

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: P296918

Luminaire Tested: **D3X-WD-42L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296918  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-42L92765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3223.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

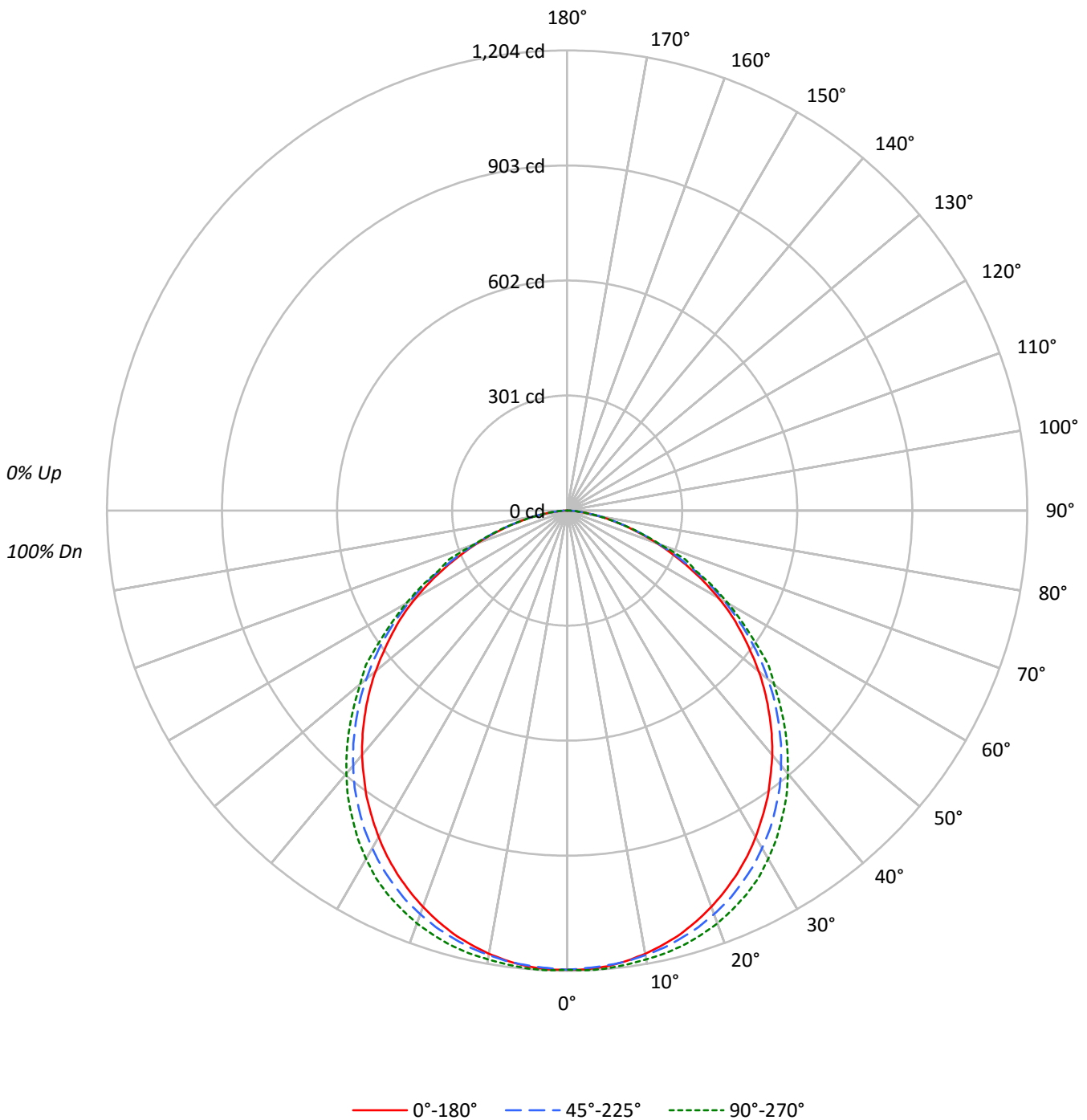
Input Watts (W): 28.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1617	1617	1617
5°	1617	1613	1624
10°	1608	1613	1629
15°	1598	1612	1640
20°	1580	1609	1646
25°	1559	1600	1646
30°	1533	1585	1635
35°	1502	1561	1611
40°	1466	1529	1578
45°	1421	1487	1534
50°	1370	1436	1479
55°	1308	1367	1408
60°	1232	1279	1310
65°	1119	1156	1178
70°	983	1006	1019
75°	830	842	848
80°	663	672	654
85°	446	465	446



