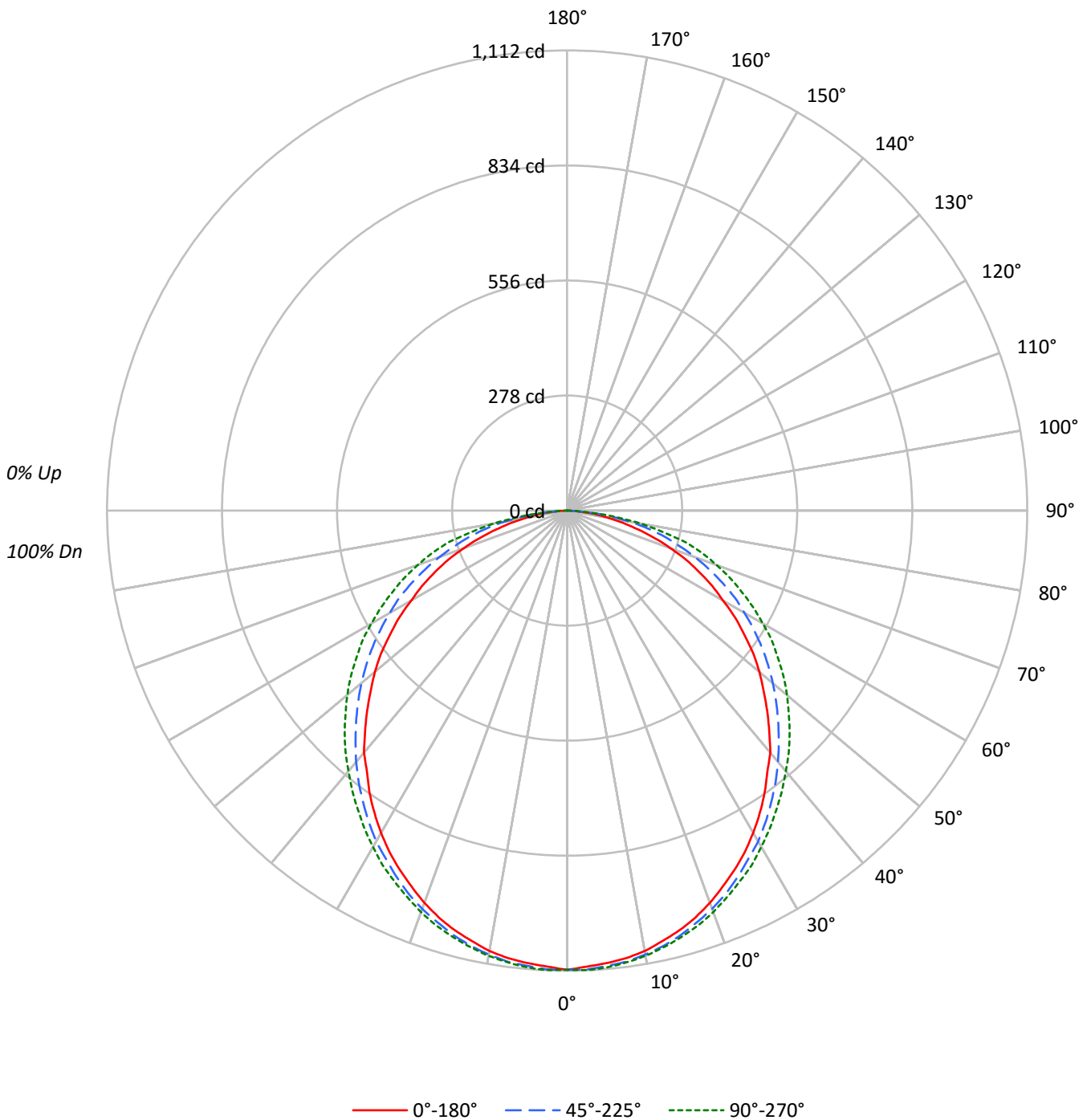
Lumens per Lamp: N/A  
Luminaire Lumens: 3181.2 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.5  
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	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	45	57	50	45	55	49	44	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	52	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°	2986	2986	2986
5°	2965	2984	2993
10°	2953	2976	2986
15°	2925	2958	2973
20°	2889	2933	2957
25°	2843	2899	2934
30°	2794	2868	2916
35°	2734	2825	2897
40°	2683	2786	2888
45°	2600	2744	2894
50°	2538	2717	2904
55°	2451	2692	2917
60°	2341	2664	2940
65°	2246	2639	2966
70°	2089	2587	3018
75°	1852	2529	3081
80°	1565	2362	2786
85°	1112	1639	1587



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.9	3.3
10°-20°	299.0	9.4
20°-30°	449.3	14.1
30°-40°	537.5	16.9
40°-50°	557.4	17.5
50°-60°	512.6	16.1
60°-70°	406.8	12.8
70°-80°	251.3	7.9
80°-90°	62.4	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°	853.2	26.8
0°-40°	1390.7	43.7
0°-60°	2460.6	77.3
0°-90°	3181.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3181.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1098	1101	1105	1108	1108	104
15°	1050	1053	1062	1067	1067	296
25°	957	964	976	986	988	441
35°	832	841	860	877	882	521
45°	683	695	721	750	760	528
55°	522	536	574	613	622	468
65°	353	368	414	454	466	349
75°	178	202	243	281	296	190
85°	36	46	53	53	51	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1109.8	1109.8	1109.8	1109.8	1109.8
2.5°	1102.9	1104.7	1109.8	1111.5	1111.5
5°	1097.8	1101.2	1104.7	1108.1	1108.1
7.5°	1091.0	1094.4	1099.5	1101.2	1101.2
10°	1080.7	1084.1	1089.2	1092.7	1092.7
12.5°	1065.3	1070.4	1077.3	1080.7	1080.7
15°	1049.9	1053.3	1061.8	1067.0	1067.0
17.5°	1031.0	1034.4	1043.0	1049.9	1051.6
20°	1008.8	1012.2	1024.2	1031.0	1032.7
22.5°	983.1	988.2	1001.9	1008.8	1010.5
25°	957.4	964.2	976.2	986.5	988.2
27.5°	930.0	936.8	948.8	962.5	965.9
30°	899.1	906.0	923.1	935.1	938.5
32.5°	866.6	875.2	892.3	907.7	911.1
35°	832.4	840.9	859.8	876.9	882.0
37.5°	794.7	806.7	827.2	846.1	852.9
40°	763.8	770.7	793.0	815.2	822.1
42.5°	722.7	733.0	757.0	782.7	793.0
45°	683.3	695.3	721.0	750.1	760.4
47.5°	644.0	655.9	685.1	715.9	726.2
50°	606.3	616.6	649.1	683.3	693.6
52.5°	566.9	577.2	611.4	649.1	659.4
55°	522.4	536.1	573.7	613.1	621.7
57.5°	481.3	495.0	534.3	572.0	587.4
60°	435.0	452.1	495.0	532.6	546.3
62.5°	395.6	409.3	457.3	495.0	506.9
65°	352.8	368.2	414.5	453.9	465.8
67.5°	311.7	327.1	371.6	411.0	426.5
70°	265.5	282.6	328.8	368.2	383.6
72.5°	222.6	243.2	284.3	325.4	342.5
75°	178.1	202.1	243.2	280.9	296.3
77.5°	138.7	159.3	198.7	224.4	232.9
80°	101.0	121.6	152.4	169.6	179.8
82.5°	68.5	80.5	104.5	116.5	116.5
85°	36.0	46.2	53.1	53.1	51.4
87.5°	12.0	13.7	10.3	5.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)