

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: P296970

Luminaire Tested: **D3X-WD-67L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296970  
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-67L92765-LD5-UNV-24-T1-W2A-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5966.0 lumens  
Efficiency: N/A  
Efficacy: 117.2 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

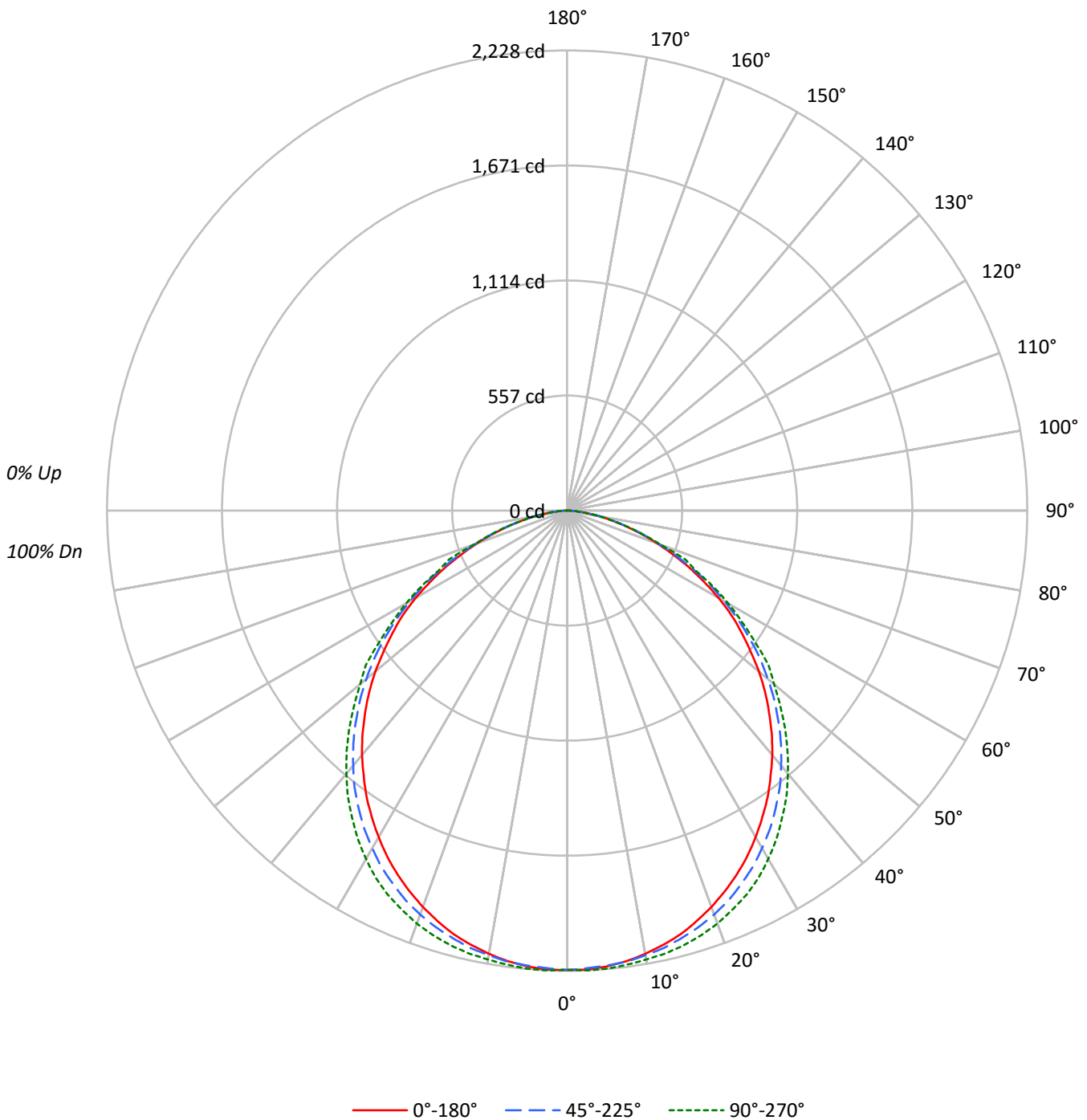
Input Watts (W): 50.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85			85	
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72			72	
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			61	
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			52	
5	77	64	56	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	42	40			40	
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	2993	2993	2993
5°	2992	2987	3007
10°	2977	2986	3015
15°	2958	2985	3035
20°	2924	2979	3047
25°	2886	2962	3048
30°	2837	2933	3026
35°	2781	2890	2982
40°	2715	2831	2921
45°	2631	2753	2839
50°	2536	2657	2738
55°	2420	2531	2606
60°	2281	2368	2425
65°	2072	2140	2181
70°	1819	1861	1886
75°	1536	1558	1569
80°	1227	1244	1211
85°	826	860	826



