

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: P298300

Luminaire Tested: **D3X-WG-44L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298300  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-4500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3728.0 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

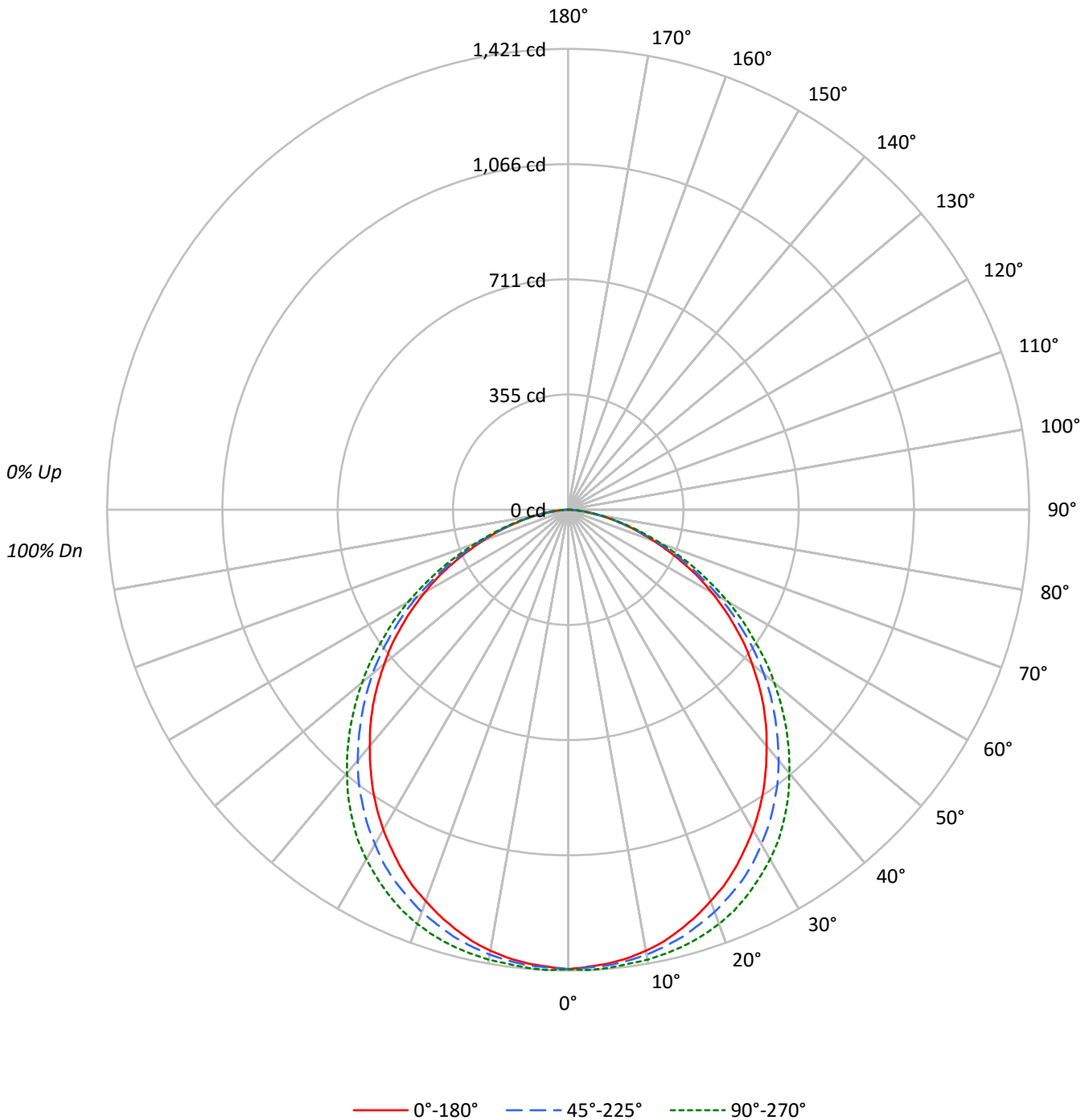
Input Watts (W): 36.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P298300

