

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: P297200

Luminaire Tested: **D3X-WG-42L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297200  
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-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3500.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 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

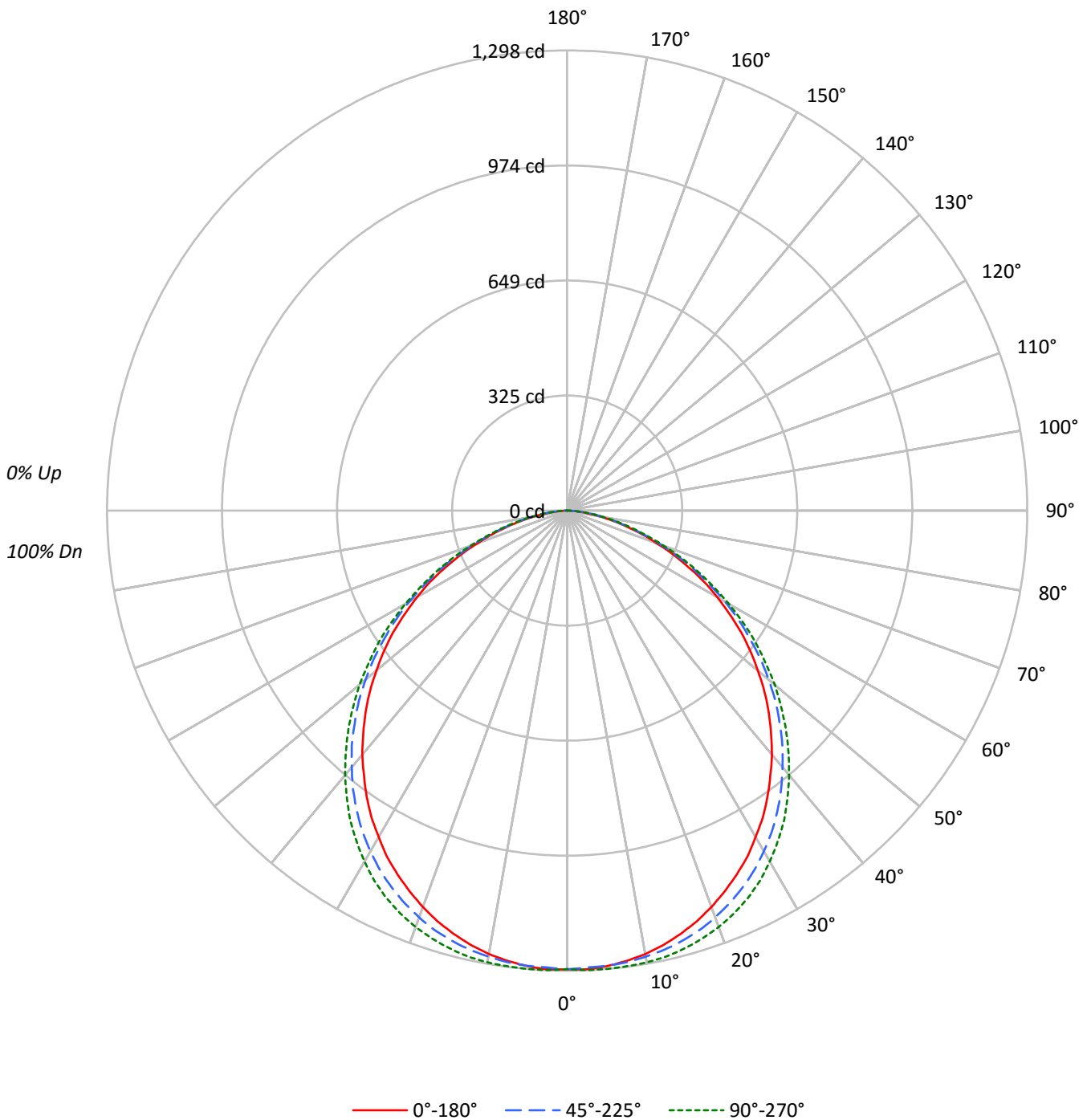
Input Watts (W): 29.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1741	1741	1741
5°	1742	1741	1753
10°	1735	1746	1768
15°	1722	1750	1781
20°	1704	1749	1790
25°	1681	1740	1791
30°	1652	1724	1776
35°	1619	1699	1752
40°	1579	1660	1711
45°	1529	1613	1660
50°	1470	1554	1601
55°	1406	1476	1523
60°	1316	1383	1417
65°	1202	1265	1297
70°	1055	1110	1139
75°	893	938	971
80°	709	777	797
85°	483	580	562



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.9	3.5
10°-20°	354.9	10.1
20°-30°	539.4	15.4
30°-40°	643.6	18.4
40°-50°	650.0	18.6
50°-60°	560.0	16.0
60°-70°	390.4	11.2
70°-80°	193.5	5.5
80°-90°	45.1	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°	1017.3	29.1
0°-40°	1660.9	47.5
0°-60°	2871.0	82.0
0°-90°	3500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1290	1289	1289	1295	1298	122
15°	1236	1242	1256	1273	1279	349
25°	1132	1147	1172	1196	1206	522
35°	986	1002	1034	1058	1067	616
45°	804	821	848	868	873	619
55°	599	612	629	644	649	534
65°	377	385	397	401	408	375
75°	172	174	180	184	187	185
85°	31	38	38	35	36	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1293.9	1293.9	1293.9	1293.9	1293.9
2.5°	1295.1	1292.6	1290.1	1295.1	1297.6
5°	1290.1	1288.9	1288.9	1295.1	1297.6
7.5°	1281.3	1281.3	1285.1	1293.9	1296.4
10°	1270.1	1272.6	1277.6	1290.1	1293.9
12.5°	1255.0	1260.0	1268.8	1283.8	1288.9
15°	1236.2	1242.5	1256.3	1272.6	1278.8
17.5°	1214.9	1223.7	1241.2	1260.0	1266.3
20°	1189.8	1201.1	1221.2	1242.5	1250.0
22.5°	1162.2	1176.0	1198.6	1221.2	1229.9
25°	1132.1	1147.2	1172.3	1196.1	1206.1
27.5°	1100.8	1115.8	1143.4	1167.2	1177.3
30°	1063.2	1080.7	1109.6	1134.6	1143.4
32.5°	1026.8	1044.4	1074.5	1097.0	1105.8
35°	985.5	1001.8	1034.3	1058.2	1066.9
37.5°	941.6	960.4	991.7	1013.0	1020.6
40°	898.9	915.2	945.3	966.6	974.2
42.5°	851.3	868.9	898.9	917.7	924.0
45°	803.7	821.2	847.5	867.6	872.6
47.5°	754.8	771.1	797.4	813.7	818.7
50°	702.1	717.1	742.2	758.5	764.8
52.5°	652.0	665.7	687.1	700.8	704.6
55°	599.3	611.8	629.4	644.4	649.4
57.5°	542.9	556.7	573.0	585.5	589.3
60°	489.0	500.2	514.0	525.3	526.6
62.5°	436.3	441.3	453.9	463.9	465.1
65°	377.4	384.9	397.4	401.2	407.5
67.5°	323.5	328.5	338.5	343.5	348.5
70°	268.3	272.1	282.1	288.4	289.6
72.5°	220.7	221.9	229.4	234.5	235.7
75°	171.8	174.3	180.5	184.3	186.8
77.5°	130.4	132.9	137.9	140.4	140.4
80°	91.5	95.3	100.3	101.6	102.8
82.5°	58.9	63.9	67.7	69.0	66.4
85°	31.3	37.6	37.6	35.1	36.4
87.5°	11.3	13.8	15.0	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)