

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: P297237

Luminaire Tested: **D3X-WG-60L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297237  
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-60L92765-LD5-UNV-24-T1-W2A-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5133.0 lumens  
Efficiency: N/A  
Efficacy: 116.4 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

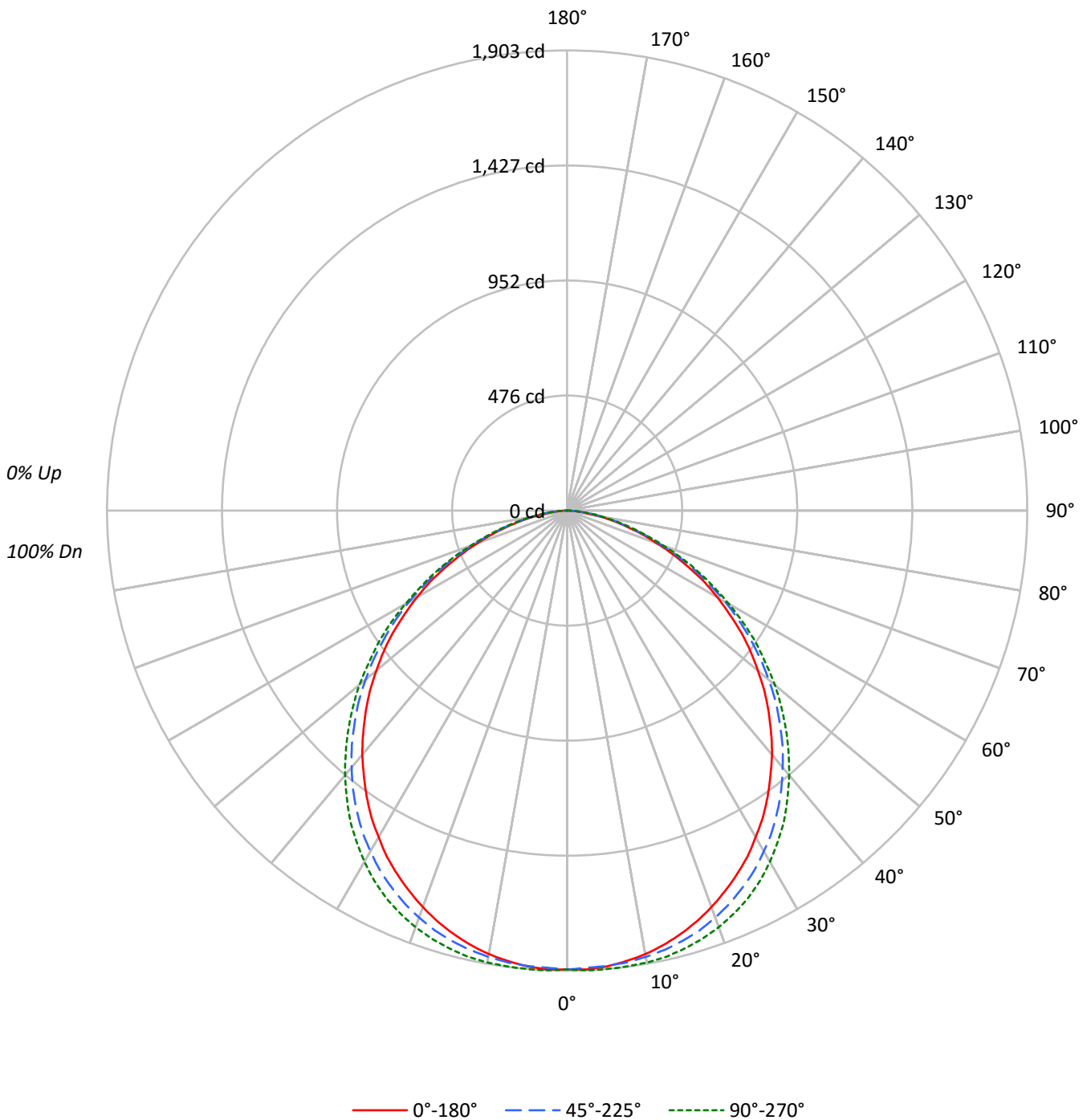
Input Watts (W): 44.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2553	2553	2553
5°	2555	2553	2570
10°	2545	2560	2593
15°	2525	2566	2612
20°	2498	2564	2625
25°	2465	2552	2626
30°	2422	2528	2605
35°	2374	2492	2570
40°	2316	2435	2509
45°	2243	2365	2435
50°	2155	2278	2348
55°	2062	2165	2234
60°	1930	2029	2078
65°	1762	1856	1903
70°	1548	1627	1671
75°	1310	1377	1424
80°	1040	1140	1168
85°	710	852	823



