

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: P298448

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298448  
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-35L92765-LD5-UNV-22-T1-W2A-3500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3029.0 lumens  
Efficiency: N/A  
Efficacy: 108.2 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

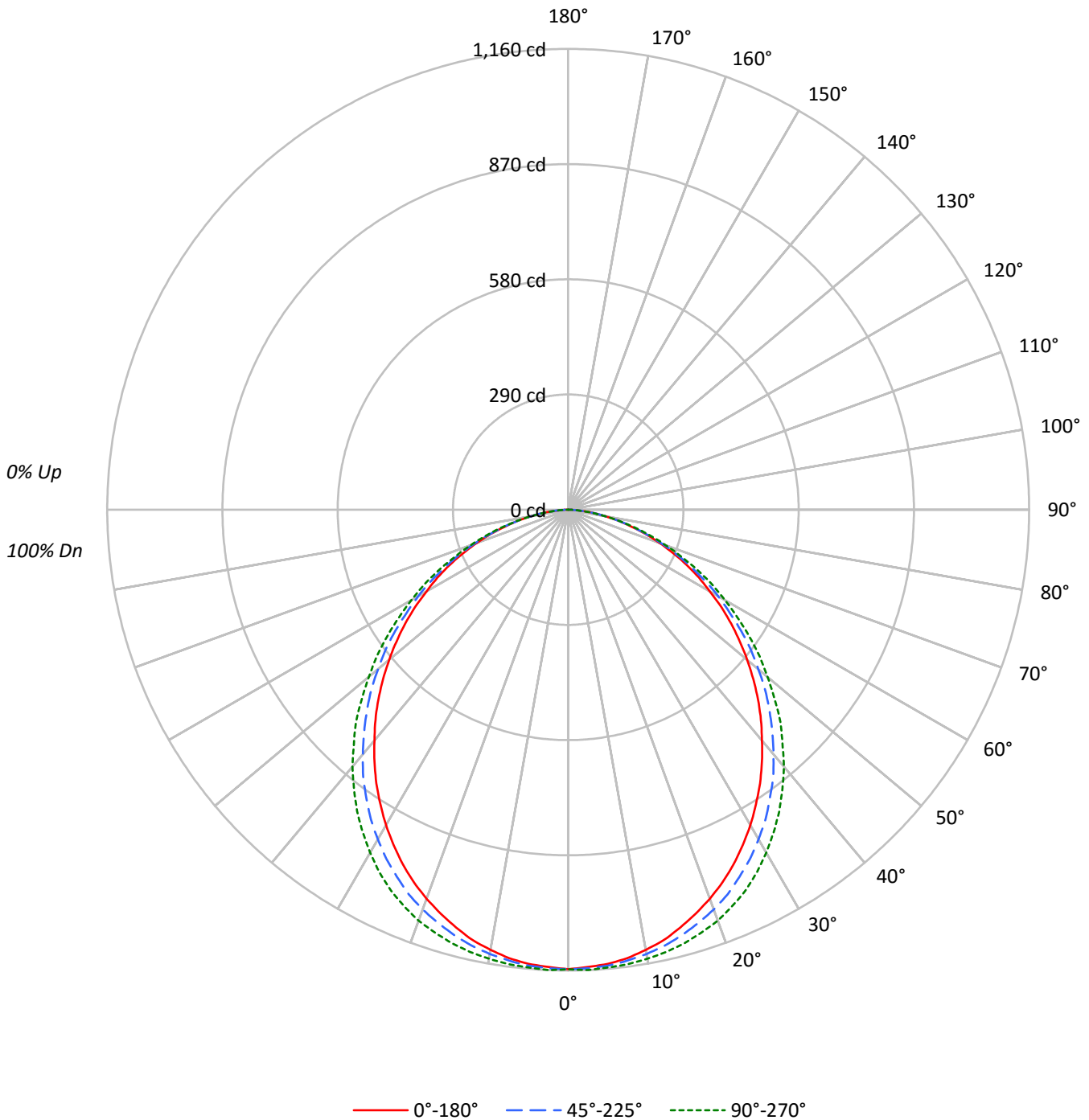
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27

