

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: G3-1806-819-3

Luminaire Tested: **D3X-WG-23L830-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-1806-819-3  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-23L830-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (112) 3000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2236.2 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

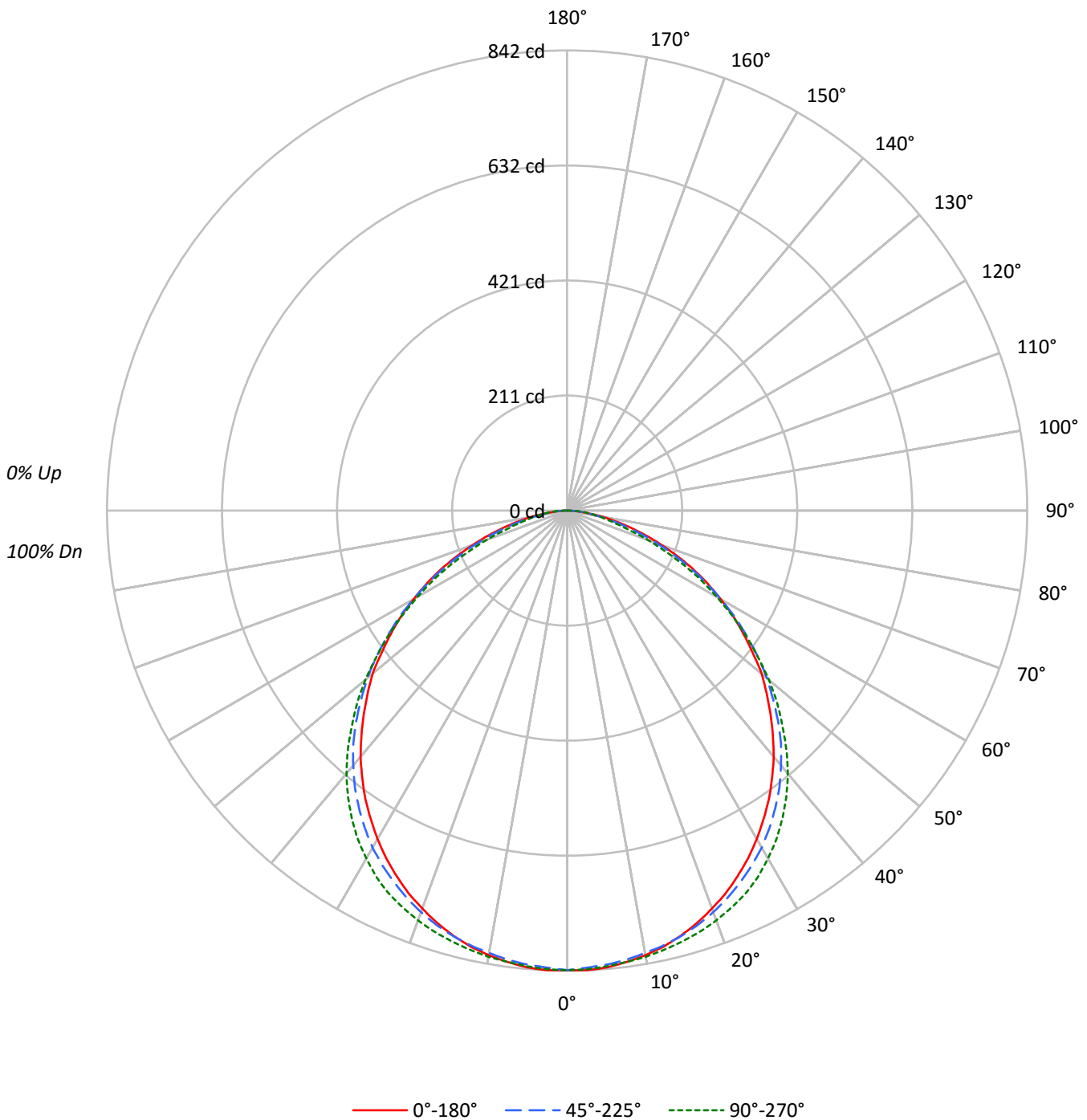
Input Watts (W): 22.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	2263	2263	2263
5°	2266	2253	2261
10°	2257	2246	2265
15°	2243	2245	2273
20°	2219	2239	2285
25°	2191	2227	2295
30°	2156	2212	2284
35°	2116	2181	2257
40°	2066	2139	2206
45°	2002	2078	2120
50°	1947	1997	2018
55°	1848	1886	1877
60°	1749	1749	1701
65°	1624	1585	1496
70°	1440	1377	1243
75°	1248	1133	957
80°	1023	883	868
85°	679	803	865



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.5	3.6
10°-20°	228.2	10.2
20°-30°	346.9	15.5
30°-40°	415.3	18.6
40°-50°	418.9	18.7
50°-60°	356.8	16.0
60°-70°	244.0	10.9
70°-80°	116.8	5.2
80°-90°	29.6	1.3
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°	654.7	29.3
0°-40°	1070.0	47.8
0°-60°	1845.8	82.5
0°-90°	2236.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2236.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	841	841	841	841	841	
5°	839	838	834	838	837	80
15°	805	803	806	815	816	227
25°	738	739	750	767	773	340
35°	644	646	664	683	687	402
45°	526	530	546	557	557	406
55°	394	396	402	403	400	353
65°	255	250	249	240	235	251
75°	120	118	109	95	92	128
85°	22	24	26	27	28	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	841	841	841	841	841
2.5°	842	841	837	841	840
5°	839	838	834	838	837
7.5°	833	832	829	833	833
10°	826	824	822	828	829
12.5°	817	815	815	822	823
15°	805	803	806	815	816
17.5°	791	790	795	806	808
20°	775	774	782	795	798
22.5°	758	758	767	782	786
25°	738	739	750	767	773
27.5°	717	719	732	751	756
30°	694	697	712	730	735
32.5°	669	672	689	708	713
35°	644	646	664	683	687
37.5°	616	619	638	655	659
40°	588	591	609	625	628
42.5°	557	561	579	592	594
45°	526	530	546	557	557
47.5°	495	497	511	522	521
50°	465	464	477	482	482
52.5°	428	431	440	443	440
55°	394	396	402	403	400
57.5°	361	360	365	362	358
60°	325	325	325	322	316
62.5°	290	288	287	280	277
65°	255	250	249	240	235
67.5°	218	216	211	202	193
70°	183	181	175	164	158
72.5°	151	149	141	128	120
75°	120	118	109	95	92
77.5°	91	90	81	74	73
80°	66	65	57	57	56
82.5°	42	42	40	41	42
85°	22	24	26	27	28
87.5°	7	11	13	14	13
90°	0	0	0	0	0

(END OF REPORT)