

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: P297481

Luminaire Tested: **D3X-WO-42L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297481  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-42L92765-LD5-UNV-24-T1-W2A-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3818.0 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

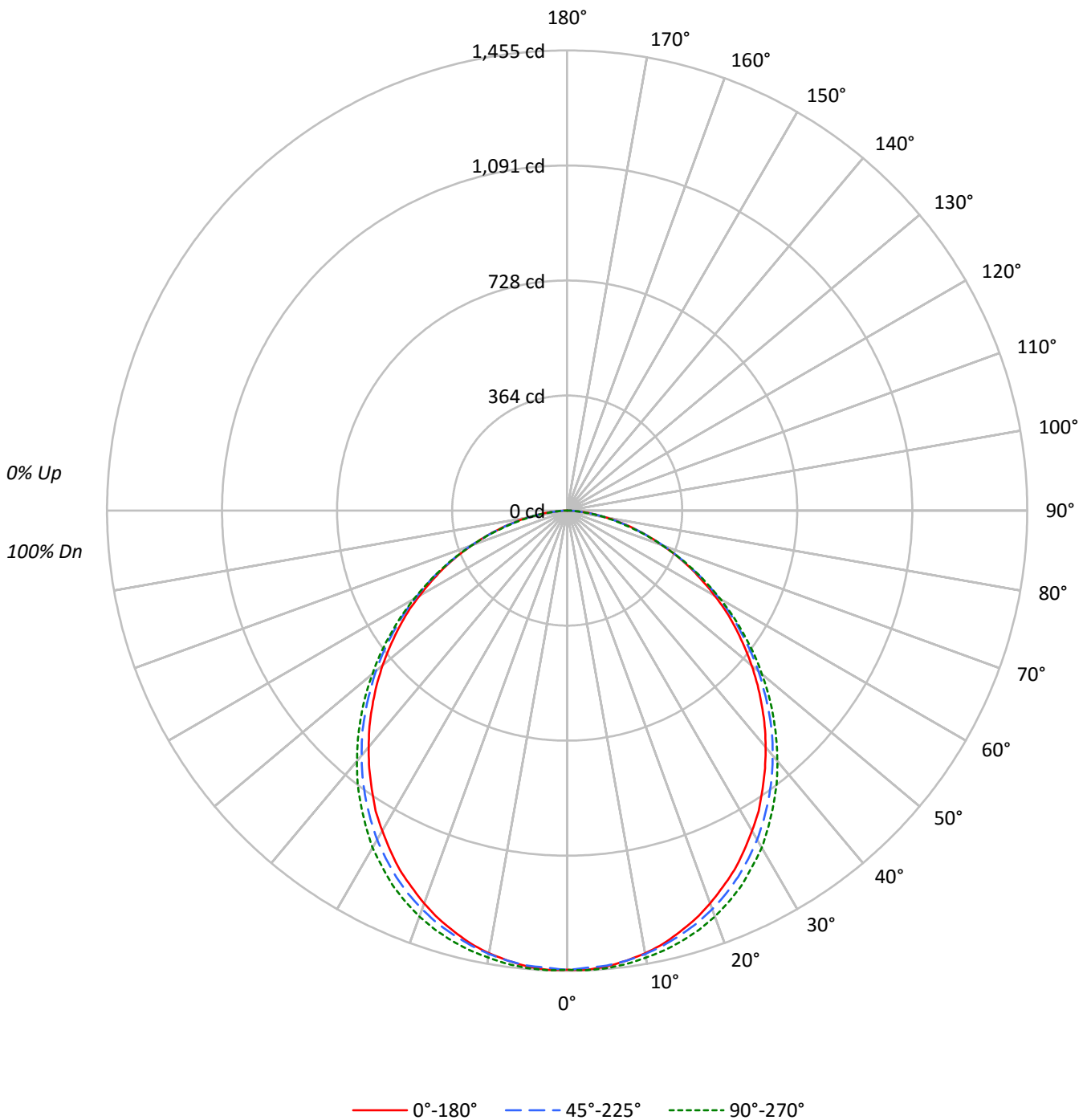
Input Watts (W): 29.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	1954	1954	1954
5°	1954	1951	1961
10°	1942	1945	1961
15°	1920	1935	1962
20°	1893	1921	1956
25°	1860	1898	1940
30°	1816	1866	1912
35°	1768	1825	1868
40°	1715	1776	1816
45°	1657	1718	1755
50°	1594	1653	1683
55°	1527	1575	1599
60°	1450	1488	1506
65°	1368	1388	1396
70°	1255	1270	1255
75°	1130	1123	1090
80°	957	947	917
85°	715	695	616



