

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: P297235

Luminaire Tested: **D3X-WG-60L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297235  
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-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4847.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 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

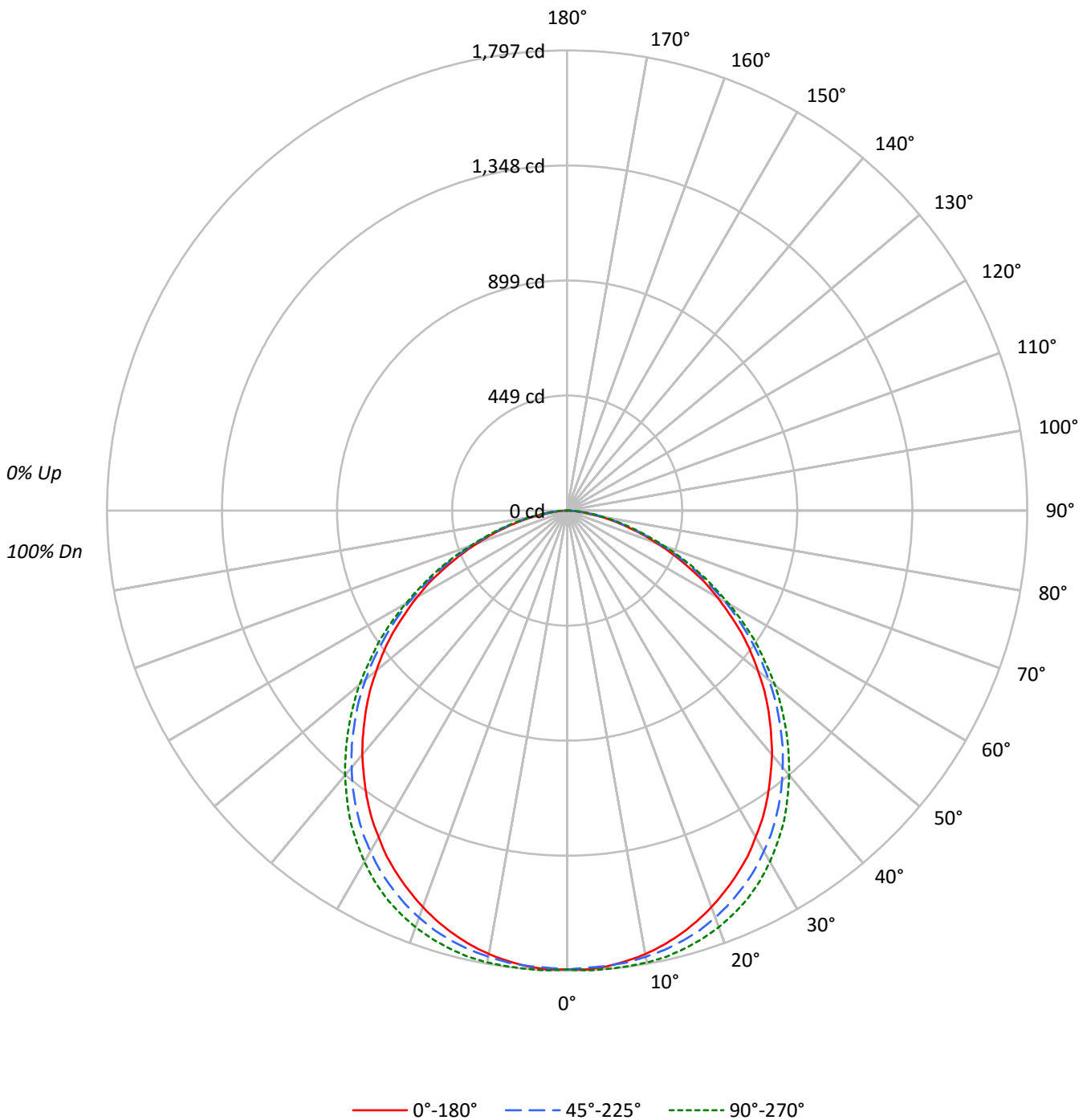
Input Watts (W): 43.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2411	2411	2411
5°	2413	2411	2427
10°	2403	2417	2448
15°	2385	2423	2467
20°	2359	2421	2479
25°	2328	2410	2480
30°	2288	2387	2460
35°	2242	2353	2427
40°	2187	2299	2370
45°	2118	2233	2299
50°	2035	2152	2217
55°	1947	2045	2110
60°	1822	1916	1962
65°	1664	1752	1797
70°	1462	1537	1578
75°	1237	1300	1345
80°	982	1076	1103
85°	670	804	778