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.8	3.5
10°-20°	606.1	10.2
20°-30°	919.7	15.4
30°-40°	1098.0	18.4
40°-50°	1111.6	18.6
50°-60°	960.8	16.1
60°-70°	666.0	11.2
70°-80°	322.2	5.4
80°-90°	70.8	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°	1736.6	29.1
0°-40°	2834.6	47.5
0°-60°	4907.0	82.2
0°-90°	5966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5966.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2224	2224	2224	2224	2224	
5°	2216	2213	2211	2222	2226	210
15°	2124	2128	2143	2168	2179	598
25°	1944	1956	1995	2036	2053	895
35°	1693	1708	1760	1804	1815	1058
45°	1383	1402	1447	1483	1492	1067
55°	1032	1042	1079	1124	1111	922
65°	651	657	672	683	685	644
75°	295	298	300	298	302	317
85°	54	58	56	54	54	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2224.1	2224.1	2224.1	2224.1	2224.1
2.5°	2224.1	2221.9	2217.7	2224.1	2228.4
5°	2215.5	2213.4	2211.2	2221.9	2226.2
7.5°	2200.5	2200.5	2202.7	2213.4	2217.7
10°	2179.1	2181.3	2185.6	2202.7	2207.0
12.5°	2153.4	2157.7	2168.4	2187.7	2196.3
15°	2123.5	2127.8	2142.7	2168.4	2179.1
17.5°	2084.9	2093.5	2114.9	2144.9	2155.6
20°	2042.1	2052.8	2080.7	2114.9	2127.8
22.5°	1995.0	2005.7	2042.1	2078.5	2091.4
25°	1943.7	1956.5	1995.0	2035.7	2052.8
27.5°	1888.0	1903.0	1945.8	1988.6	2005.7
30°	1825.9	1843.1	1888.0	1933.0	1947.9
32.5°	1759.6	1776.7	1828.1	1870.9	1885.9
35°	1693.2	1708.2	1759.6	1804.5	1815.2
37.5°	1618.3	1635.4	1691.1	1729.6	1744.6
40°	1545.5	1562.6	1611.9	1650.4	1663.2
42.5°	1466.3	1483.4	1532.7	1569.1	1579.8
45°	1382.8	1402.1	1447.0	1483.4	1492.0
47.5°	1299.3	1314.3	1361.4	1393.5	1400.0
50°	1211.6	1226.6	1269.4	1301.5	1307.9
52.5°	1119.5	1143.1	1177.3	1200.9	1228.7
55°	1031.8	1042.5	1078.9	1123.8	1111.0
57.5°	944.0	950.4	980.4	999.7	1003.9
60°	847.7	856.2	879.8	890.5	901.2
62.5°	747.1	753.5	781.3	792.0	796.3
65°	650.7	657.2	672.1	682.9	685.0
67.5°	552.3	558.7	571.5	580.1	618.6
70°	462.4	466.7	473.1	490.2	479.5
72.5°	376.7	378.9	385.3	385.3	387.4
75°	295.4	297.5	299.7	297.5	301.8
77.5°	220.5	224.8	226.9	224.8	222.6
80°	158.4	162.7	160.5	156.3	156.3
82.5°	102.7	104.9	102.7	100.6	100.6
85°	53.5	57.8	55.7	53.5	53.5
87.5°	19.3	21.4	23.5	25.7	25.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)