

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: P296956

Luminaire Tested: **D3X-WD-60L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-60L92765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4994.0 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

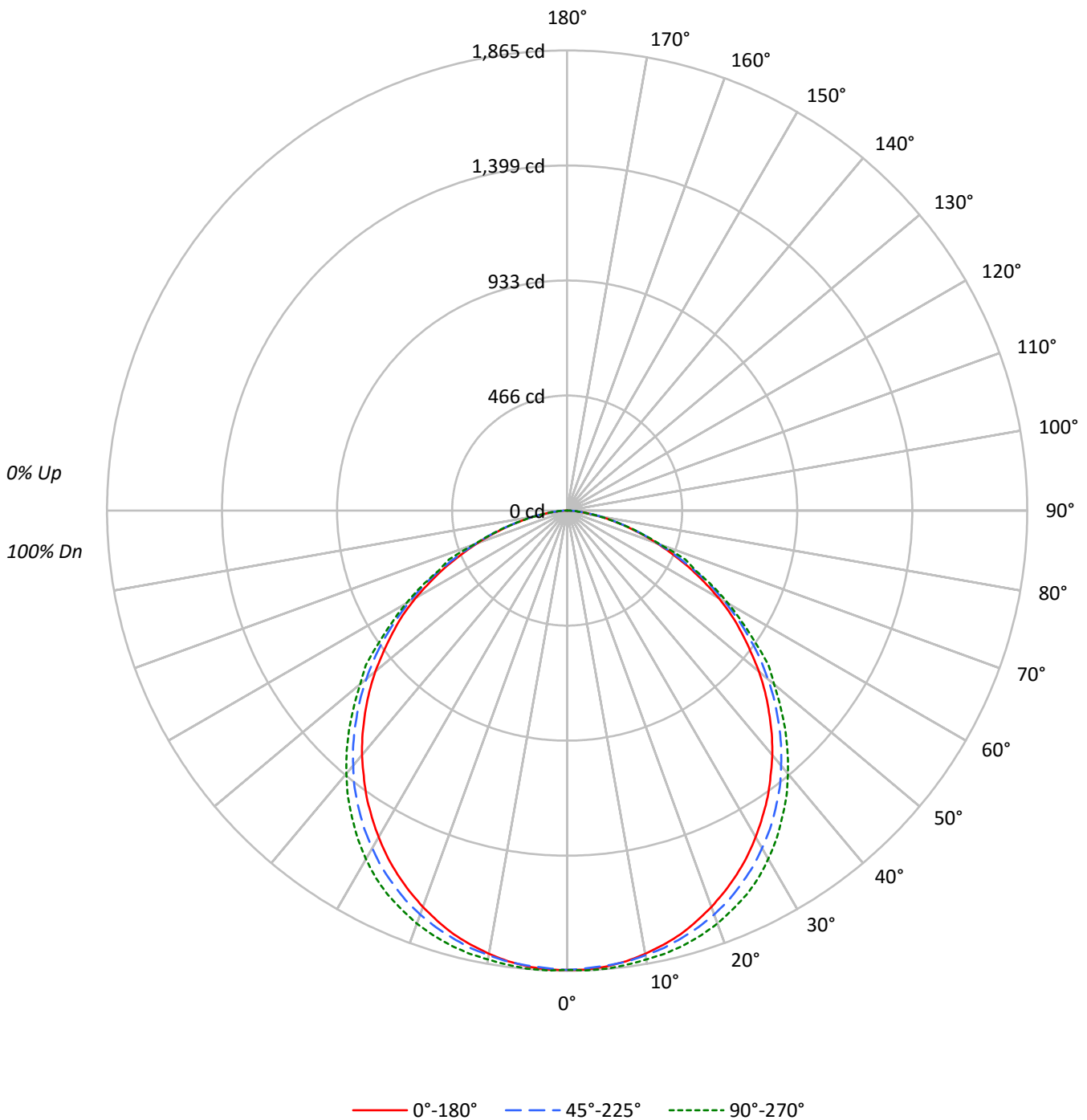
Input Watts (W): 43.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
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		48	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	28		38	32	27		37	32	27	26

