

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: P297197

Luminaire Tested: **D3X-WG-42L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-42L92765-LD5-UNV-24-T1-W2A-2700K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3105.0 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

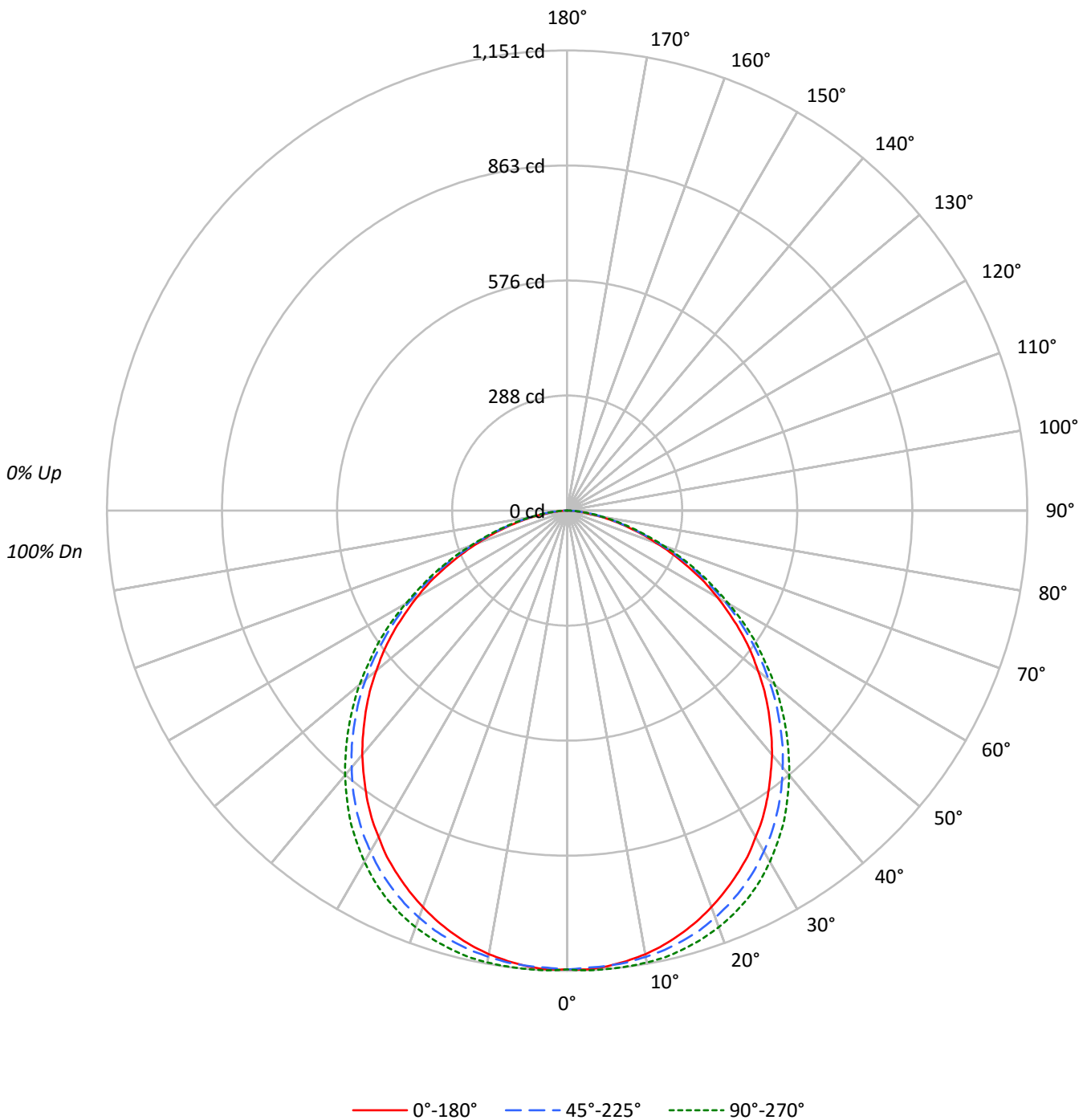
Input Watts (W): 29  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