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

	0°	45°	90°
0°	3113	3113	3113
5°	3100	3112	3125
10°	3074	3103	3136
15°	3034	3088	3147
20°	2984	3066	3153
25°	2924	3027	3139
30°	2849	2976	3098
35°	2764	2908	3042
40°	2665	2824	2967
45°	2571	2726	2876
50°	2462	2614	2740
55°	2349	2491	2611
60°	2216	2346	2451
65°	2094	2170	2276
70°	1922	1982	2053
75°	1709	1756	1803
80°	1472	1449	1449
85°	1118	1025	932



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	3.6
10°-20°	312.8	10.3
20°-30°	469.6	15.5
30°-40°	552.7	18.2
40°-50°	551.3	18.2
50°-60°	473.1	15.6
60°-70°	338.8	11.2
70°-80°	179.4	5.9
80°-90°	42.0	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°	891.8	29.4
0°-40°	1444.5	47.7
0°-60°	2468.8	81.5
0°-90°	3029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3029.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1148	1148	1152	1155	1157	109
15°	1089	1093	1108	1124	1130	307
25°	985	994	1020	1045	1057	453
35°	842	852	885	915	926	526
45°	676	686	716	742	756	521
55°	501	508	531	549	556	448
65°	329	330	341	354	357	325
75°	164	164	169	172	173	176
85°	36	35	33	30	30	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1156.7	1156.7	1156.7	1156.7	1156.7
2.5°	1152.2	1152.2	1155.2	1158.3	1159.8
5°	1147.7	1147.7	1152.2	1155.2	1156.7
7.5°	1138.7	1138.7	1144.7	1150.7	1153.7
10°	1125.1	1128.1	1135.6	1144.7	1147.7
12.5°	1110.0	1113.0	1123.6	1135.6	1140.2
15°	1088.9	1093.4	1108.5	1123.6	1129.6
17.5°	1066.3	1072.3	1090.4	1108.5	1116.0
20°	1042.1	1048.2	1070.8	1091.9	1100.9
22.5°	1015.0	1022.5	1048.2	1070.8	1079.8
25°	984.8	993.9	1019.5	1045.1	1057.2
27.5°	951.6	962.2	990.9	1018.0	1028.6
30°	917.0	929.0	957.7	986.3	996.9
32.5°	879.2	889.8	924.5	951.6	962.2
35°	841.5	852.1	885.3	915.4	926.0
37.5°	800.8	814.4	847.6	874.7	885.3
40°	758.6	772.2	803.8	835.5	844.6
42.5°	717.9	729.9	760.1	788.8	797.8
45°	675.6	686.2	716.4	742.0	755.6
47.5°	631.9	642.5	672.6	696.8	704.3
50°	588.2	598.7	624.4	645.5	654.5
52.5°	544.4	555.0	579.1	598.7	607.8
55°	500.7	508.2	530.9	549.0	556.5
57.5°	457.0	463.0	481.1	500.7	505.2
60°	411.7	419.3	435.9	449.4	455.5
62.5°	371.0	374.0	389.1	401.2	408.7
65°	328.8	330.3	340.8	354.4	357.4
67.5°	285.0	286.5	297.1	304.6	307.7
70°	244.3	244.3	251.9	257.9	260.9
72.5°	205.1	203.6	208.1	214.2	217.2
75°	164.4	164.4	168.9	171.9	173.4
77.5°	129.7	126.7	129.7	132.7	132.7
80°	95.0	93.5	93.5	95.0	93.5
82.5°	64.9	63.3	64.9	61.8	60.3
85°	36.2	34.7	33.2	30.2	30.2
87.5°	12.1	10.6	10.6	12.1	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)