

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: P297265

Luminaire Tested: **D3X-WG-80L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297265  
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-80L92765-LD5-UNV-24-T1-W2A-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7009.0 lumens  
Efficiency: N/A  
Efficacy: 112.9 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

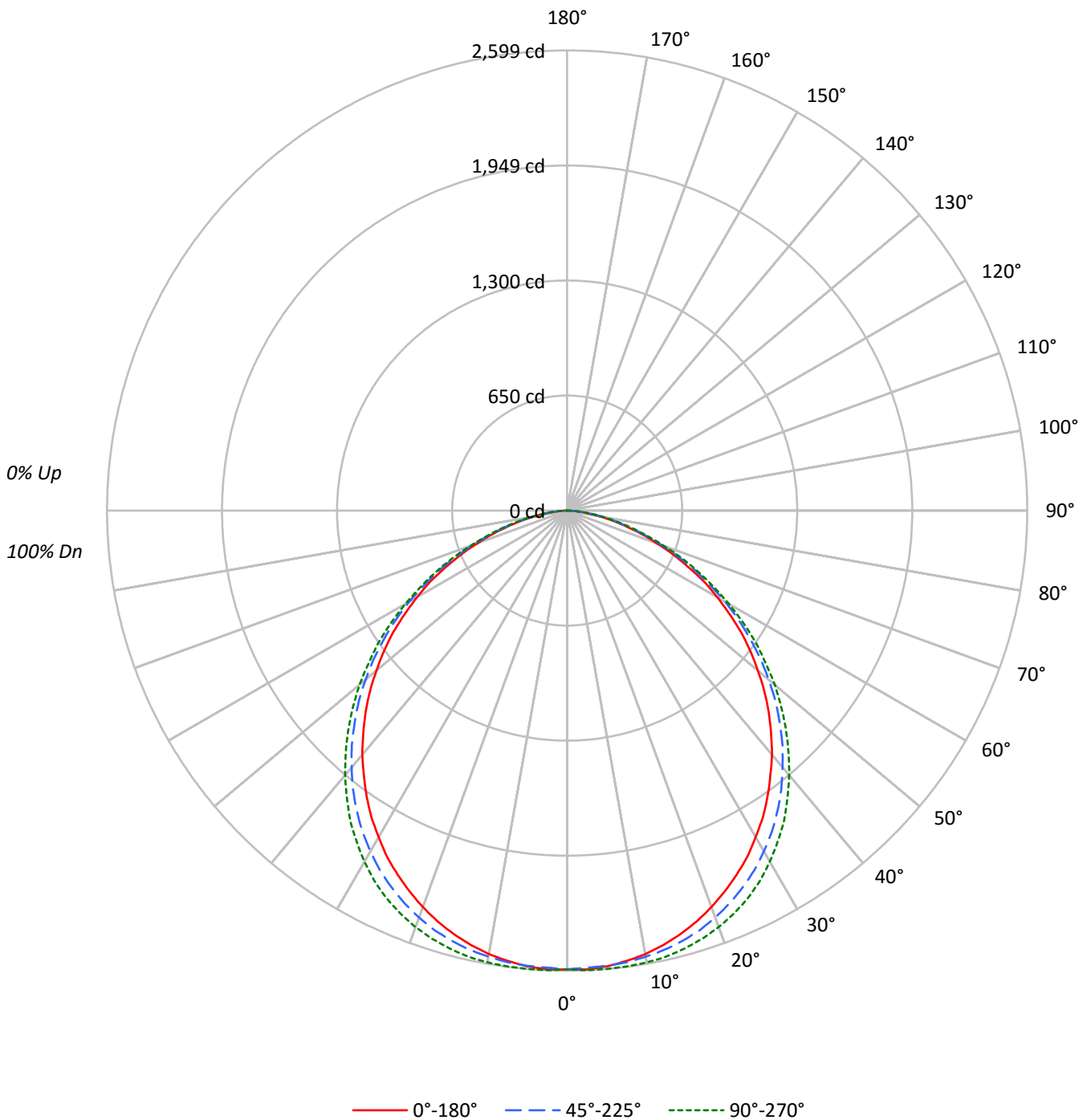
Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3486	3486	3486
5°	3489	3486	3510
10°	3475	3495	3540
15°	3448	3504	3567
20°	3412	3502	3584
25°	3366	3485	3586
30°	3308	3452	3558
35°	3241	3402	3509
40°	3162	3325	3426
45°	3062	3230	3325
50°	2943	3111	3206
55°	2815	2957	3051
60°	2635	2770	2838
65°	2406	2534	2598
70°	2114	2222	2282
75°	1788	1879	1945
80°	1420	1557	1595
85°	969	1162	1124