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

	0°	45°	90°
0°	1544	1544	1544
5°	1546	1544	1555
10°	1539	1549	1568
15°	1528	1552	1580
20°	1511	1551	1588
25°	1491	1544	1589
30°	1465	1529	1576
35°	1436	1507	1555
40°	1401	1473	1518
45°	1357	1431	1473
50°	1304	1378	1420
55°	1247	1310	1352
60°	1167	1227	1257
65°	1066	1123	1151
70°	936	985	1011
75°	792	833	861
80°	629	690	707
85°	429	516	499



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.1	3.5
10°-20°	314.9	10.1
20°-30°	478.5	15.4
30°-40°	571.0	18.4
40°-50°	576.7	18.6
50°-60°	496.9	16.0
60°-70°	346.4	11.2
70°-80°	171.6	5.5
80°-90°	40.0	1.3
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°	902.5	29.1
0°-40°	1473.4	47.5
0°-60°	2547.0	82.0
0°-90°	3105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3105.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1144	1143	1143	1149	1151	109
15°	1097	1102	1114	1129	1134	309
25°	1004	1018	1040	1061	1070	463
35°	874	889	918	939	946	546
45°	713	728	752	770	774	550
55°	532	543	558	572	576	474
65°	335	342	353	356	362	332
75°	152	155	160	164	166	164
85°	28	33	33	31	32	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1147.9	1147.9	1147.9	1147.9	1147.9
2.5°	1149.0	1146.7	1144.5	1149.0	1151.2
5°	1144.5	1143.4	1143.4	1149.0	1151.2
7.5°	1136.7	1136.7	1140.1	1147.9	1150.1
10°	1126.7	1128.9	1133.4	1144.5	1147.9
12.5°	1113.4	1117.8	1125.6	1139.0	1143.4
15°	1096.7	1102.3	1114.5	1128.9	1134.5
17.5°	1077.8	1085.6	1101.1	1117.8	1123.4
20°	1055.5	1065.5	1083.3	1102.3	1108.9
22.5°	1031.1	1043.3	1063.3	1083.3	1091.1
25°	1004.4	1017.7	1040.0	1061.1	1070.0
27.5°	976.6	989.9	1014.4	1035.5	1044.4
30°	943.2	958.8	984.4	1006.6	1014.4
32.5°	910.9	926.5	953.2	973.2	981.0
35°	874.2	888.7	917.6	938.7	946.5
37.5°	835.3	852.0	879.8	898.7	905.4
40°	797.5	812.0	838.6	857.6	864.2
42.5°	755.2	770.8	797.5	814.2	819.7
45°	713.0	728.5	751.9	769.7	774.1
47.5°	669.6	684.0	707.4	721.9	726.3
50°	622.9	636.2	658.5	672.9	678.5
52.5°	578.4	590.6	609.5	621.8	625.1
55°	531.7	542.8	558.4	571.7	576.2
57.5°	481.6	493.8	508.3	519.4	522.8
60°	433.8	443.8	456.0	466.0	467.1
62.5°	387.1	391.5	402.6	411.5	412.6
65°	334.8	341.5	352.6	355.9	361.5
67.5°	287.0	291.4	300.3	304.8	309.2
70°	238.0	241.4	250.3	255.8	256.9
72.5°	195.8	196.9	203.5	208.0	209.1
75°	152.4	154.6	160.2	163.5	165.7
77.5°	115.7	117.9	122.3	124.6	124.6
80°	81.2	84.5	89.0	90.1	91.2
82.5°	52.3	56.7	60.1	61.2	58.9
85°	27.8	33.4	33.4	31.1	32.3
87.5°	10.0	12.2	13.3	14.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)