

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: P297519

Luminaire Tested: **D3X-WO-60L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297519  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-60L92765-LD5-UNV-24-T1-W2A-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5654.0 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

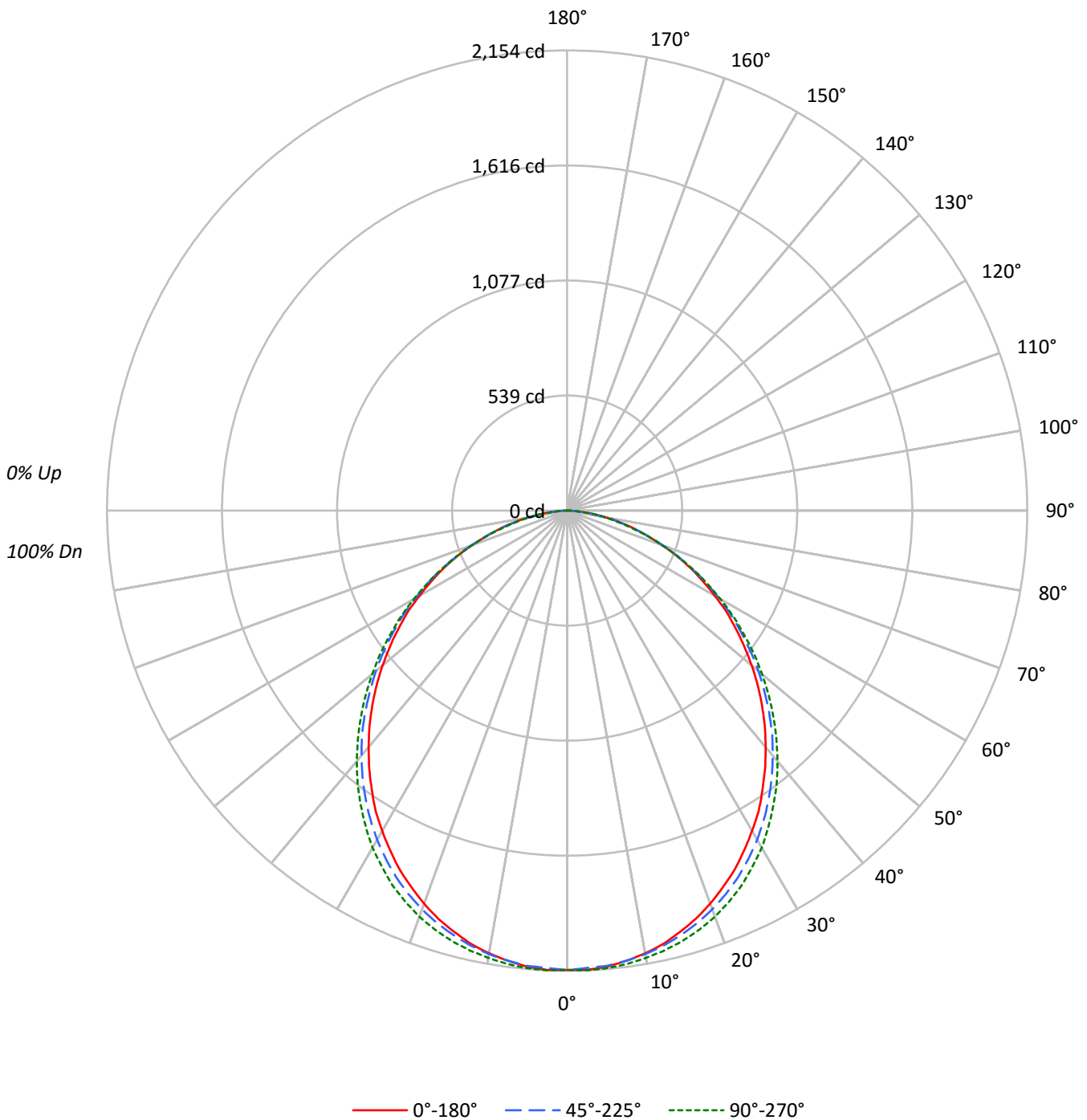
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	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	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26					26			

