

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: P297206

Luminaire Tested: **D3X-WG-45L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297206  
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-45L92765-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: 3351.0 lumens  
Efficiency: N/A  
Efficacy: 106.7 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

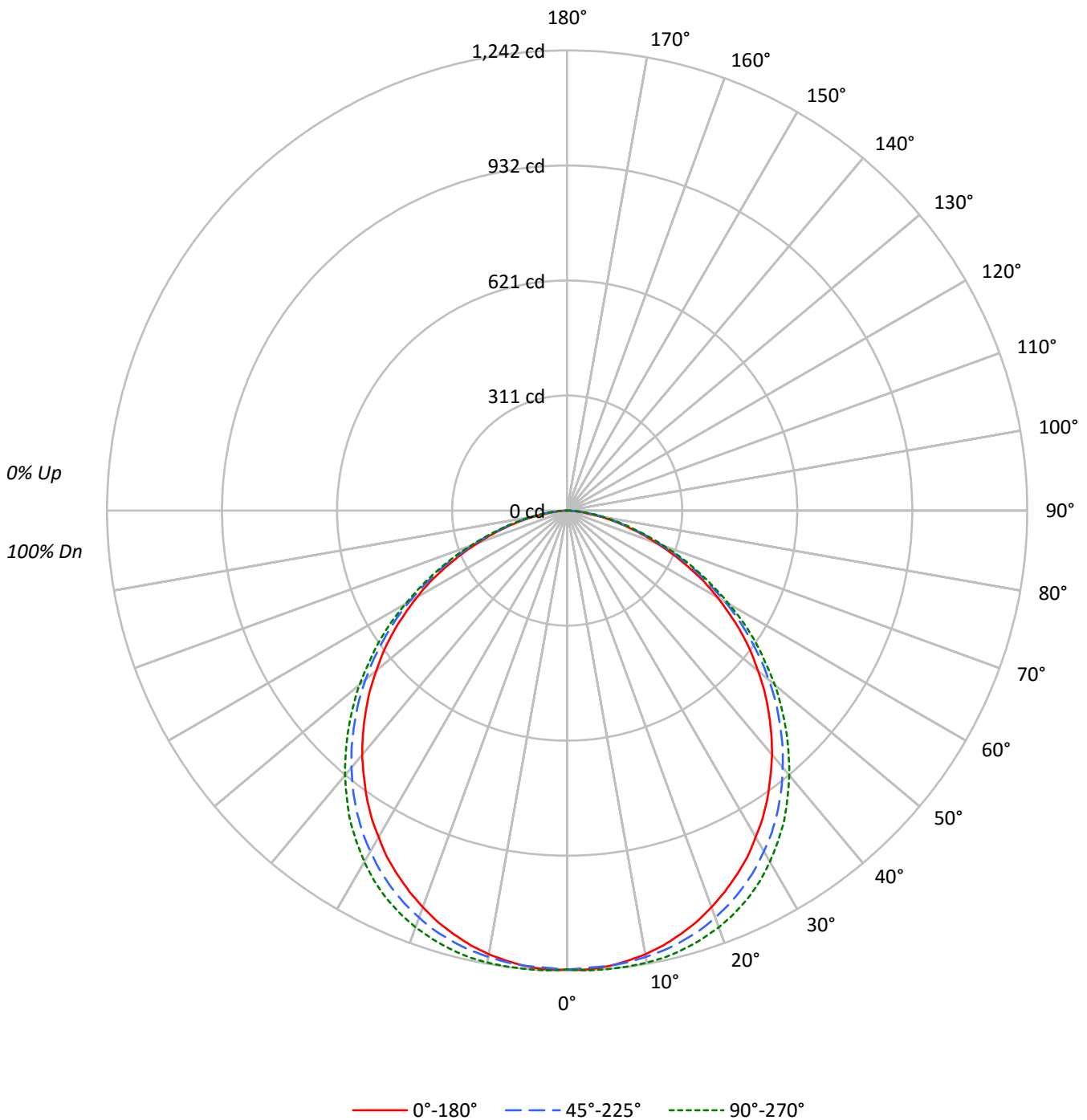
Input Watts (W): 31.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297206