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.2	3.5
10°-20°	710.8	10.1
20°-30°	1080.2	15.4
30°-40°	1288.9	18.4
40°-50°	1301.8	18.6
50°-60°	1121.5	16.0
60°-70°	781.8	11.2
70°-80°	387.5	5.5
80°-90°	90.3	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°	2037.1	29.1
0°-40°	3326.1	47.5
0°-60°	5749.4	82.0
0°-90°	7009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7009.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2591	2591	2591	2591	2591	
5°	2584	2581	2581	2594	2599	245
15°	2476	2488	2516	2548	2561	698
25°	2267	2297	2348	2395	2415	1044
35°	1973	2006	2071	2119	2137	1233
45°	1609	1644	1697	1737	1748	1241
55°	1200	1225	1260	1290	1301	1070
65°	756	771	796	803	816	750
75°	344	349	362	369	374	371
85°	63	75	75	70	73	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2591.1	2591.1	2591.1	2591.1	2591.1
2.5°	2593.6	2588.6	2583.5	2593.6	2598.6
5°	2583.5	2581.0	2581.0	2593.6	2598.6
7.5°	2566.0	2566.0	2573.5	2591.1	2596.1
10°	2543.4	2548.4	2558.4	2583.5	2591.1
12.5°	2513.2	2523.3	2540.9	2571.0	2581.0
15°	2475.6	2488.1	2515.8	2548.4	2561.0
17.5°	2432.9	2450.5	2485.6	2523.3	2535.8
20°	2382.7	2405.3	2445.5	2488.1	2503.2
22.5°	2327.5	2355.1	2400.3	2445.5	2463.0
25°	2267.2	2297.3	2347.5	2395.2	2415.3
27.5°	2204.4	2234.6	2289.8	2337.5	2357.6
30°	2129.1	2164.3	2222.0	2272.2	2289.8
32.5°	2056.3	2091.4	2151.7	2196.9	2214.5
35°	1973.4	2006.1	2071.4	2119.1	2136.6
37.5°	1885.6	1923.2	1986.0	2028.7	2043.7
40°	1800.2	1832.8	1893.1	1935.8	1950.8
42.5°	1704.8	1739.9	1800.2	1837.9	1850.4
45°	1609.4	1644.5	1697.3	1737.4	1747.5
47.5°	1511.5	1544.1	1596.8	1629.5	1639.5
50°	1406.0	1436.1	1486.4	1519.0	1531.5
52.5°	1305.6	1333.2	1375.9	1403.5	1411.0
55°	1200.1	1225.2	1260.4	1290.5	1300.6
57.5°	1087.1	1114.8	1147.4	1172.5	1180.0
60°	979.2	1001.8	1029.4	1052.0	1054.5
62.5°	873.7	883.8	908.9	929.0	931.5
65°	755.7	770.8	795.9	803.4	816.0
67.5°	647.8	657.8	677.9	687.9	698.0
70°	537.3	544.8	564.9	577.5	580.0
72.5°	441.9	444.4	459.5	469.5	472.0
75°	344.0	349.0	361.5	369.1	374.1
77.5°	261.1	266.1	276.2	281.2	281.2
80°	183.3	190.8	200.9	203.4	205.9
82.5°	118.0	128.0	135.6	138.1	133.1
85°	62.8	75.3	75.3	70.3	72.8
87.5°	22.6	27.6	30.1	32.6	32.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)