

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: G3-1806-819-1

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

Issue Date: 3/3/2020

Test Information

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2359.1 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

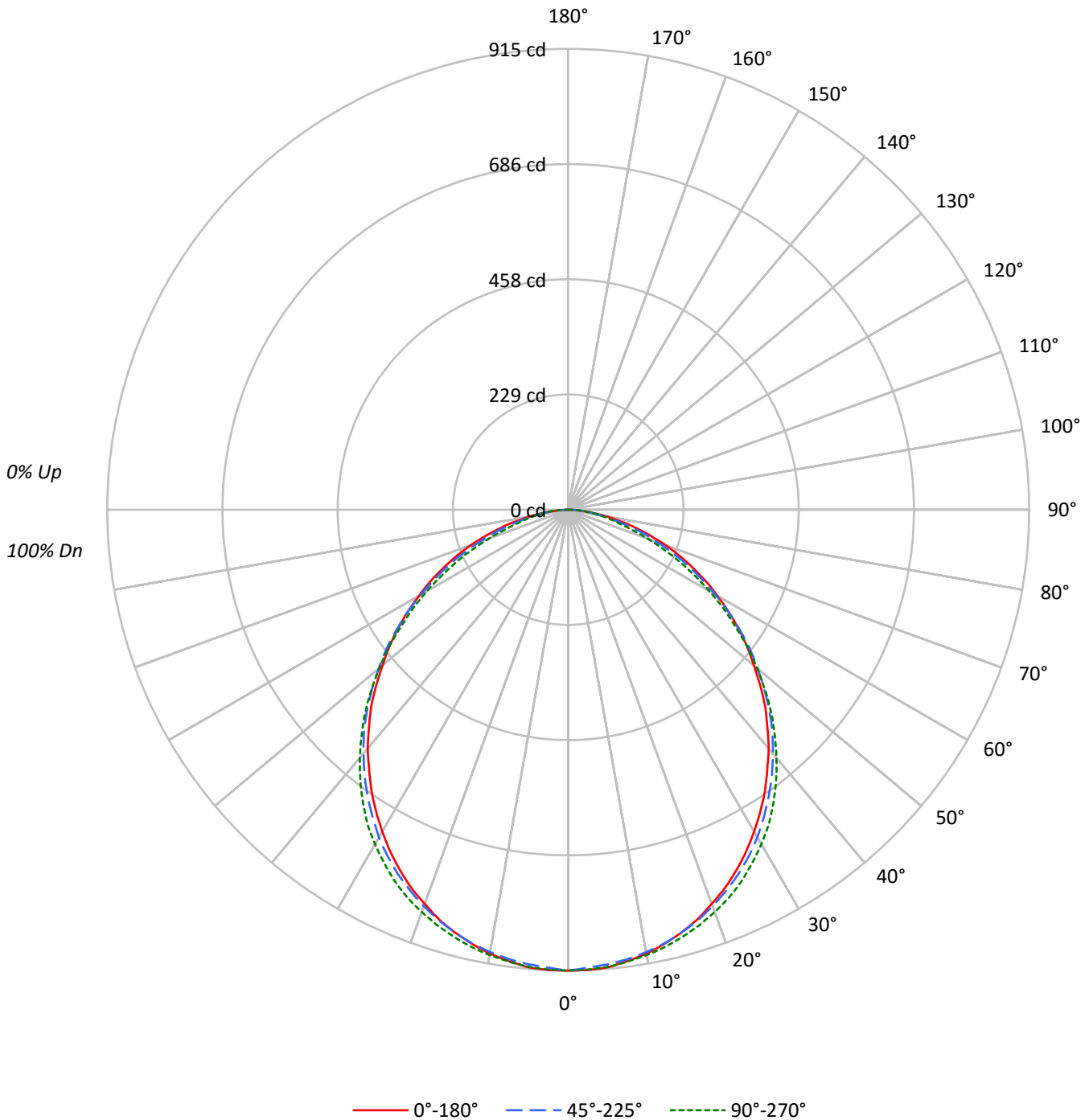
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2462	2462	2462
5°	2464	2447	2461
10°	2446	2437	2454
15°	2421	2421	2446
20°	2385	2400	2434
25°	2346	2372	2417
30°	2293	2334	2383
35°	2237	2280	2332
40°	2174	2220	2259
45°	2105	2150	2169
50°	2014	2056	2047
55°	1938	1952	1900
60°	1841	1814	1744
65°	1738	1668	1554
70°	1613	1479	1314
75°	1435	1268	1081
80°	1193	1038	1007
85°	865	926	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	3.7
10°-20°	246.0	10.4
20°-30°	368.7	15.6
30°-40°	434.3	18.4
40°-50°	433.2	18.4
50°-60°	368.5	15.6
60°-70°	257.2	10.9
70°-80°	130.7	5.5
80°-90°	34.1	1.4
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°	701.0	29.7
0°-40°	1135.3	48.1
0°-60°	1937.0	82.1
0°-90°	2359.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2359.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	912	910	906	911	911	86
15°	869	869	869	877	878	245
25°	790	791	799	811	814	364
35°	681	682	694	708	710	425
45°	553	555	565	569	570	425
55°	413	413	416	410	405	369
65°	273	269	262	248	244	271
75°	138	133	122	107	104	147
85°	28	29	30	30	30	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	915	915	915	915	915
2.5°	915	914	910	914	914
5°	912	910	906	911	911
7.5°	904	903	900	905	905
10°	895	894	892	898	898
12.5°	883	883	882	888	889
15°	869	869	869	877	878
17.5°	853	852	855	864	865
20°	833	834	838	848	850
22.5°	813	814	819	831	834
25°	790	791	799	811	814
27.5°	765	767	776	789	791
30°	738	740	751	764	767
32.5°	710	713	723	737	741
35°	681	682	694	708	710
37.5°	649	652	664	676	678
40°	619	621	632	642	643
42.5°	585	588	600	607	607
45°	553	555	565	569	570
47.5°	517	519	528	530	530
50°	481	486	491	491	489
52.5°	448	449	455	451	449
55°	413	413	416	410	405
57.5°	378	378	378	370	366
60°	342	341	337	327	324
62.5°	308	305	299	289	283
65°	273	269	262	248	244
67.5°	240	233	225	212	205
70°	205	199	188	173	167
72.5°	171	165	156	141	132
75°	138	133	122	107	104
77.5°	106	103	92	85	84
80°	77	76	67	65	65
82.5°	51	50	47	47	46
85°	28	29	30	30	30
87.5°	10	12	14	14	14
90°	0	0	0	0	0

(END OF REPORT)