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

	0°	45°	90°
0°	2505	2505	2505
5°	2505	2500	2517
10°	2492	2500	2524
15°	2476	2498	2541
20°	2448	2494	2550
25°	2415	2479	2551
30°	2375	2455	2533
35°	2328	2419	2496
40°	2272	2370	2445
45°	2203	2305	2376
50°	2123	2224	2292
55°	2026	2118	2182
60°	1910	1982	2030
65°	1734	1791	1826
70°	1522	1558	1579
75°	1286	1304	1314
80°	1027	1041	1013
85°	692	719	692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.4	3.5
10°-20°	507.4	10.2
20°-30°	769.8	15.4
30°-40°	919.1	18.4
40°-50°	930.5	18.6
50°-60°	804.3	16.1
60°-70°	557.4	11.2
70°-80°	269.7	5.4
80°-90°	59.3	1.2
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°	1453.7	29.1
0°-40°	2372.7	47.5
0°-60°	4107.5	82.2
0°-90°	4994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4994.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1862	1862	1862	1862	1862	
5°	1855	1853	1851	1860	1864	176
15°	1778	1781	1794	1815	1824	501
25°	1627	1638	1670	1704	1718	749
35°	1417	1430	1473	1510	1520	885
45°	1158	1174	1211	1242	1249	893
55°	864	873	903	941	930	772
65°	545	550	563	572	573	539
75°	247	249	251	249	253	265
85°	45	48	47	45	45	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1861.7	1861.7	1861.7	1861.7	1861.7
2.5°	1861.7	1859.9	1856.4	1861.7	1865.3
5°	1854.6	1852.8	1851.0	1859.9	1863.5
7.5°	1842.0	1842.0	1843.8	1852.8	1856.4
10°	1824.1	1825.9	1829.5	1843.8	1847.4
12.5°	1802.6	1806.2	1815.1	1831.3	1838.4
15°	1777.5	1781.1	1793.6	1815.1	1824.1
17.5°	1745.3	1752.4	1770.3	1795.4	1804.4
20°	1709.4	1718.4	1741.7	1770.3	1781.1
22.5°	1670.0	1679.0	1709.4	1739.9	1750.6
25°	1627.0	1637.7	1670.0	1704.0	1718.4
27.5°	1580.4	1593.0	1628.8	1664.6	1679.0
30°	1528.4	1542.8	1580.4	1618.0	1630.6
32.5°	1472.9	1487.2	1530.2	1566.1	1578.6
35°	1417.3	1429.9	1472.9	1510.5	1519.5
37.5°	1354.6	1369.0	1415.6	1447.8	1460.4
40°	1293.7	1308.0	1349.3	1381.5	1392.3
42.5°	1227.4	1241.7	1283.0	1313.4	1322.4
45°	1157.5	1173.7	1211.3	1241.7	1248.9
47.5°	1087.7	1100.2	1139.6	1166.5	1171.9
50°	1014.2	1026.7	1062.6	1089.4	1094.8
52.5°	937.1	956.8	985.5	1005.2	1028.5
55°	863.7	872.6	903.1	940.7	930.0
57.5°	790.2	795.6	820.7	836.8	840.4
60°	709.6	716.7	736.4	745.4	754.4
62.5°	625.4	630.7	654.0	663.0	666.6
65°	544.7	550.1	562.6	571.6	573.4
67.5°	462.3	467.7	478.4	485.6	517.8
70°	387.0	390.6	396.0	410.3	401.4
72.5°	315.4	317.2	322.5	322.5	324.3
75°	247.3	249.1	250.9	249.1	252.7
77.5°	184.6	188.1	189.9	188.1	186.4
80°	132.6	136.2	134.4	130.8	130.8
82.5°	86.0	87.8	86.0	84.2	84.2
85°	44.8	48.4	46.6	44.8	44.8
87.5°	16.1	17.9	19.7	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)