

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: P297024

Luminaire Tested: **D3X-WG-67L83050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297024  
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-67L83050-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5951.0 lumens  
Efficiency: N/A  
Efficacy: 122.7 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

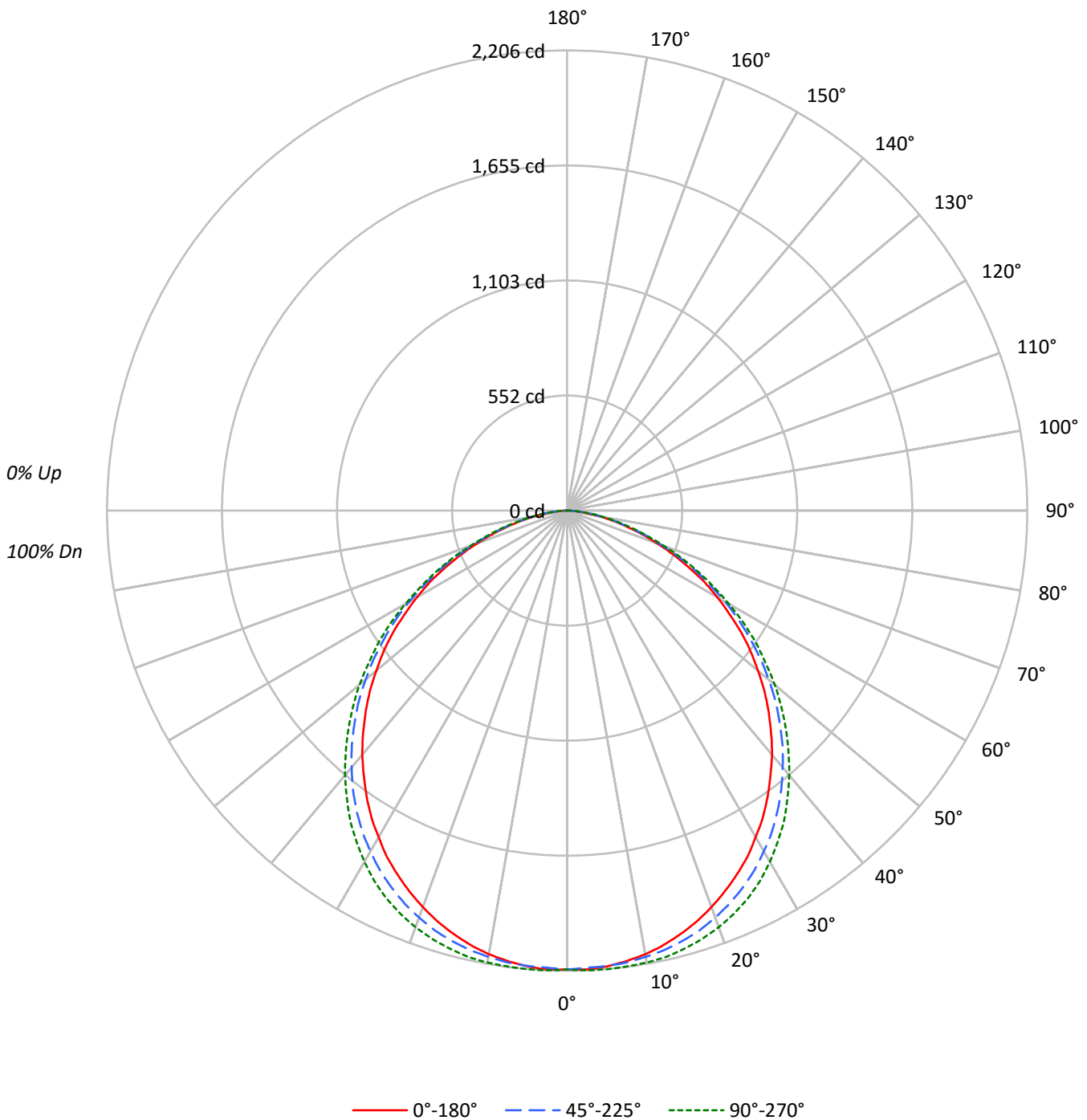
Input Watts (W): 48.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2960	2960	2960
5°	2963	2960	2980
10°	2950	2968	3006
15°	2928	2975	3029
20°	2897	2973	3043
25°	2858	2959	3044
30°	2809	2931	3020
35°	2752	2889	2980
40°	2685	2823	2909
45°	2600	2742	2823
50°	2499	2642	2722
55°	2390	2510	2590
60°	2237	2352	2409
65°	2043	2152	2206
70°	1795	1887	1937
75°	1518	1596	1651
80°	1206	1321	1354
85°	823	988	954



