

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: G3-1902-133-39

Luminaire Tested: **RX-WO-20L830-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-1902-133-39  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-20L830-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (112)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

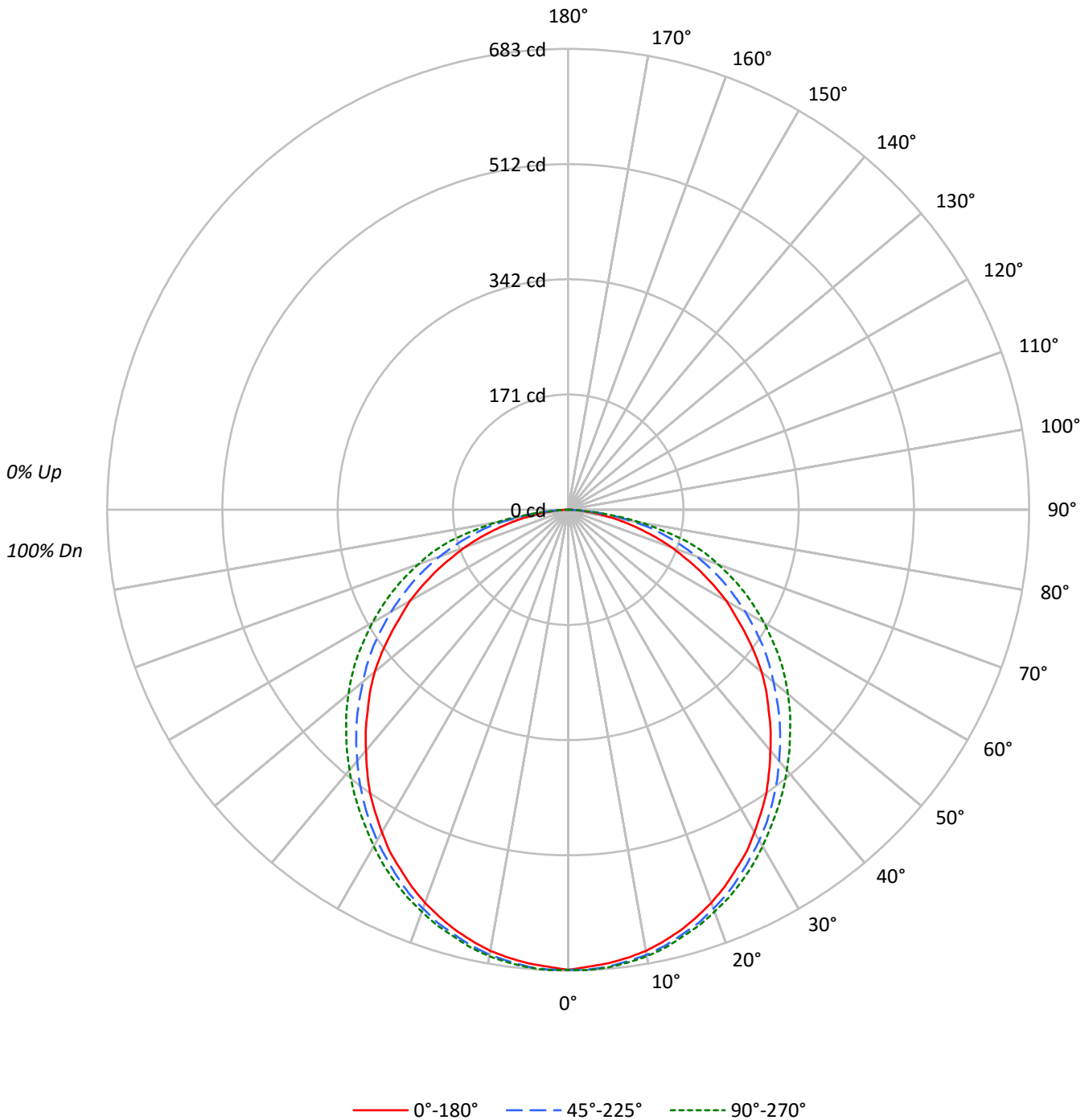
Lumens per Lamp: N/A  
Luminaire Lumens: 1952.5 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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	46	57	50	45	55	49	45	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	53	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°	1835	1835	1835
5°	1823	1837	1840
10°	1814	1831	1836
15°	1797	1816	1825
20°	1775	1801	1816
25°	1746	1781	1805
30°	1715	1759	1790
35°	1682	1735	1777
40°	1637	1707	1770
45°	1598	1686	1770
50°	1566	1662	1779
55°	1506	1651	1792
60°	1459	1631	1803
65°	1375	1617	1827
70°	1282	1589	1857
75°	1133	1560	1892
80°	945	1457	1689
85°	710	988	895



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.5	3.3
10°-20°	183.7	9.4
20°-30°	276.1	14.1
30°-40°	329.9	16.9
40°-50°	342.0	17.5
50°-60°	314.1	16.1
60°-70°	249.5	12.8
70°-80°	154.9	7.9
80°-90°	37.9	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°	524.3	26.9
0°-40°	854.1	43.7
0°-60°	1510.3	77.4
0°-90°	1952.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1952.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	675	677	680	681	681	64
15°	645	647	652	655	655	182
25°	588	592	600	607	608	271
35°	512	517	528	538	541	320
45°	420	426	443	460	465	325
55°	321	329	352	374	382	287
65°	216	226	254	278	287	214
75°	109	123	150	173	182	117
85°	23	28	32	31	29	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	682	682	682	682	682
2.5°	678	679	682	684	683
5°	675	677	680	681	681
7.5°	670	672	675	677	677
10°	664	666	670	672	672
12.5°	655	657	662	664	665
15°	645	647	652	655	655
17.5°	633	636	642	645	646
20°	620	623	629	633	634
22.5°	605	608	616	621	622
25°	588	592	600	607	608
27.5°	572	575	583	590	593
30°	552	557	566	574	576
32.5°	532	538	548	557	558
35°	512	517	528	538	541
37.5°	489	494	508	519	523
40°	466	473	486	499	504
42.5°	444	451	465	480	485
45°	420	426	443	460	465
47.5°	398	403	420	440	446
50°	374	378	397	419	425
52.5°	348	354	375	397	404
55°	321	329	352	374	382
57.5°	294	303	327	351	358
60°	271	277	303	327	335
62.5°	243	252	278	303	311
65°	216	226	254	278	287
67.5°	188	200	229	252	262
70°	163	175	202	226	236
72.5°	136	149	176	201	212
75°	109	123	150	173	182
77.5°	85	99	124	140	144
80°	61	73	94	105	109
82.5°	41	50	64	68	70
85°	23	28	32	31	29
87.5°	10	8	7	3	2
90°	0	0	0	0	0

(END OF REPORT)