

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: P297268

Luminaire Tested: **D3X-WG-80L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297268
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-80L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7196.0 lumens
Efficiency: N/A
Efficacy: 113.1 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

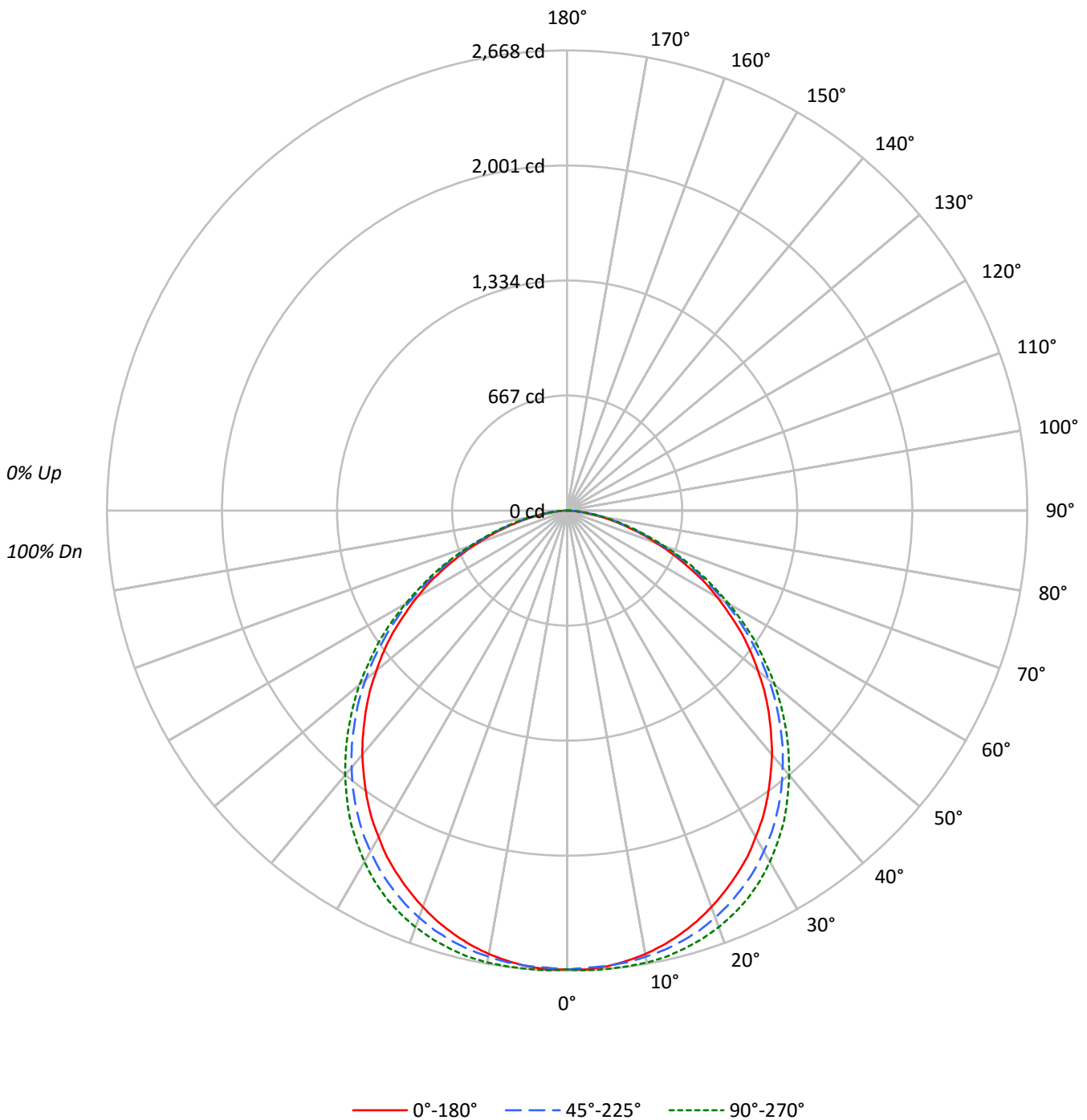
Input Watts (W): 63.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297268