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.5	3.6
10°-20°	392.7	10.3
20°-30°	588.8	15.4
30°-40°	693.5	18.2
40°-50°	693.6	18.2
50°-60°	598.4	15.7
60°-70°	430.6	11.3
70°-80°	228.4	6.0
80°-90°	54.5	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°	1119.1	29.3
0°-40°	1812.5	47.5
0°-60°	3104.5	81.3
0°-90°	3818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3818.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1447	1446	1444	1450	1452	137
15°	1379	1383	1389	1403	1408	389
25°	1253	1260	1278	1300	1307	576
35°	1076	1089	1111	1130	1137	673
45°	871	882	903	918	922	672
55°	651	657	671	683	682	582
65°	430	431	436	439	439	425
75°	217	215	216	211	210	231
85°	46	46	45	41	40	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1453.3	1450.8	1446.9	1452.1	1454.6
5°	1446.9	1445.6	1444.3	1449.5	1452.1
7.5°	1435.3	1436.6	1435.3	1443.1	1445.6
10°	1421.2	1422.5	1423.8	1432.8	1435.3
12.5°	1403.2	1404.5	1408.3	1419.9	1423.8
15°	1378.7	1382.6	1389.0	1403.2	1408.3
17.5°	1353.0	1358.2	1367.2	1383.9	1389.0
20°	1322.2	1328.6	1341.4	1359.5	1365.9
22.5°	1287.4	1293.9	1311.9	1331.2	1337.6
25°	1252.7	1260.4	1278.4	1300.3	1306.7
27.5°	1211.5	1221.8	1241.1	1263.0	1268.1
30°	1169.1	1178.1	1201.3	1221.8	1230.8
32.5°	1126.7	1135.7	1157.5	1178.1	1184.5
35°	1076.5	1089.4	1111.2	1130.5	1137.0
37.5°	1027.6	1039.2	1062.4	1081.6	1088.1
40°	976.2	986.5	1010.9	1028.9	1034.1
42.5°	924.7	935.0	959.5	973.6	978.8
45°	870.7	882.3	902.9	918.3	922.2
47.5°	816.7	825.7	845.0	859.1	864.3
50°	761.4	770.4	789.7	801.3	803.8
52.5°	706.1	712.5	730.5	740.8	744.7
55°	650.8	657.2	671.4	682.9	681.7
57.5°	598.1	600.6	614.8	622.5	622.5
60°	538.9	541.5	553.0	558.2	559.5
62.5°	483.6	487.4	496.5	497.7	497.7
65°	429.6	430.9	436.0	438.6	438.6
67.5°	375.6	374.3	379.4	379.4	378.1
70°	319.0	321.5	322.8	320.2	319.0
72.5°	267.5	266.2	266.2	264.9	264.9
75°	217.4	214.8	216.1	210.9	209.6
77.5°	171.1	167.2	165.9	163.3	160.8
80°	123.5	123.5	122.2	119.6	118.3
82.5°	82.3	82.3	81.0	78.5	75.9
85°	46.3	46.3	45.0	41.2	39.9
87.5°	15.4	15.4	15.4	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)