

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: P297766

Luminaire Tested: **D3X-WG-26L93050-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297766  
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-26L93050-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2325.0 lumens  
Efficiency: N/A  
Efficacy: 94.9 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

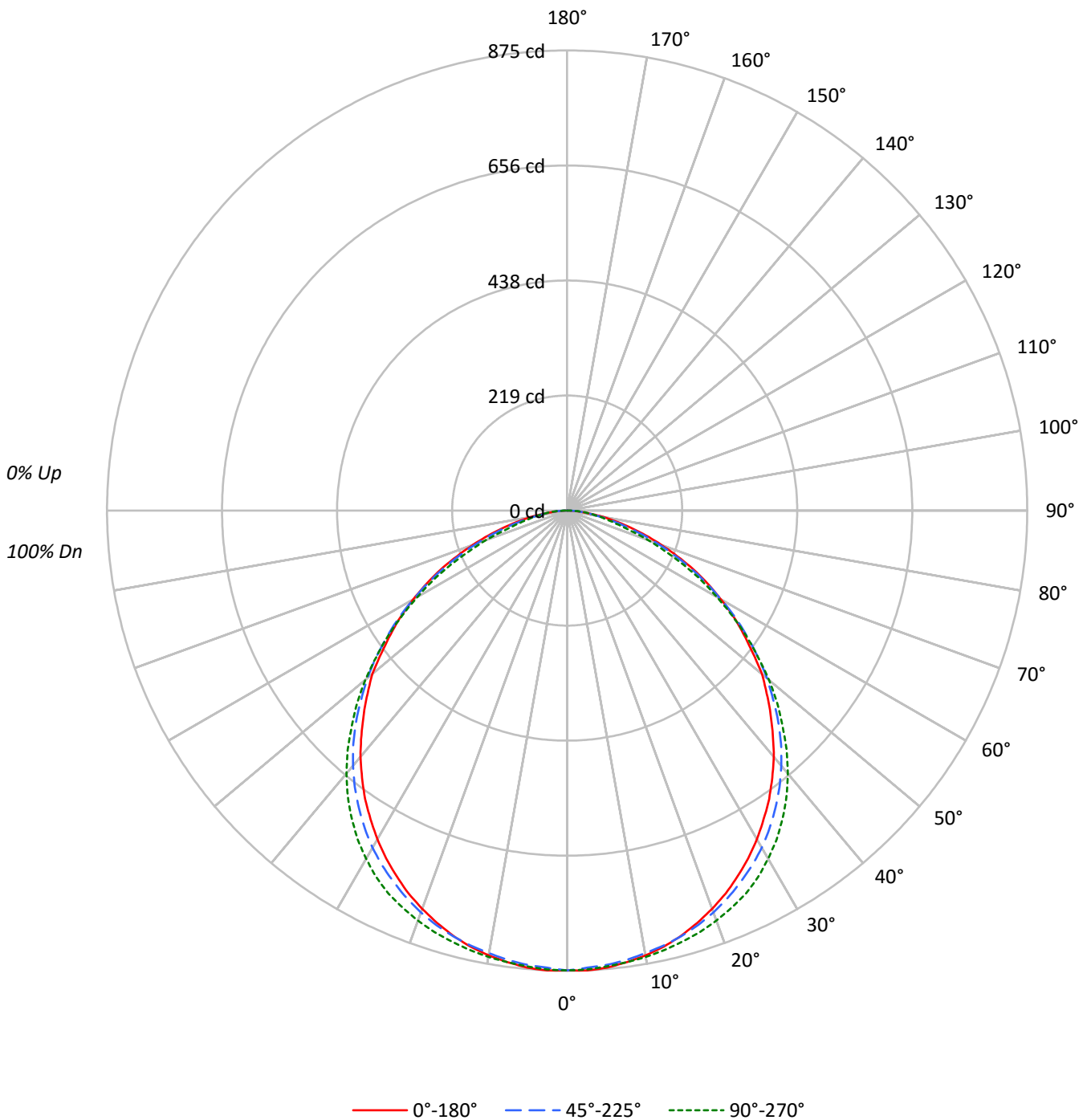
Input Watts (W): 24.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2353	2353	2353
5°	2356	2342	2351
10°	2347	2335	2355
15°	2332	2335	2364
20°	2308	2328	2376
25°	2278	2315	2386
30°	2242	2300	2375
35°	2200	2268	2347
40°	2147	2224	2294
45°	2081	2160	2204
50°	2024	2076	2098
55°	1922	1961	1951
60°	1819	1819	1768
65°	1688	1649	1556
70°	1497	1431	1293
75°	1298	1178	995
80°	1063	919	902
85°	707	834	898



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.7	3.6
10°-20°	237.3	10.2
20°-30°	360.7	15.5
30°-40°	431.8	18.6
40°-50°	435.6	18.7
50°-60°	371.0	16.0
60°-70°	253.7	10.9
70°-80°	121.5	5.2
80°-90°	30.8	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°	680.7	29.3
0°-40°	1112.5	47.8
0°-60°	1919.1	82.5
0°-90°	2325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2325.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	872	871	867	871	870	83
15°	837	835	838	847	848	236
25°	767	768	780	798	804	353
35°	670	672	690	710	714	418
45°	547	551	568	579	579	422
55°	410	412	418	419	416	367
65°	265	260	259	250	244	261
75°	125	123	113	99	96	133
85°	23	25	27	28	29	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	874.4	874.4	874.4	874.4	874.4
2.5°	875.4	874.4	870.2	874.4	873.3
5°	872.3	871.3	867.1	871.3	870.2
7.5°	866.1	865.0	861.9	866.1	866.1
10°	858.8	856.7	854.6	860.9	861.9
12.5°	849.4	847.4	847.4	854.6	855.7
15°	837.0	834.9	838.0	847.4	848.4
17.5°	822.4	821.4	826.6	838.0	840.1
20°	805.8	804.7	813.0	826.6	829.7
22.5°	788.1	788.1	797.5	813.0	817.2
25°	767.3	768.3	779.8	797.5	803.7
27.5°	745.5	747.5	761.1	780.8	786.0
30°	721.6	724.7	740.3	759.0	764.2
32.5°	695.6	698.7	716.4	736.1	741.3
35°	669.6	671.6	690.4	710.1	714.3
37.5°	640.5	643.6	663.3	681.0	685.2
40°	611.3	614.5	633.2	649.8	652.9
42.5°	579.1	583.3	602.0	615.5	617.6
45°	546.9	551.0	567.7	579.1	579.1
47.5°	514.7	516.7	531.3	542.7	541.7
50°	483.5	482.4	495.9	501.1	501.1
52.5°	445.0	448.1	457.5	460.6	457.5
55°	409.6	411.7	418.0	419.0	415.9
57.5°	375.3	374.3	379.5	376.4	372.2
60°	337.9	337.9	337.9	334.8	328.5
62.5°	301.5	299.4	298.4	291.1	288.0
65°	265.1	259.9	258.9	249.5	244.3
67.5°	226.7	224.6	219.4	210.0	200.7
70°	190.3	188.2	181.9	170.5	164.3
72.5°	157.0	154.9	146.6	133.1	124.8
75°	124.8	122.7	113.3	98.8	95.7
77.5°	94.6	93.6	84.2	76.9	75.9
80°	68.6	67.6	59.3	59.3	58.2
82.5°	43.7	43.7	41.6	42.6	43.7
85°	22.9	25.0	27.0	28.1	29.1
87.5°	7.3	11.4	13.5	14.6	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)