CATALOG NUMBER: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P297268

CATALOG NUMBER: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-6500K

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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3579	3579	3579
5°	3583	3579	3603
10°	3568	3589	3634
15°	3540	3598	3662
20°	3503	3595	3680
25°	3456	3578	3681
30°	3396	3544	3652
35°	3328	3493	3603
40°	3246	3414	3518
45°	3144	3316	3414
50°	3022	3194	3291
55°	2890	3035	3132
60°	2705	2844	2913
65°	2470	2601	2667
70°	2170	2282	2343
75°	1836	1930	1997
80°	1458	1598	1638
85°	994	1193	1155



TEST NUMBER: P297268

CATALOG NUMBER: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	3.5
10°-20°	729.7	10.1
20°-30°	1109.0	15.4
30°-40°	1323.3	18.4
40°-50°	1336.5	18.6
50°-60°	1151.5	16.0
60°-70°	802.7	11.2
70°-80°	397.8	5.5
80°-90°	92.8	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°	2091.5	29.1
0°-40°	3414.8	47.5
0°-60°	5902.7	82.0
0°-90°	7196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2660	2660	2660	2660	2660	
5°	2652	2650	2650	2663	2668	252
15°	2542	2554	2583	2616	2629	717
25°	2328	2359	2410	2459	2480	1072
35°	2026	2060	2127	2176	2194	1266
45°	1652	1688	1742	1784	1794	1274
55°	1232	1258	1294	1325	1335	1098
65°	776	791	817	825	838	770
75°	353	358	371	379	384	381
85°	64	77	77	72	75	82
90°	0	0	0	0	0	



TEST NUMBER: P297268

CATALOG NUMBER: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2660.2	2660.2	2660.2	2660.2	2660.2
2.5°	2662.8	2657.6	2652.5	2662.8	2667.9
5°	2652.5	2649.9	2649.9	2662.8	2667.9
7.5°	2634.4	2634.4	2642.2	2660.2	2665.4
10°	2611.2	2616.4	2626.7	2652.5	2660.2
12.5°	2580.3	2590.6	2608.7	2639.6	2649.9
15°	2541.6	2554.5	2582.9	2616.4	2629.3
17.5°	2497.8	2515.9	2551.9	2590.6	2603.5
20°	2446.3	2469.5	2510.7	2554.5	2570.0
22.5°	2389.5	2417.9	2464.3	2510.7	2528.7
25°	2327.7	2358.6	2410.2	2459.1	2479.8
27.5°	2263.2	2294.2	2350.9	2399.9	2420.5
30°	2185.9	2222.0	2281.3	2332.8	2350.9
32.5°	2111.2	2147.2	2209.1	2255.5	2273.6
35°	2026.1	2059.6	2126.6	2175.6	2193.6
37.5°	1935.9	1974.5	2039.0	2082.8	2098.3
40°	1848.2	1881.7	1943.6	1987.4	2002.9
42.5°	1750.3	1786.4	1848.2	1886.9	1899.8
45°	1652.3	1688.4	1742.5	1783.8	1794.1
47.5°	1551.8	1585.3	1639.4	1672.9	1683.3
50°	1443.5	1474.5	1526.0	1559.5	1572.4
52.5°	1340.4	1368.8	1412.6	1440.9	1448.7
55°	1232.2	1257.9	1294.0	1324.9	1335.3
57.5°	1116.2	1144.5	1178.0	1203.8	1211.5
60°	1005.3	1028.5	1056.9	1080.1	1082.6
62.5°	897.0	907.4	933.1	953.8	956.3
65°	775.9	791.4	817.1	824.9	837.8
67.5°	665.1	675.4	696.0	706.3	716.6
70°	551.6	559.4	580.0	592.9	595.5
72.5°	453.7	456.3	471.7	482.0	484.6
75°	353.1	358.3	371.2	378.9	384.1
77.5°	268.1	273.2	283.5	288.7	288.7
80°	188.2	195.9	206.2	208.8	211.4
82.5°	121.2	131.5	139.2	141.8	136.6
85°	64.4	77.3	77.3	72.2	74.8
87.5°	23.2	28.4	30.9	33.5	33.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)