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.0	3.5
10°-20°	603.5	10.1
20°-30°	917.1	15.4
30°-40°	1094.3	18.4
40°-50°	1105.3	18.6
50°-60°	952.2	16.0
60°-70°	663.8	11.2
70°-80°	329.0	5.5
80°-90°	76.7	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°	1729.6	29.1
0°-40°	2824.0	47.5
0°-60°	4881.5	82.0
0°-90°	5951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5951.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2200	2200	2200	2200	2200	
5°	2194	2191	2191	2202	2206	208
15°	2102	2113	2136	2164	2174	593
25°	1925	1950	1993	2034	2051	887
35°	1676	1703	1759	1799	1814	1047
45°	1366	1396	1441	1475	1484	1053
55°	1019	1040	1070	1096	1104	908
65°	642	654	676	682	693	637
75°	292	296	307	313	318	315
85°	53	64	64	60	62	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2200.0	2200.0	2200.0	2200.0	2200.0
2.5°	2202.1	2197.8	2193.6	2202.1	2206.4
5°	2193.6	2191.4	2191.4	2202.1	2206.4
7.5°	2178.6	2178.6	2185.0	2200.0	2204.2
10°	2159.5	2163.7	2172.2	2193.6	2200.0
12.5°	2133.9	2142.4	2157.3	2182.9	2191.4
15°	2101.9	2112.6	2136.0	2163.7	2174.4
17.5°	2065.7	2080.6	2110.4	2142.4	2153.1
20°	2023.0	2042.2	2076.3	2112.6	2125.3
22.5°	1976.1	1999.6	2037.9	2076.3	2091.2
25°	1925.0	1950.5	1993.2	2033.7	2050.7
27.5°	1871.7	1897.3	1944.1	1984.7	2001.7
30°	1807.7	1837.6	1886.6	1929.2	1944.1
32.5°	1745.9	1775.7	1826.9	1865.3	1880.2
35°	1675.5	1703.3	1758.7	1799.2	1814.1
37.5°	1600.9	1632.9	1686.2	1722.4	1735.2
40°	1528.5	1556.2	1607.3	1643.6	1656.4
42.5°	1447.5	1477.3	1528.5	1560.4	1571.1
45°	1366.4	1396.3	1441.1	1475.2	1483.7
47.5°	1283.3	1311.0	1355.8	1383.5	1392.0
50°	1193.8	1219.4	1262.0	1289.7	1300.4
52.5°	1108.5	1132.0	1168.2	1191.6	1198.0
55°	1019.0	1040.3	1070.1	1095.7	1104.2
57.5°	923.0	946.5	974.2	995.5	1001.9
60°	831.4	850.6	874.0	893.2	895.3
62.5°	741.8	750.4	771.7	788.7	790.9
65°	641.7	654.4	675.8	682.2	692.8
67.5°	550.0	558.5	575.6	584.1	592.6
70°	456.2	462.6	479.6	490.3	492.4
72.5°	375.2	377.3	390.1	398.6	400.8
75°	292.0	296.3	307.0	313.4	317.6
77.5°	221.7	226.0	234.5	238.8	238.8
80°	155.6	162.0	170.5	172.7	174.8
82.5°	100.2	108.7	115.1	117.2	113.0
85°	53.3	64.0	64.0	59.7	61.8
87.5°	19.2	23.4	25.6	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)