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.3	3.5
10°-20°	520.5	10.1
20°-30°	791.1	15.4
30°-40°	943.9	18.4
40°-50°	953.3	18.6
50°-60°	821.4	16.0
60°-70°	572.6	11.2
70°-80°	283.8	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°	1491.9	29.1
0°-40°	2435.8	47.5
0°-60°	4210.5	82.0
0°-90°	5133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5133.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1898	1898	1898	1898	1898	
5°	1892	1890	1890	1899	1903	180
15°	1813	1822	1842	1866	1876	511
25°	1660	1682	1719	1754	1769	765
35°	1445	1469	1517	1552	1565	903
45°	1179	1204	1243	1272	1280	909
55°	879	897	923	945	952	783
65°	554	564	583	588	598	550
75°	252	256	265	270	274	272
85°	46	55	55	52	53	59
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1897.6	1897.6	1897.6	1897.6	1897.6
2.5°	1899.4	1895.7	1892.0	1899.4	1903.1
5°	1892.0	1890.2	1890.2	1899.4	1903.1
7.5°	1879.2	1879.2	1884.7	1897.6	1901.2
10°	1862.6	1866.3	1873.7	1892.0	1897.6
12.5°	1840.6	1847.9	1860.8	1882.9	1890.2
15°	1813.0	1822.2	1842.4	1866.3	1875.5
17.5°	1781.7	1794.6	1820.3	1847.9	1857.1
20°	1744.9	1761.5	1790.9	1822.2	1833.2
22.5°	1704.5	1724.7	1757.8	1790.9	1803.8
25°	1660.4	1682.4	1719.2	1754.1	1768.9
27.5°	1614.4	1636.5	1676.9	1711.9	1726.6
30°	1559.2	1585.0	1627.3	1664.0	1676.9
32.5°	1505.9	1531.7	1575.8	1608.9	1621.8
35°	1445.2	1469.1	1516.9	1551.9	1564.8
37.5°	1380.9	1408.5	1454.4	1485.7	1496.7
40°	1318.4	1342.3	1386.4	1417.7	1428.7
42.5°	1248.5	1274.2	1318.4	1345.9	1355.1
45°	1178.6	1204.4	1243.0	1272.4	1279.8
47.5°	1106.9	1130.8	1169.4	1193.3	1200.7
50°	1029.7	1051.7	1088.5	1112.4	1121.6
52.5°	956.1	976.4	1007.6	1027.8	1033.4
55°	878.9	897.3	923.0	945.1	952.5
57.5°	796.2	816.4	840.3	858.7	864.2
60°	717.1	733.7	753.9	770.4	772.3
62.5°	639.9	647.2	665.6	680.3	682.2
65°	553.5	564.5	582.9	588.4	597.6
67.5°	474.4	481.7	496.5	503.8	511.2
70°	393.5	399.0	413.7	422.9	424.7
72.5°	323.6	325.5	336.5	343.8	345.7
75°	251.9	255.6	264.8	270.3	274.0
77.5°	191.2	194.9	202.3	205.9	205.9
80°	134.2	139.7	147.1	148.9	150.8
82.5°	86.4	93.8	99.3	101.1	97.5
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)