

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: P298396

Luminaire Tested: **D3X-WO-25L93050-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-25L93050-LD5-UNV-22-T1-W2A-4000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2263.0 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

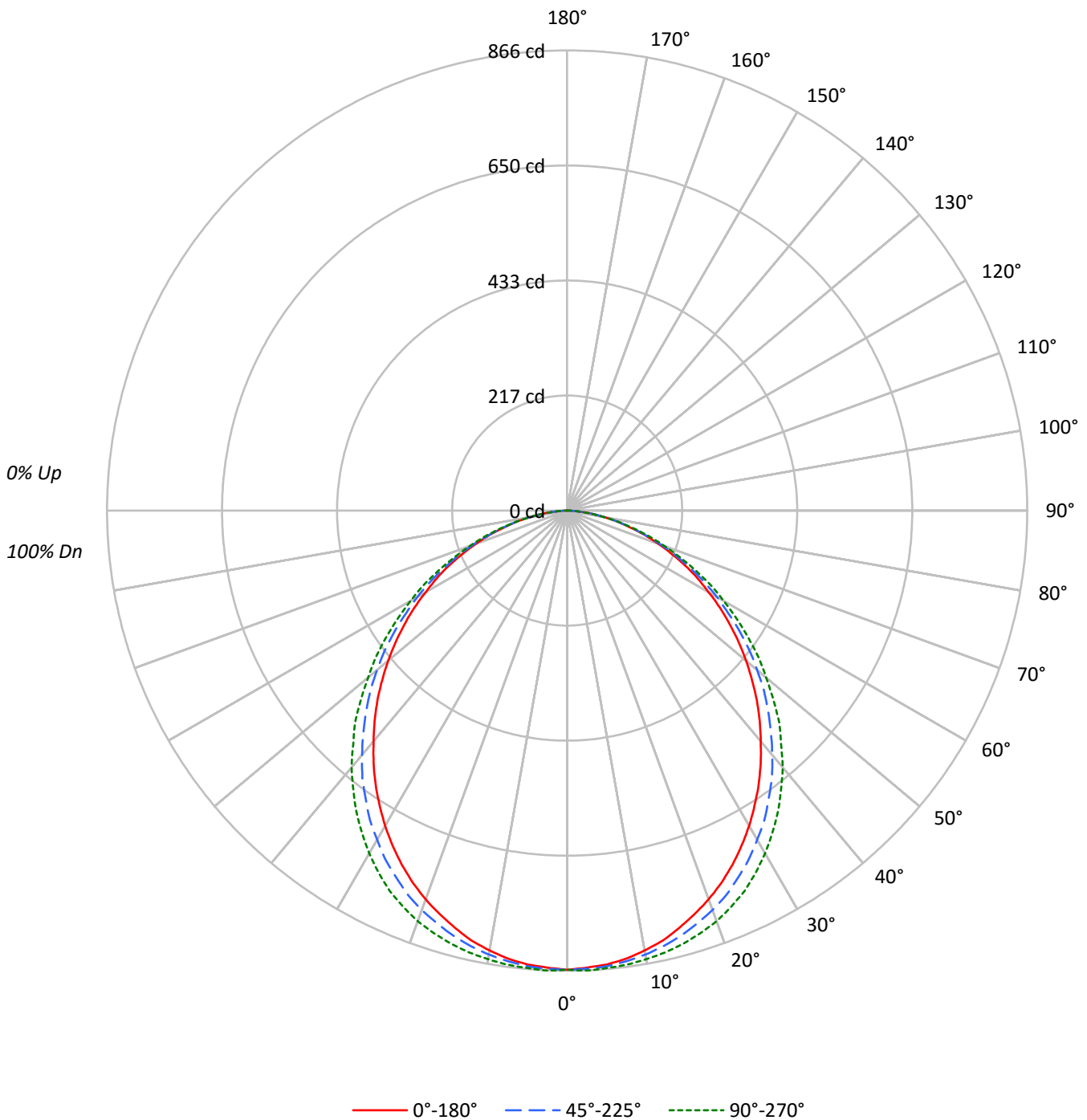
Input Watts (W): 19.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	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°	2326	2326	2326
5°	2316	2325	2334
10°	2297	2318	2343
15°	2266	2307	2351
20°	2230	2291	2355
25°	2185	2262	2345
30°	2129	2223	2314
35°	2065	2173	2273
40°	1991	2110	2217
45°	1921	2037	2148
50°	1840	1953	2047
55°	1755	1861	1951
60°	1655	1752	1831
65°	1564	1621	1700
70°	1436	1481	1533
75°	1277	1312	1347
80°	1100	1083	1083
85°	834	766	695



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.8	3.6
10°-20°	233.7	10.3
20°-30°	350.8	15.5
30°-40°	412.9	18.2
40°-50°	411.9	18.2
50°-60°	353.4	15.6
60°-70°	253.1	11.2
70°-80°	134.1	5.9
80°-90°	31.4	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°	666.3	29.4
0°-40°	1079.2	47.7
0°-60°	1844.5	81.5
0°-90°	2263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2263.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	858	858	861	863	864	81
15°	814	817	828	839	844	229
25°	736	742	762	781	790	339
35°	629	637	661	684	692	393
45°	505	513	535	554	564	389
55°	374	380	397	410	416	334
65°	246	247	255	265	267	243
75°	123	123	126	128	130	132
85°	27	26	25	22	22	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	864.2	864.2	864.2	864.2	864.2
2.5°	860.8	860.8	863.1	865.3	866.5
5°	857.5	857.5	860.8	863.1	864.2
7.5°	850.7	850.7	855.2	859.7	862.0
10°	840.6	842.8	848.4	855.2	857.5
12.5°	829.3	831.5	839.4	848.4	851.8
15°	813.5	816.9	828.2	839.4	843.9
17.5°	796.6	801.1	814.6	828.2	833.8
20°	778.6	783.1	800.0	815.8	822.5
22.5°	758.3	763.9	783.1	800.0	806.8
25°	735.8	742.5	761.7	780.8	789.9
27.5°	711.0	718.9	740.3	760.6	768.4
30°	685.1	694.1	715.5	736.9	744.8
32.5°	656.9	664.8	690.7	711.0	718.9
35°	628.7	636.6	661.4	683.9	691.8
37.5°	598.3	608.4	633.2	653.5	661.4
40°	566.8	576.9	600.6	624.2	631.0
42.5°	536.3	545.3	567.9	589.3	596.1
45°	504.8	512.7	535.2	554.4	564.5
47.5°	472.1	480.0	502.5	520.6	526.2
50°	439.4	447.3	466.5	482.3	489.0
52.5°	406.8	414.6	432.7	447.3	454.1
55°	374.1	379.7	396.6	410.1	415.8
57.5°	341.4	345.9	359.4	374.1	377.5
60°	307.6	313.2	325.6	335.8	340.3
62.5°	277.2	279.4	290.7	299.7	305.3
65°	245.6	246.8	254.6	264.8	267.0
67.5°	213.0	214.1	222.0	227.6	229.9
70°	182.5	182.5	188.2	192.7	194.9
72.5°	153.2	152.1	155.5	160.0	162.3
75°	122.8	122.8	126.2	128.4	129.6
77.5°	96.9	94.6	96.9	99.2	99.2
80°	71.0	69.9	69.9	71.0	69.9
82.5°	48.5	47.3	48.5	46.2	45.1
85°	27.0	25.9	24.8	22.5	22.5
87.5°	9.0	7.9	7.9	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)