

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: P298290

Luminaire Tested: **D3X-WG-40L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298290  
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-40L92765-LD5-UNV-22-T1-W2A-4000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3318.0 lumens  
Efficiency: N/A  
Efficacy: 102.1 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

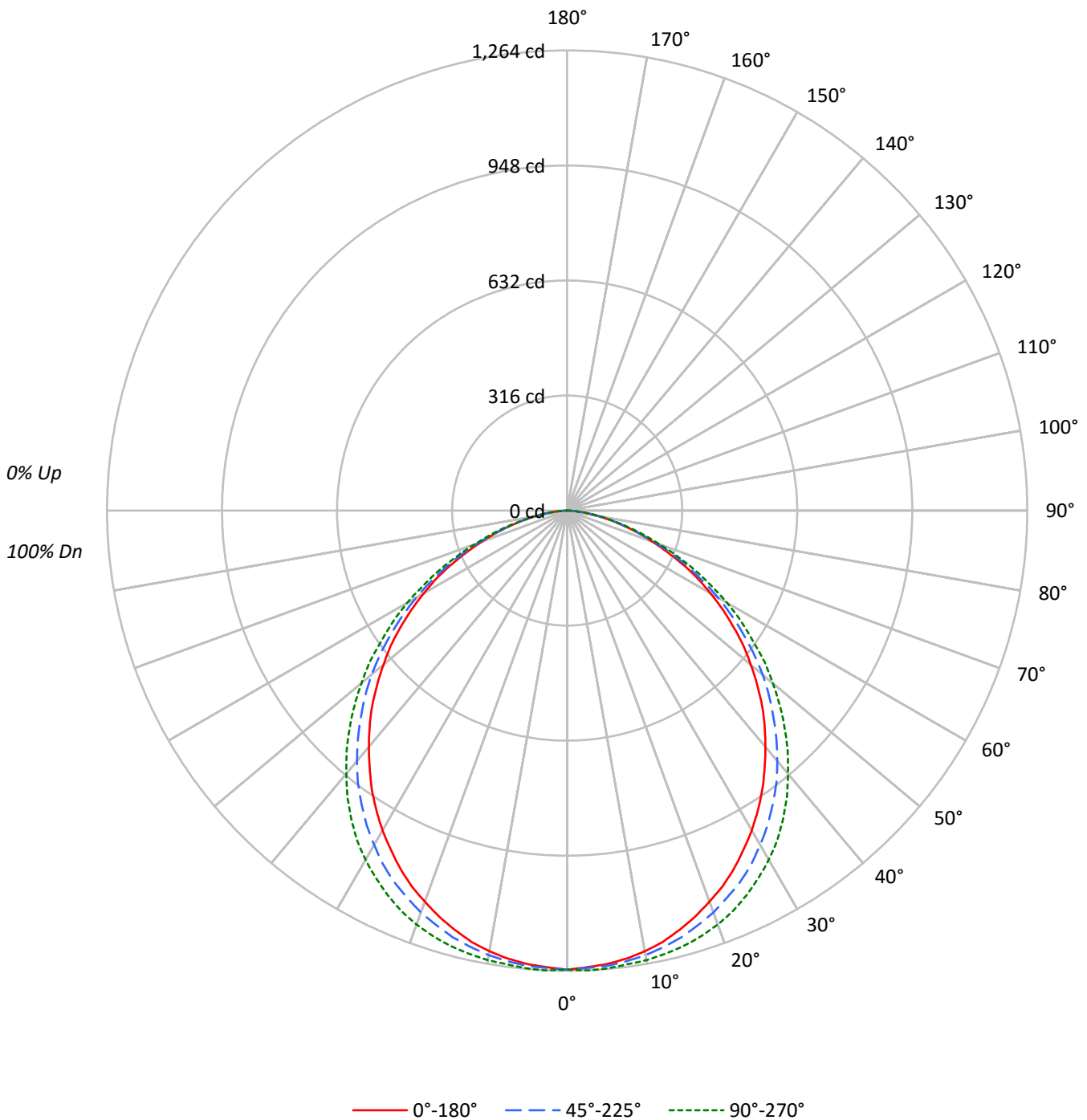
Input Watts (W): 32.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3393	3393	3393
5°	3377	3392	3411
10°	3359	3388	3426
15°	3321	3380	3449
20°	3273	3364	3464
25°	3221	3341	3461
30°	3152	3294	3442
35°	3072	3234	3396
40°	2976	3155	3316
45°	2882	3049	3217
50°	2757	2934	3089
55°	2619	2768	2917
60°	2446	2578	2730
65°	2232	2332	2467
70°	1954	2037	2120
75°	1667	1703	1776
80°	1337	1365	1392
85°	979	923	871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.4	3.6
10°-20°	342.5	10.3
20°-30°	517.9	15.6
30°-40°	615.1	18.5
40°-50°	617.5	18.6
50°-60°	527.5	15.9
60°-70°	363.4	11.0
70°-80°	176.2	5.3
80°-90°	38.6	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°	979.8	29.5
0°-40°	1594.8	48.1
0°-60°	2739.8	82.6
0°-90°	3318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1261	1261	1261	1261	1261	
5°	1250	1250	1256	1259	1263	119
15°	1192	1198	1213	1229	1238	336
25°	1085	1094	1125	1155	1166	499
35°	935	949	984	1021	1034	584
45°	757	768	801	835	845	583
55°	558	567	590	615	622	499
65°	350	350	366	382	387	347
