

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: P257434

Luminaire Tested: **D3X-WG-26L830-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-26L830-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: 2494.1 lumens  
Efficiency: N/A  
Efficacy: 101.0 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

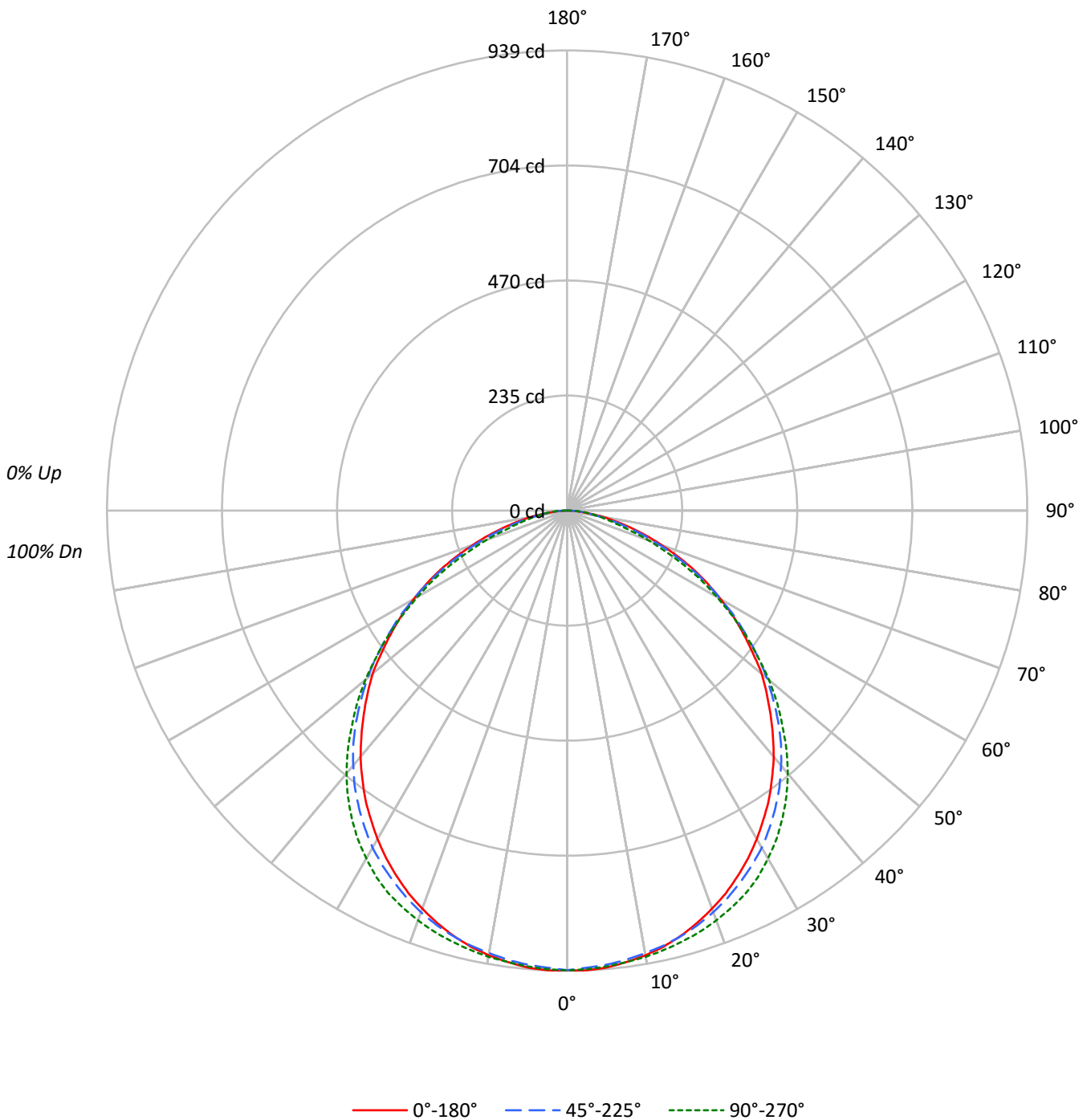
Input Watts (W): 24.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2524	2524	2524
5°	2528	2513	2522
10°	2517	2505	2526
15°	2501	2505	2535
20°	2475	2498	2549
25°	2444	2484	2560
30°	2405	2467	2547
35°	2360	2433	2517
40°	2304	2386	2460
45°	2233	2318	2364
50°	2171	2227	2251
55°	2061	2104	2093
60°	1951	1951	1897
65°	1811	1768	1669
70°	1606	1536	1386
75°	1391	1264	1067
80°	1141	986	969
85°	756	895	963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.7	3.6
10°-20°	254.6	10.2
20°-30°	386.9	15.5
30°-40°	463.2	18.6
40°-50°	467.3	18.7
50°-60°	398.0	16.0
60°-70°	272.1	10.9
70°-80°	130.3	5.2
80°-90°	33.0	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°	730.2	29.3
0°-40°	1193.4	47.8
0°-60°	2058.7	82.5
0°-90°	2494.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2494.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	936	935	930	935	934	89
15°	898	896	899	909	910	253
25°	823	824	836	856	862	379
35°	718	720	741	762	766	449
45°	587	591	609	621	621	453
55°	439	442	448	450	446	393
65°	284	279	278	268	262	280
75°	134	132	122	106	103	143
85°	24	27	29	30	31	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	938.0	938.0	938.0	938.0	938.0
2.5°	939.1	938.0	933.5	938.0	936.9
5°	935.8	934.7	930.2	934.7	933.5
7.5°	929.1	928.0	924.6	929.1	929.1
10°	921.3	919.0	916.8	923.5	924.6
12.5°	911.2	909.0	909.0	916.8	917.9
15°	897.9	895.6	899.0	909.0	910.1
17.5°	882.2	881.1	886.7	899.0	901.2
20°	864.4	863.3	872.2	886.7	890.0
22.5°	845.4	845.4	855.5	872.2	876.7
25°	823.1	824.2	836.5	855.5	862.2
27.5°	799.7	801.9	816.4	837.6	843.2
30°	774.0	777.4	794.1	814.2	819.8
32.5°	746.2	749.5	768.5	789.7	795.2
35°	718.3	720.5	740.6	761.8	766.2
37.5°	687.1	690.4	711.6	730.5	735.0
40°	655.8	659.2	679.2	697.1	700.4
42.5°	621.2	625.7	645.8	660.3	662.5
45°	586.7	591.1	609.0	621.2	621.2
47.5°	552.1	554.3	569.9	582.2	581.1
50°	518.6	517.5	532.0	537.6	537.6
52.5°	477.4	480.7	490.8	494.1	490.8
55°	439.4	441.7	448.4	449.5	446.1
57.5°	402.6	401.5	407.1	403.8	399.3
60°	362.5	362.5	362.5	359.1	352.4
62.5°	323.4	321.2	320.1	312.3	309.0
65°	284.4	278.8	277.7	267.7	262.1
67.5°	243.1	240.9	235.3	225.3	215.3
70°	204.1	201.9	195.2	182.9	176.2
72.5°	168.4	166.2	157.3	142.8	133.8
75°	133.8	131.6	121.6	106.0	102.6
77.5°	101.5	100.4	90.3	82.5	81.4
80°	73.6	72.5	63.6	63.6	62.5
82.5°	46.8	46.8	44.6	45.7	46.8
85°	24.5	26.8	29.0	30.1	31.2
87.5°	7.8	12.3	14.5	15.6	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)