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.9	3.5
10°-20°	327.5	10.2
20°-30°	496.8	15.4
30°-40°	593.2	18.4
40°-50°	600.5	18.6
50°-60°	519.1	16.1
60°-70°	359.8	11.2
70°-80°	174.1	5.4
80°-90°	38.3	1.2
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°	938.2	29.1
0°-40°	1531.3	47.5
0°-60°	2650.9	82.2
0°-90°	3223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3223.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1202	1202	1202	1202	1202	
5°	1197	1196	1195	1200	1203	114
15°	1147	1150	1158	1171	1177	323
25°	1050	1057	1078	1100	1109	484
35°	915	923	951	975	981	571
45°	747	757	782	801	806	576
55°	557	563	583	607	600	498
65°	352	355	363	369	370	348
75°	160	161	162	161	163	171
85°	29	31	30	29	29	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1201.5	1201.5	1201.5	1201.5	1201.5
2.5°	1201.5	1200.4	1198.0	1201.5	1203.8
5°	1196.9	1195.7	1194.6	1200.4	1202.7
7.5°	1188.8	1188.8	1189.9	1195.7	1198.0
10°	1177.2	1178.4	1180.7	1189.9	1192.3
12.5°	1163.3	1165.7	1171.4	1181.9	1186.5
15°	1147.2	1149.5	1157.6	1171.4	1177.2
17.5°	1126.3	1131.0	1142.5	1158.7	1164.5
20°	1103.2	1109.0	1124.0	1142.5	1149.5
22.5°	1077.8	1083.6	1103.2	1122.9	1129.8
25°	1050.0	1057.0	1077.8	1099.7	1109.0
27.5°	1020.0	1028.0	1051.2	1074.3	1083.6
30°	986.4	995.7	1020.0	1044.2	1052.3
32.5°	950.6	959.8	987.6	1010.7	1018.8
35°	914.7	922.8	950.6	974.9	980.6
37.5°	874.2	883.5	913.6	934.4	942.5
40°	834.9	844.2	870.8	891.6	898.5
42.5°	792.1	801.4	828.0	847.6	853.4
45°	747.0	757.4	781.7	801.4	806.0
47.5°	701.9	710.0	735.5	752.8	756.3
50°	654.5	662.6	685.8	703.1	706.6
52.5°	604.8	617.5	636.0	648.7	663.8
55°	557.4	563.2	582.8	607.1	600.2
57.5°	510.0	513.4	529.6	540.0	542.4
60°	457.9	462.6	475.3	481.1	486.8
62.5°	403.6	407.1	422.1	427.9	430.2
65°	351.5	355.0	363.1	368.9	370.1
67.5°	298.4	301.8	308.8	313.4	334.2
70°	249.8	252.1	255.6	264.8	259.0
72.5°	203.5	204.7	208.2	208.2	209.3
75°	159.6	160.7	161.9	160.7	163.1
77.5°	119.1	121.4	122.6	121.4	120.3
80°	85.6	87.9	86.7	84.4	84.4
82.5°	55.5	56.7	55.5	54.4	54.4
85°	28.9	31.2	30.1	28.9	28.9
87.5°	10.4	11.6	12.7	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)