

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: P297478

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297478  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-42L92765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3434.0 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

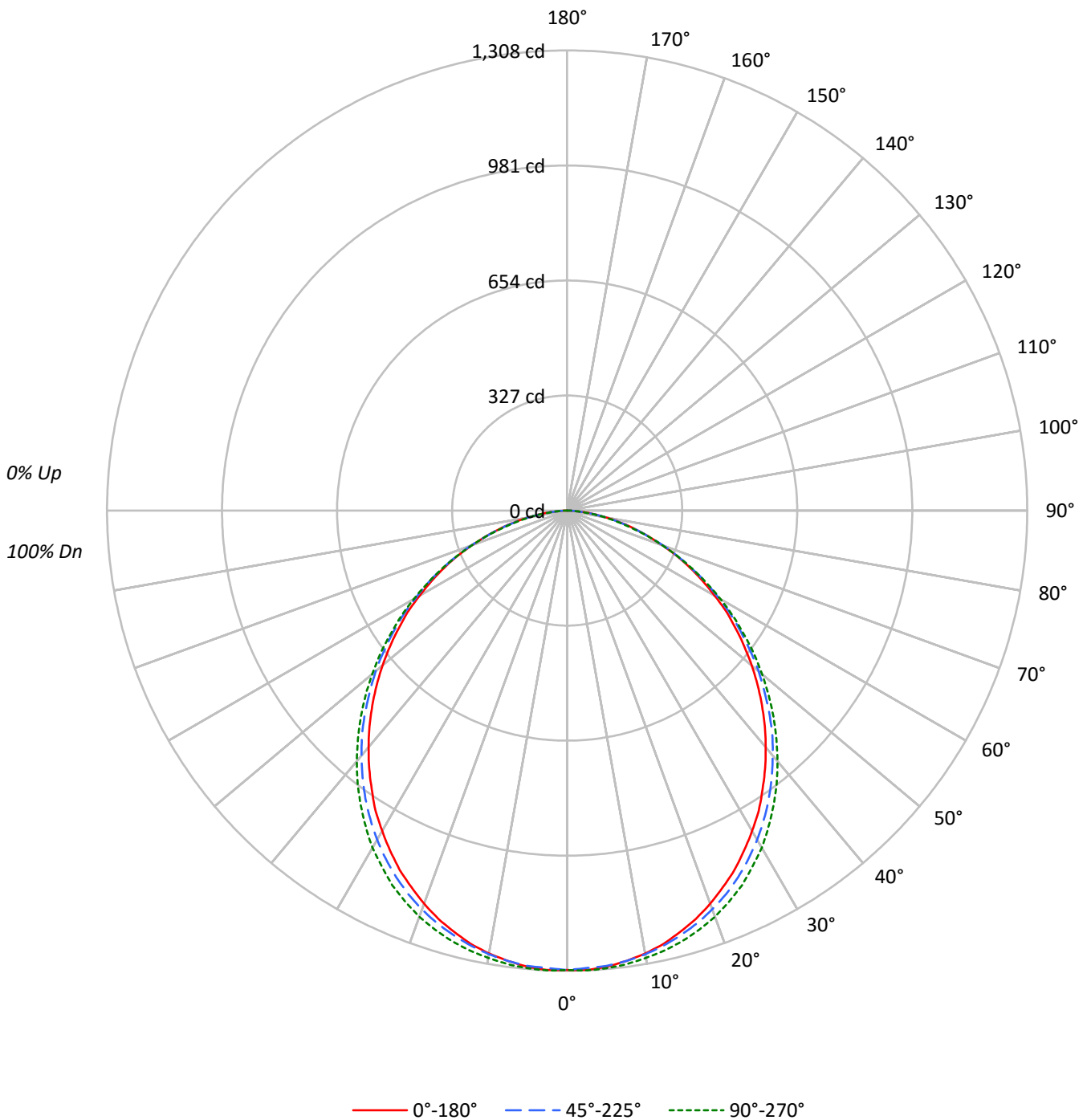
Input Watts (W): 28.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	1757	1757	1757
5°	1758	1755	1764
10°	1746	1750	1764
15°	1727	1740	1764
20°	1703	1728	1759
25°	1673	1707	1745
30°	1634	1679	1720
35°	1590	1642	1680
40°	1542	1597	1634
45°	1490	1545	1578
50°	1433	1487	1513
55°	1373	1416	1438
60°	1304	1338	1354
65°	1230	1249	1256
70°	1129	1142	1129
75°	1016	1010	980
80°	861	852	824
85°	642	625	554



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.7	3.6
10°-20°	353.2	10.3
20°-30°	529.6	15.4
30°-40°	623.7	18.2
40°-50°	623.8	18.2
50°-60°	538.2	15.7
60°-70°	387.3	11.3
70°-80°	205.4	6.0
80°-90°	49.0	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°	1006.5	29.3
0°-40°	1630.2	47.5
0°-60°	2792.3	81.3
0°-90°	3434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3434.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1301	1300	1299	1304	1306	123
15°	1240	1244	1249	1262	1267	350
25°	1127	1134	1150	1170	1175	518
35°	968	980	1000	1017	1023	606
45°	783	794	812	826	829	604
55°	585	591	604	614	613	524
65°	386	388	392	394	394	382
75°	196	193	194	190	189	208
85°	42	42	40	37	36	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1306.0	1306.0	1306.0	1306.0	1306.0
2.5°	1307.2	1304.9	1301.4	1306.0	1308.3
5°	1301.4	1300.2	1299.1	1303.7	1306.0
7.5°	1291.0	1292.1	1291.0	1297.9	1300.2
10°	1278.3	1279.4	1280.6	1288.7	1291.0
12.5°	1262.1	1263.2	1266.7	1277.1	1280.6
15°	1240.1	1243.5	1249.3	1262.1	1266.7
17.5°	1216.9	1221.6	1229.7	1244.7	1249.3
20°	1189.2	1195.0	1206.5	1222.7	1228.5
22.5°	1157.9	1163.7	1179.9	1197.3	1203.1
25°	1126.7	1133.7	1149.8	1169.5	1175.3
27.5°	1089.7	1098.9	1116.3	1136.0	1140.6
30°	1051.5	1059.6	1080.4	1098.9	1107.0
32.5°	1013.3	1021.4	1041.1	1059.6	1065.4
35°	968.2	979.8	999.5	1016.8	1022.6
37.5°	924.3	934.7	955.5	972.9	978.6
40°	878.0	887.3	909.2	925.4	930.1
42.5°	831.7	841.0	863.0	875.7	880.3
45°	783.1	793.6	812.1	825.9	829.4
47.5°	734.6	742.7	760.0	772.7	777.4
50°	684.8	692.9	710.3	720.7	723.0
52.5°	635.1	640.9	657.1	666.3	669.8
55°	585.3	591.1	603.8	614.3	613.1
57.5°	537.9	540.2	552.9	559.9	559.9
60°	484.7	487.0	497.4	502.0	503.2
62.5°	435.0	438.4	446.5	447.7	447.7
65°	386.4	387.5	392.2	394.5	394.5
67.5°	337.8	336.6	341.3	341.3	340.1
70°	286.9	289.2	290.4	288.0	286.9
72.5°	240.6	239.5	239.5	238.3	238.3
75°	195.5	193.2	194.3	189.7	188.6
77.5°	153.9	150.4	149.2	146.9	144.6
80°	111.1	111.1	109.9	107.6	106.4
82.5°	74.0	74.0	72.9	70.6	68.3
85°	41.6	41.6	40.5	37.0	35.9
87.5°	13.9	13.9	13.9	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)