75°	160	157	164	167	171	172
85°	32	32	30	28	28	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1260.9	1260.9	1260.9	1260.9	1260.9
2.5°	1255.6	1255.6	1257.4	1262.7	1264.4
5°	1250.3	1250.3	1255.6	1259.2	1262.7
7.5°	1241.5	1243.3	1248.6	1255.6	1257.4
10°	1229.2	1231.0	1239.8	1248.6	1253.9
12.5°	1213.4	1216.9	1227.5	1241.5	1246.8
15°	1192.2	1197.5	1213.4	1229.2	1238.0
17.5°	1169.3	1176.4	1194.0	1216.9	1225.7
20°	1142.9	1151.7	1174.6	1199.3	1209.8
22.5°	1116.5	1123.6	1150.0	1178.1	1190.5
25°	1084.8	1093.6	1125.3	1155.3	1165.8
27.5°	1049.6	1061.9	1095.4	1127.1	1137.6
30°	1014.4	1024.9	1060.2	1095.4	1107.7
32.5°	975.6	986.2	1024.9	1060.2	1074.2
35°	935.1	949.2	984.4	1021.4	1033.7
37.5°	891.1	906.9	943.9	975.6	991.5
40°	847.1	861.2	898.1	931.6	943.9
42.5°	803.0	815.4	850.6	885.8	896.4
45°	757.3	767.8	801.3	834.7	845.3
47.5°	707.9	720.3	752.0	780.1	792.5
50°	658.6	671.0	700.9	727.3	737.9
52.5°	611.1	618.1	646.3	671.0	683.3
55°	558.3	567.1	590.0	614.6	621.7
57.5°	507.2	512.5	535.4	556.5	567.1
60°	454.4	457.9	479.0	494.9	507.2
62.5°	405.0	405.0	420.9	438.5	445.5
65°	350.5	350.5	366.3	382.1	387.4
67.5°	297.6	301.1	311.7	324.0	327.6
70°	248.3	248.3	258.9	267.7	269.4
72.5°	204.3	202.5	207.8	214.8	218.4
75°	160.3	156.7	163.8	167.3	170.8
77.5°	121.5	119.8	123.3	126.8	126.8
80°	86.3	84.5	88.1	88.1	89.8
82.5°	56.4	58.1	58.1	56.4	54.6
85°	31.7	31.7	29.9	28.2	28.2
87.5°	10.6	10.6	10.6	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)