

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: P297243

Luminaire Tested: **D3X-WG-67L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297243
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-67L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5132.0 lumens
Efficiency: N/A
Efficacy: 106.5 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

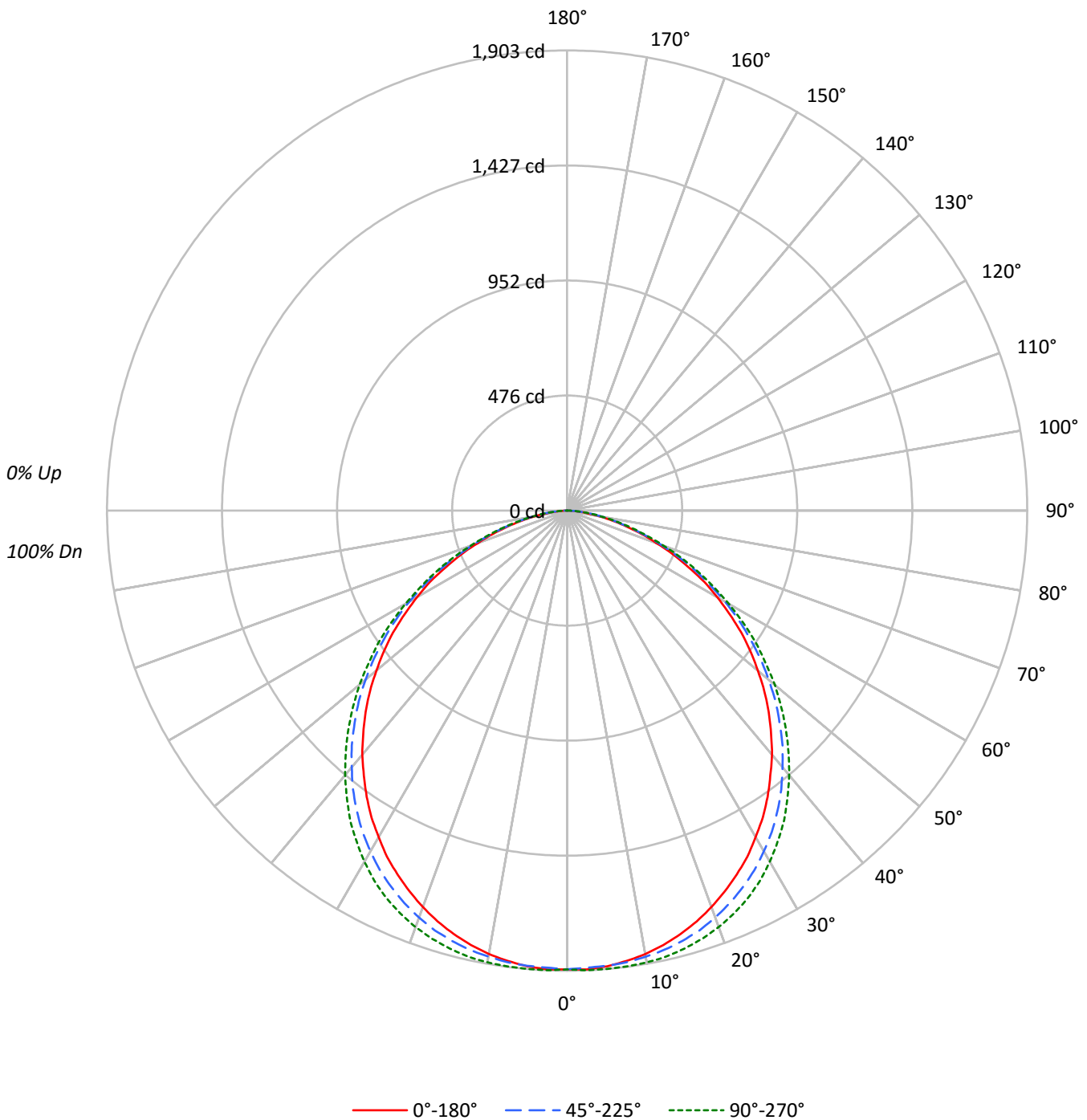
Input Watts (W): 48.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297243

