

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: G3-1902-133-5

Luminaire Tested: **RX-WO-20H830-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-1902-133-5  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-20H830-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (168)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

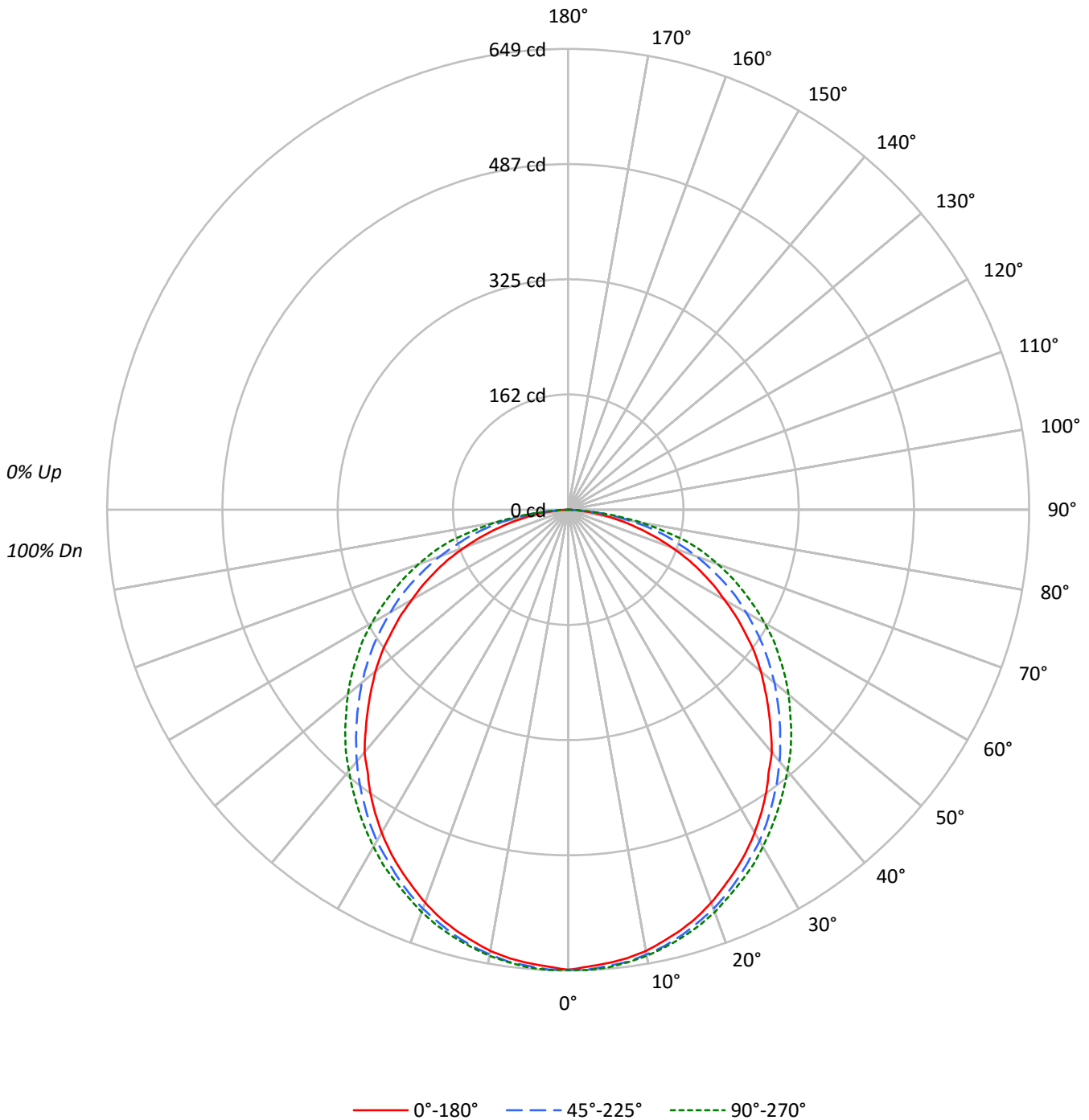
Lumens per Lamp: N/A  
Luminaire Lumens: 1857.5 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 18.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.9  
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	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°	187	187	187
5°	186	187	187
10°	185	186	187
15°	183	185	186
20°	181	183	185
25°	178	181	184
30°	175	179	182
35°	171	177	181
40°	168	174	181
45°	163	172	181
50°	159	170	182
55°	153	168	182
60°	146	167	184
65°	141	165	186
70°	131	162	189
75°	116	158	193
80°	98	148	174
85°	69	103	99



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.3	3.3
10°-20°	174.6	9.4
20°-30°	262.3	14.1
30°-40°	313.8	16.9
40°-50°	325.4	17.5
50°-60°	299.3	16.1
60°-70°	237.6	12.8
70°-80°	146.7	7.9
80°-90°	36.5	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°	498.2	26.8
0°-40°	812.0	43.7
0°-60°	1436.7	77.3
0°-90°	1857.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1857.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	648	648	648	648	648	
5°	641	643	645	647	647	61
15°	613	615	620	623	623	173
25°	559	563	570	576	577	258
35°	486	491	502	512	515	304
45°	399	406	421	438	444	308
55°	305	313	335	358	363	273
65°	206	215	242	265	272	204
75°	104	118	142	164	173	111
85°	21	27	31	31	30	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	648	648	648	648	648
2.5°	644	645	648	649	649
5°	641	643	645	647	647
7.5°	637	639	642	643	643
10°	631	633	636	638	638
12.5°	622	625	629	631	631
15°	613	615	620	623	623
17.5°	602	604	609	613	614
20°	589	591	598	602	603
22.5°	574	577	585	589	590
25°	559	563	570	576	577
27.5°	543	547	554	562	564
30°	525	529	539	546	548
32.5°	506	511	521	530	532
35°	486	491	502	512	515
37.5°	464	471	483	494	498
40°	446	450	463	476	480
42.5°	422	428	442	457	463
45°	399	406	421	438	444
47.5°	376	383	400	418	424
50°	354	360	379	399	405
52.5°	331	337	357	379	385
55°	305	313	335	358	363
57.5°	281	289	312	334	343
60°	254	264	289	311	319
62.5°	231	239	267	289	296
65°	206	215	242	265	272
67.5°	182	191	217	240	249
70°	155	165	192	215	224
72.5°	130	142	166	190	200
75°	104	118	142	164	173
77.5°	81	93	116	131	136
80°	59	71	89	99	105
82.5°	40	47	61	68	68
85°	21	27	31	31	30
87.5°	7	8	6	3	2
90°	0	0	0	0	0

(END OF REPORT)