CATALOG NUMBER: D3X-WG-45L92765-LD5-UNV-24-T1-W2A-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P297206

CATALOG NUMBER: D3X-WG-45L92765-LD5-UNV-24-T1-W2A-2700K

**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°	1667	1667	1667
5°	1668	1667	1678
10°	1661	1671	1693
15°	1649	1675	1706
20°	1631	1674	1714
25°	1609	1666	1714
30°	1581	1650	1701
35°	1550	1627	1678
40°	1512	1590	1638
45°	1464	1544	1590
50°	1407	1487	1533
55°	1346	1414	1459
60°	1260	1324	1357
65°	1150	1211	1242
70°	1011	1063	1091
75°	855	899	930
80°	679	744	762
85°	463	556	537



TEST NUMBER: P297206

CATALOG NUMBER: D3X-WG-45L92765-LD5-UNV-24-T1-W2A-2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.7	3.5
10°-20°	339.8	10.1
20°-30°	516.4	15.4
30°-40°	616.2	18.4
40°-50°	622.4	18.6
50°-60°	536.2	16.0
60°-70°	373.8	11.2
70°-80°	185.2	5.5
80°-90°	43.2	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°	974.0	29.1
0°-40°	1590.2	47.5
0°-60°	2748.8	82.0
0°-90°	3351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3351.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1239	1239	1239	1239	1239	
5°	1235	1234	1234	1240	1242	117
15°	1184	1190	1203	1218	1224	334
25°	1084	1098	1122	1145	1155	499
35°	944	959	990	1013	1022	590
45°	769	786	812	831	836	593
55°	574	586	603	617	622	511
65°	361	368	380	384	390	359
75°	164	167	173	176	179	177
85°	30	36	36	34	35	38
90°	0	0	0	0	0	



TEST NUMBER: P297206

CATALOG NUMBER: D3X-WG-45L92765-LD5-UNV-24-T1-W2A-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1238.8	1238.8	1238.8	1238.8	1238.8
2.5°	1240.0	1237.6	1235.2	1240.0	1242.4
5°	1235.2	1234.0	1234.0	1240.0	1242.4
7.5°	1226.8	1226.8	1230.4	1238.8	1241.2
10°	1216.0	1218.4	1223.2	1235.2	1238.8
12.5°	1201.6	1206.4	1214.8	1229.2	1234.0
15°	1183.6	1189.6	1202.8	1218.4	1224.4
17.5°	1163.2	1171.6	1188.4	1206.4	1212.4
20°	1139.2	1150.0	1169.2	1189.6	1196.8
22.5°	1112.8	1126.0	1147.6	1169.2	1177.6
25°	1083.9	1098.3	1122.4	1145.2	1154.8
27.5°	1053.9	1068.3	1094.7	1117.6	1127.2
30°	1017.9	1034.7	1062.3	1086.3	1094.7
32.5°	983.1	999.9	1028.7	1050.3	1058.7
35°	943.5	959.1	990.3	1013.1	1021.5
37.5°	901.5	919.5	949.5	969.9	977.1
40°	860.7	876.3	905.1	925.5	932.7
42.5°	815.1	831.9	860.7	878.7	884.7
45°	769.4	786.2	811.5	830.7	835.5
47.5°	722.6	738.2	763.4	779.0	783.8
50°	672.2	686.6	710.6	726.2	732.2
52.5°	624.2	637.4	657.8	671.0	674.6
55°	573.8	585.8	602.6	617.0	621.8
57.5°	519.8	533.0	548.6	560.6	564.2
60°	468.1	479.0	492.2	503.0	504.2
62.5°	417.7	422.5	434.5	444.1	445.3
65°	361.3	368.5	380.5	384.1	390.1
67.5°	309.7	314.5	324.1	328.9	333.7
70°	256.9	260.5	270.1	276.1	277.3
72.5°	211.3	212.5	219.7	224.5	225.7
75°	164.5	166.9	172.9	176.5	178.9
77.5°	124.8	127.2	132.0	134.4	134.4
80°	87.6	91.2	96.0	97.2	98.4
82.5°	56.4	61.2	64.8	66.0	63.6
85°	30.0	36.0	36.0	33.6	34.8
87.5°	10.8	13.2	14.4	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)