CATALOG NUMBER: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P297243

CATALOG NUMBER: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-3000K

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°	2553	2553	2553
5°	2555	2552	2570
10°	2544	2559	2592
15°	2525	2566	2612
20°	2498	2564	2624
25°	2464	2552	2625
30°	2422	2528	2605
35°	2373	2491	2570
40°	2315	2435	2509
45°	2242	2365	2435
50°	2155	2278	2347
55°	2061	2165	2234
60°	1929	2028	2078
65°	1762	1855	1902
70°	1548	1627	1671
75°	1310	1376	1424
80°	1040	1140	1168
85°	710	852	823



TEST NUMBER: P297243

CATALOG NUMBER: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.3	3.5
10°-20°	520.4	10.1
20°-30°	790.9	15.4
30°-40°	943.7	18.4
40°-50°	953.1	18.6
50°-60°	821.2	16.0
60°-70°	572.5	11.2
70°-80°	283.7	5.5
80°-90°	66.2	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°	1491.6	29.1
0°-40°	2435.3	47.5
0°-60°	4209.7	82.0
0°-90°	5132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5132.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1897	1897	1897	1897	1897	
5°	1892	1890	1890	1899	1903	180
15°	1813	1822	1842	1866	1875	511
25°	1660	1682	1719	1754	1768	765
35°	1445	1469	1517	1552	1564	903
45°	1178	1204	1243	1272	1280	908
55°	879	897	923	945	952	783
65°	553	564	583	588	598	549
75°	252	256	265	270	274	272
85°	46	55	55	52	53	59
90°	0	0	0	0	0	



TEST NUMBER: P297243

CATALOG NUMBER: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1897.2	1897.2	1897.2	1897.2	1897.2
2.5°	1899.0	1895.4	1891.7	1899.0	1902.7
5°	1891.7	1889.8	1889.8	1899.0	1902.7
7.5°	1878.8	1878.8	1884.3	1897.2	1900.9
10°	1862.3	1865.9	1873.3	1891.7	1897.2
12.5°	1840.2	1847.6	1860.4	1882.5	1889.8
15°	1812.6	1821.8	1842.0	1865.9	1875.1
17.5°	1781.4	1794.2	1820.0	1847.6	1856.7
20°	1744.6	1761.2	1790.6	1821.8	1832.8
22.5°	1704.2	1724.4	1757.5	1790.6	1803.4
25°	1660.0	1682.1	1718.9	1753.8	1768.5
27.5°	1614.1	1636.1	1676.6	1711.5	1726.2
30°	1558.9	1584.7	1627.0	1663.7	1676.6
32.5°	1505.6	1531.4	1575.5	1608.6	1621.4
35°	1445.0	1468.9	1516.7	1551.6	1564.4
37.5°	1380.6	1408.2	1454.1	1485.4	1496.4
40°	1318.1	1342.0	1386.1	1417.4	1428.4
42.5°	1248.2	1274.0	1318.1	1345.7	1354.9
45°	1178.4	1204.1	1242.7	1272.1	1279.5
47.5°	1106.7	1130.6	1169.2	1193.1	1200.5
50°	1029.5	1051.5	1088.3	1112.2	1121.4
52.5°	955.9	976.2	1007.4	1027.6	1033.2
55°	878.7	897.1	922.9	944.9	952.3
57.5°	796.0	816.2	840.1	858.5	864.0
60°	717.0	733.5	753.7	770.3	772.1
62.5°	639.8	647.1	665.5	680.2	682.0
65°	553.3	564.4	582.8	588.3	597.5
67.5°	474.3	481.7	496.4	503.7	511.1
70°	393.4	398.9	413.6	422.8	424.7
72.5°	323.6	325.4	336.4	343.8	345.6
75°	251.9	255.5	264.7	270.2	273.9
77.5°	191.2	194.9	202.2	205.9	205.9
80°	134.2	139.7	147.1	148.9	150.7
82.5°	86.4	93.8	99.3	101.1	97.4
85°	46.0	55.2	55.2	51.5	53.3
87.5°	16.5	20.2	22.1	23.9	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)