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

	0°	45°	90°
0°	2893	2893	2893
5°	2894	2889	2904
10°	2875	2881	2904
15°	2844	2865	2905
20°	2804	2844	2896
25°	2754	2811	2873
30°	2690	2764	2832
35°	2619	2703	2766
40°	2539	2629	2690
45°	2453	2544	2598
50°	2360	2448	2492
55°	2261	2332	2368
60°	2147	2204	2229
65°	2025	2056	2068
70°	1858	1881	1858
75°	1673	1664	1614
80°	1416	1402	1358
85°	1059	1030	911



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.6	3.6
10°-20°	581.6	10.3
20°-30°	872.0	15.4
30°-40°	1026.9	18.2
40°-50°	1027.1	18.2
50°-60°	886.2	15.7
60°-70°	637.7	11.3
70°-80°	338.3	6.0
80°-90°	80.7	1.4
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°	1657.2	29.3
0°-40°	2684.1	47.5
0°-60°	4597.4	81.3
0°-90°	5654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5654.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2150	2150	2150	2150	2150	
5°	2143	2141	2139	2146	2150	203
15°	2042	2048	2057	2078	2086	576
25°	1855	1866	1893	1926	1935	853
35°	1594	1613	1646	1674	1684	997
45°	1289	1307	1337	1360	1366	995
55°	964	973	994	1011	1010	862
65°	636	638	646	650	650	629
75°	322	318	320	312	310	342
85°	69	69	67	61	59	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2150.3	2150.3	2150.3	2150.3	2150.3
2.5°	2152.2	2148.4	2142.7	2150.3	2154.1
5°	2142.7	2140.8	2138.9	2146.5	2150.3
7.5°	2125.6	2127.5	2125.6	2137.0	2140.8
10°	2104.6	2106.5	2108.4	2121.8	2125.6
12.5°	2077.9	2079.8	2085.6	2102.7	2108.4
15°	2041.8	2047.5	2057.0	2077.9	2085.6
17.5°	2003.7	2011.3	2024.6	2049.4	2057.0
20°	1958.0	1967.5	1986.5	2013.2	2022.7
22.5°	1906.5	1916.1	1942.7	1971.3	1980.8
25°	1855.1	1866.5	1893.2	1925.6	1935.1
27.5°	1794.2	1809.4	1838.0	1870.3	1878.0
30°	1731.3	1744.6	1778.9	1809.4	1822.7
32.5°	1668.5	1681.8	1714.2	1744.6	1754.2
35°	1594.2	1613.2	1645.6	1674.2	1683.7
37.5°	1521.8	1538.9	1573.2	1601.8	1611.3
40°	1445.6	1460.8	1497.0	1523.7	1531.3
42.5°	1369.4	1384.7	1420.8	1441.8	1449.4
45°	1289.4	1306.6	1337.0	1359.9	1365.6
47.5°	1209.4	1222.8	1251.3	1272.3	1279.9
50°	1127.5	1140.9	1169.4	1186.6	1190.4
52.5°	1045.6	1055.2	1081.8	1097.1	1102.8
55°	963.7	973.3	994.2	1011.4	1009.5
57.5°	885.7	889.5	910.4	921.8	921.8
60°	798.0	801.8	819.0	826.6	828.5
62.5°	716.1	721.9	735.2	737.1	737.1
65°	636.1	638.0	645.7	649.5	649.5
67.5°	556.2	554.2	561.9	561.9	560.0
70°	472.3	476.2	478.1	474.3	472.3
72.5°	396.2	394.3	394.3	392.4	392.4
75°	321.9	318.1	320.0	312.4	310.5
77.5°	253.3	247.6	245.7	241.9	238.1
80°	182.8	182.8	180.9	177.1	175.2
82.5°	121.9	121.9	120.0	116.2	112.4
85°	68.6	68.6	66.7	60.9	59.0
87.5°	22.9	22.9	22.9	22.9	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)