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.3	3.5
10°-20°	491.5	10.1
20°-30°	747.0	15.4
30°-40°	891.3	18.4
40°-50°	900.2	18.6
50°-60°	775.6	16.0
60°-70°	540.7	11.2
70°-80°	267.9	5.5
80°-90°	62.5	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°	1408.8	29.1
0°-40°	2300.1	47.5
0°-60°	3975.9	82.0
0°-90°	4847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4847.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1792	1792	1792	1792	1792	
5°	1787	1785	1785	1794	1797	170
15°	1712	1721	1740	1762	1771	483
25°	1568	1589	1623	1656	1670	722
35°	1365	1387	1432	1465	1478	853
45°	1113	1137	1174	1202	1208	858
55°	830	847	872	892	899	740
65°	523	533	550	556	564	519
75°	238	241	250	255	259	256
85°	43	52	52	49	50	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1791.8	1791.8	1791.8	1791.8	1791.8
2.5°	1793.6	1790.1	1786.6	1793.6	1797.0
5°	1786.6	1784.9	1784.9	1793.6	1797.0
7.5°	1774.5	1774.5	1779.7	1791.8	1795.3
10°	1758.8	1762.3	1769.3	1786.6	1791.8
12.5°	1738.0	1745.0	1757.1	1777.9	1784.9
15°	1712.0	1720.6	1739.7	1762.3	1771.0
17.5°	1682.4	1694.6	1718.9	1745.0	1753.6
20°	1647.7	1663.3	1691.1	1720.6	1731.1
22.5°	1609.5	1628.6	1659.9	1691.1	1703.3
25°	1567.9	1588.7	1623.4	1656.4	1670.3
27.5°	1524.4	1545.3	1583.5	1616.5	1630.4
30°	1472.4	1496.7	1536.6	1571.3	1583.5
32.5°	1422.0	1446.3	1488.0	1519.2	1531.4
35°	1364.7	1387.3	1432.4	1465.4	1477.6
37.5°	1303.9	1330.0	1373.4	1402.9	1413.3
40°	1244.9	1267.5	1309.1	1338.7	1349.1
42.5°	1178.9	1203.2	1244.9	1271.0	1279.6
45°	1113.0	1137.3	1173.7	1201.5	1208.4
47.5°	1045.2	1067.8	1104.3	1126.8	1133.8
50°	972.3	993.1	1027.9	1050.4	1059.1
52.5°	902.9	922.0	951.5	970.6	975.8
55°	829.9	847.3	871.6	892.4	899.4
57.5°	751.8	770.9	793.5	810.8	816.0
60°	677.1	692.8	711.9	727.5	729.2
62.5°	604.2	611.2	628.5	642.4	644.2
65°	522.6	533.0	550.4	555.6	564.3
67.5°	448.0	454.9	468.8	475.7	482.7
70°	371.6	376.8	390.7	399.3	401.1
72.5°	305.6	307.3	317.7	324.7	326.4
75°	237.9	241.3	250.0	255.2	258.7
77.5°	180.6	184.0	191.0	194.5	194.5
80°	126.7	132.0	138.9	140.6	142.4
82.5°	81.6	88.5	93.8	95.5	92.0
85°	43.4	52.1	52.1	48.6	50.4
87.5°	15.6	19.1	20.8	22.6	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)