

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: P297696

Luminaire Tested: **D3X-WG-26L83050-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297696  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-26L83050-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2659.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 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

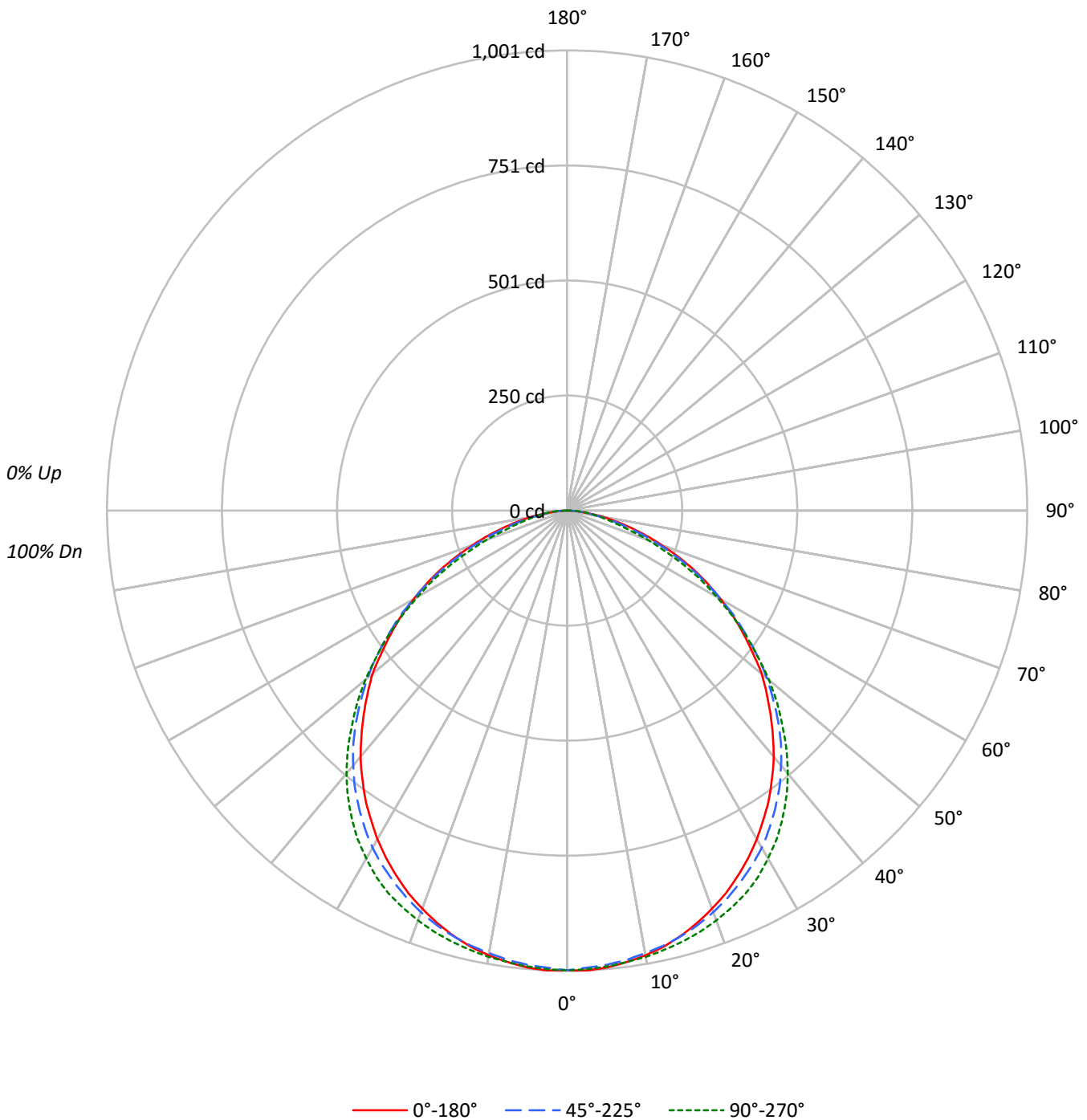
Input Watts (W): 24.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2691	2691	2691
5°	2695	2679	2688
10°	2684	2671	2693
15°	2667	2670	2703
20°	2639	2663	2717
25°	2605	2648	2729
30°	2564	2631	2716
35°	2516	2594	2684
40°	2456	2544	2623
45°	2380	2471	2520
50°	2315	2375	2399
55°	2198	2243	2231
60°	2080	2080	2022
65°	1931	1885	1779
70°	1712	1637	1478
75°	1484	1347	1137
80°	1216	1051	1032
85°	809	954	1028



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.5	3.6
10°-20°	271.4	10.2
20°-30°	412.5	15.5
30°-40°	493.9	18.6
40°-50°	498.2	18.7
50°-60°	424.3	16.0
60°-70°	290.1	10.9
70°-80°	138.9	5.2
80°-90°	35.2	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°	778.4	29.3
0°-40°	1272.3	47.8
0°-60°	2194.7	82.5
0°-90°	2659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2659.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	998	996	992	996	995	95
15°	957	955	958	969	970	270
25°	878	879	892	912	919	404
35°	766	768	790	812	817	478
45°	625	630	649	662	662	483
55°	468	471	478	479	476	419
65°	303	297	296	285	279	299
75°	143	140	130	113	109	152
85°	26	28	31	32	33	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1000.0	1000.0	1000.0	1000.0	1000.0
2.5°	1001.2	1000.0	995.2	1000.0	998.8
5°	997.6	996.4	991.7	996.4	995.2
7.5°	990.5	989.3	985.7	990.5	990.5
10°	982.2	979.8	977.4	984.5	985.7
12.5°	971.5	969.1	969.1	977.4	978.6
15°	957.2	954.8	958.4	969.1	970.3
17.5°	940.5	939.4	945.3	958.4	960.8
20°	921.5	920.3	929.8	945.3	948.9
22.5°	901.3	901.3	912.0	929.8	934.6
25°	877.5	878.7	891.8	912.0	919.1
27.5°	852.6	854.9	870.4	893.0	898.9
30°	825.2	828.8	846.6	868.0	874.0
32.5°	795.5	799.0	819.3	841.9	847.8
35°	765.8	768.1	789.5	812.1	816.9
37.5°	732.5	736.0	758.6	778.8	783.6
40°	699.2	702.7	724.1	743.2	746.7
42.5°	662.3	667.1	688.5	703.9	706.3
45°	625.4	630.2	649.2	662.3	662.3
47.5°	588.6	591.0	607.6	620.7	619.5
50°	552.9	551.7	567.2	573.1	573.1
52.5°	508.9	512.5	523.2	526.8	523.2
55°	468.5	470.9	478.0	479.2	475.6
57.5°	429.3	428.1	434.0	430.4	425.7
60°	386.4	386.4	386.4	382.9	375.7
62.5°	344.8	342.4	341.3	332.9	329.4
65°	303.2	297.3	296.1	285.4	279.4
67.5°	259.2	256.8	250.9	240.2	229.5
70°	217.6	215.2	208.1	195.0	187.9
72.5°	179.5	177.2	167.7	152.2	142.7
75°	142.7	140.3	129.6	113.0	109.4
77.5°	108.2	107.0	96.3	88.0	86.8
80°	78.5	77.3	67.8	67.8	66.6
82.5°	49.9	49.9	47.6	48.8	49.9
85°	26.2	28.5	30.9	32.1	33.3
87.5°	8.3	13.1	15.5	16.6	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)