CATALOG NUMBER: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-4500K

### Luminous Intensity Polar Plot





TEST NUMBER: P298300

CATALOG NUMBER: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-4500K

**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	86	80	97	90	84	79	87	82	77	83	79	76	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	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	3812	3812	3812
5°	3795	3811	3832
10°	3774	3806	3850
15°	3732	3798	3875
20°	3678	3779	3893
25°	3619	3754	3889
30°	3541	3701	3867
35°	3452	3634	3816
40°	3343	3545	3726
45°	3238	3426	3615
50°	3098	3297	3471
55°	2943	3110	3277
60°	2747	2897	3067
65°	2507	2621	2772
70°	2195	2289	2382
75°	1873	1913	1995
80°	1503	1533	1564
85°	1099	1037	979



TEST NUMBER: P298300

CATALOG NUMBER: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-4500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.1	3.6
10°-20°	384.9	10.3
20°-30°	581.8	15.6
30°-40°	691.1	18.5
40°-50°	693.8	18.6
50°-60°	592.7	15.9
60°-70°	408.3	11.0
70°-80°	198.0	5.3
80°-90°	43.3	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°	1100.8	29.5
0°-40°	1791.9	48.1
0°-60°	3078.4	82.6
0°-90°	3728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3728.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1417	1417	1417	1417	1417	
5°	1405	1405	1411	1415	1419	133
15°	1340	1346	1363	1381	1391	378
25°	1219	1229	1264	1298	1310	561
35°	1051	1066	1106	1148	1162	656
45°	851	863	900	938	950	655
55°	627	637	663	691	698	561
65°	394	394	412	429	435	390
75°	180	176	184	188	192	193
85°	36	36	34	32	32	43
90°	0	0	0	0	0	



TEST NUMBER: P298300

CATALOG NUMBER: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-4500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1416.7	1416.7	1416.7	1416.7	1416.7
2.5°	1410.8	1410.8	1412.8	1418.7	1420.7
5°	1404.9	1404.9	1410.8	1414.7	1418.7
7.5°	1395.0	1396.9	1402.9	1410.8	1412.8
10°	1381.1	1383.1	1393.0	1402.9	1408.8
12.5°	1363.3	1367.3	1379.1	1395.0	1400.9
15°	1339.6	1345.5	1363.3	1381.1	1391.0
17.5°	1313.8	1321.7	1341.5	1367.3	1377.2
20°	1284.2	1294.0	1319.8	1347.5	1359.3
22.5°	1254.5	1262.4	1292.1	1323.7	1337.6
25°	1218.9	1228.8	1264.4	1298.0	1309.9
27.5°	1179.3	1193.1	1230.7	1266.3	1278.2
30°	1139.7	1151.6	1191.2	1230.7	1244.6
32.5°	1096.2	1108.1	1151.6	1191.2	1207.0
35°	1050.7	1066.5	1106.1	1147.6	1161.5
37.5°	1001.2	1019.0	1060.6	1096.2	1114.0
40°	951.7	967.6	1009.1	1046.7	1060.6
42.5°	902.3	916.1	955.7	995.3	1007.1
45°	850.8	862.7	900.3	937.9	949.8
47.5°	795.4	809.3	844.9	876.5	890.4
50°	740.0	753.9	787.5	817.2	829.1
52.5°	686.6	694.5	726.2	753.9	767.7
55°	627.2	637.1	662.9	690.6	698.5
57.5°	569.9	575.8	601.5	625.3	637.1
60°	510.5	514.5	538.2	556.0	569.9
62.5°	455.1	455.1	472.9	492.7	500.6
65°	393.8	393.8	411.6	429.4	435.3
67.5°	334.4	338.4	350.2	364.1	368.0
70°	279.0	279.0	290.9	300.8	302.7
72.5°	229.5	227.5	233.5	241.4	245.4
75°	180.1	176.1	184.0	188.0	191.9
77.5°	136.5	134.5	138.5	142.5	142.5
80°	97.0	95.0	98.9	98.9	100.9
82.5°	63.3	65.3	65.3	63.3	61.3
85°	35.6	35.6	33.6	31.7	31.7
87.5°	11.9	11.9	11.9	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)