

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: G3-1902-133-42

Luminaire Tested: **ZX-WO-30L830-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-1902-133-42  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-30L830-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

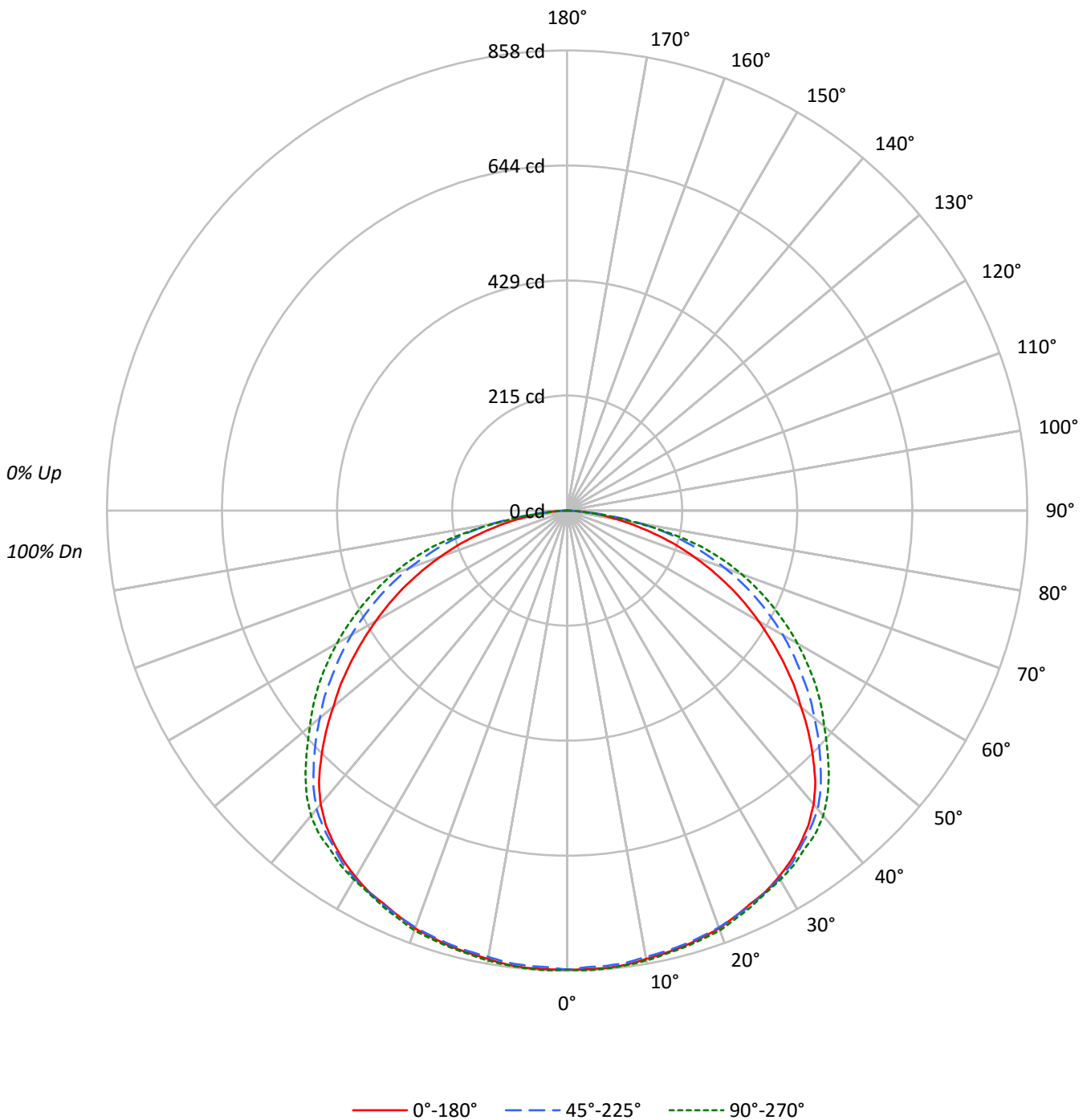
Lumens per Lamp: N/A  
Luminaire Lumens: 2831.8 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 22.3  
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

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

	0°	45°	90°
0°	1152	1152	1152
5°	1156	1151	1157
10°	1160	1154	1164
15°	1171	1167	1174
20°	1187	1184	1193
25°	1201	1204	1208
30°	1226	1230	1235
35°	1245	1252	1266
40°	1256	1277	1305
45°	1233	1271	1313
50°	1191	1260	1310
55°	1154	1253	1325
60°	1109	1251	1335
65°	1060	1245	1347
70°	987	1231	1361
75°	884	1201	1341
80°	736	1108	1031
85°	556	648	540



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.4	2.9
10°-20°	237.9	8.4
20°-30°	375.2	13.2
30°-40°	479.0	16.9
40°-50°	516.0	18.2
50°-60°	475.4	16.8
60°-70°	380.2	13.4
70°-80°	233.4	8.2
80°-90°	53.2	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°	694.5	24.5
0°-40°	1173.6	41.4
0°-60°	2165.0	76.5
0°-90°	2831.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2831.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	856	856	852	857	857	81
15°	841	842	838	843	843	238
25°	809	810	811	815	814	374
35°	758	760	762	770	771	474
45°	648	655	668	685	690	499
55°	492	505	534	558	565	440
65°	333	355	391	415	423	329
75°	170	197	231	252	258	181
85°	36	48	42	37	35	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	856	856	856	856	856
2.5°	856	857	852	857	858
5°	856	856	852	857	857
7.5°	854	854	850	855	855
10°	849	849	845	850	852
12.5°	845	845	842	847	847
15°	841	842	838	843	843
17.5°	835	835	833	837	838
20°	829	829	827	832	833
22.5°	819	820	819	823	823
25°	809	810	811	815	814
27.5°	801	802	802	806	803
30°	789	792	792	794	795
32.5°	775	779	780	784	785
35°	758	760	762	770	771
37.5°	739	744	746	757	760
40°	715	721	727	741	743
42.5°	685	692	700	715	719
45°	648	655	668	685	690
47.5°	610	618	636	654	658
50°	569	581	602	623	626
52.5°	532	544	570	592	597
55°	492	505	534	558	565
57.5°	452	469	500	524	531
60°	412	430	465	487	496
62.5°	373	393	428	453	460
65°	333	355	391	415	423
67.5°	292	315	353	377	385
70°	251	277	313	339	346
72.5°	212	236	272	295	304
75°	170	197	231	252	258
77.5°	132	158	188	201	199
80°	95	122	143	139	133
82.5°	64	86	89	83	81
85°	36	48	42	37	35
87.5°	15	13	7	3	2
90°	0	0	0	0	0

(END OF REPORT)