

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: P296967

Luminaire Tested: **D3X-WD-67L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296967  
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-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5811.0 lumens  
Efficiency: N/A  
Efficacy: 116.7 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

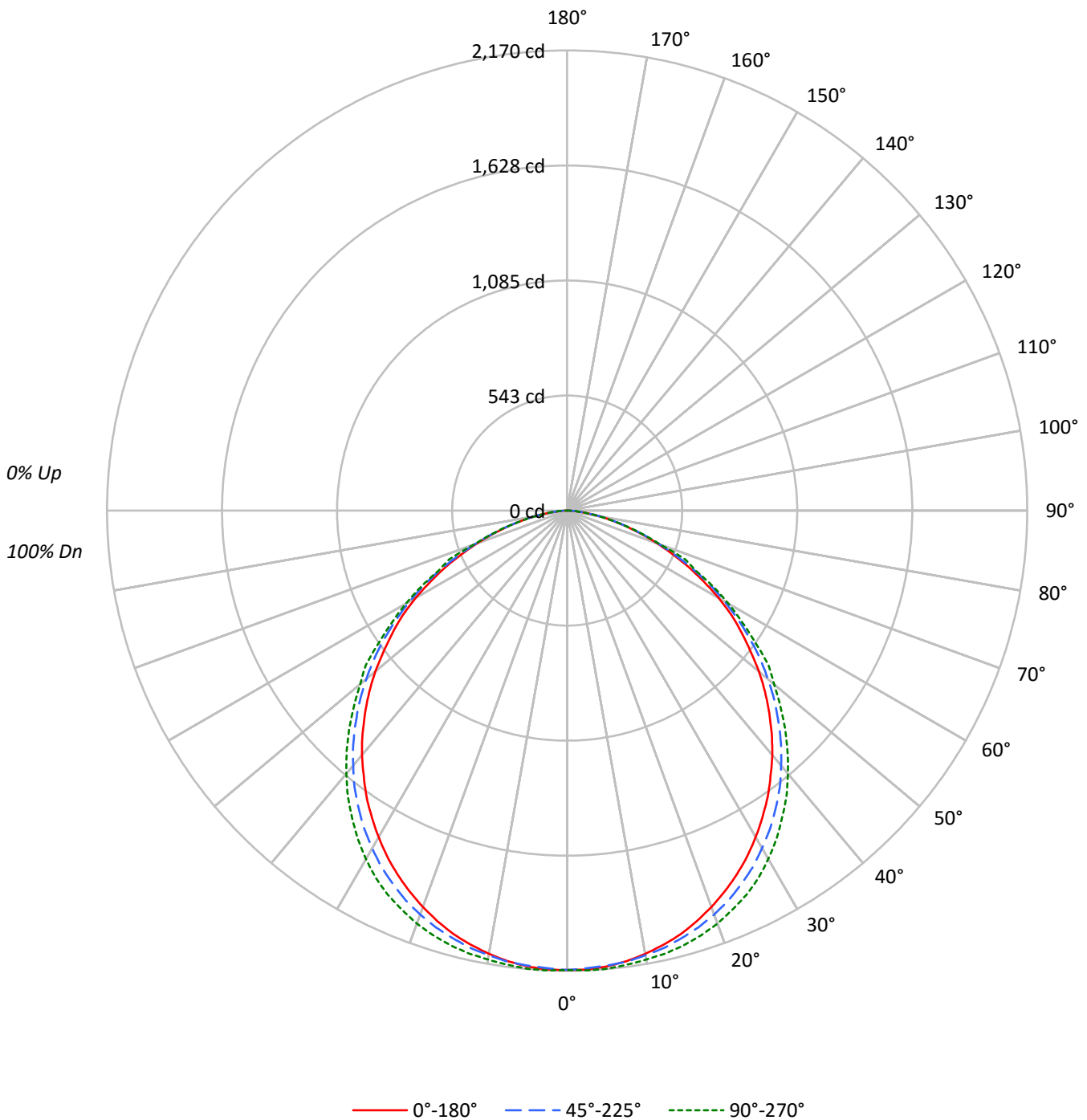
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	2915	2915	2915
5°	2915	2909	2929
10°	2900	2908	2937
15°	2881	2907	2957
20°	2848	2902	2967
25°	2811	2885	2968
30°	2763	2857	2948
35°	2709	2815	2904
40°	2644	2758	2845
45°	2563	2682	2765
50°	2470	2588	2667
55°	2358	2465	2538
60°	2222	2306	2362
65°	2018	2084	2124
70°	1772	1813	1837
75°	1496	1517	1528
80°	1196	1212	1179
85°	804	837	804



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.3	3.5
10°-20°	590.4	10.2
20°-30°	895.8	15.4
30°-40°	1069.5	18.4
40°-50°	1082.7	18.6
50°-60°	935.9	16.1
60°-70°	648.6	11.2
70°-80°	313.8	5.4
80°-90°	69.0	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°	1691.5	29.1
0°-40°	2760.9	47.5
0°-60°	4779.5	82.2
0°-90°	5811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5811.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2166	2166	2166	2166	2166	
5°	2158	2156	2154	2164	2168	205
15°	2068	2072	2087	2112	2122	583
25°	1893	1906	1943	1983	2000	872
35°	1649	1664	1714	1758	1768	1030
45°	1347	1366	1409	1445	1453	1039
55°	1005	1015	1051	1095	1082	898
65°	634	640	655	665	667	627
75°	288	290	292	290	294	309
85°	52	56	54	52	52	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2166.3	2166.3	2166.3	2166.3	2166.3
2.5°	2166.3	2164.2	2160.0	2166.3	2170.5
5°	2158.0	2155.9	2153.8	2164.2	2168.4
7.5°	2143.4	2143.4	2145.4	2155.9	2160.0
10°	2122.5	2124.6	2128.8	2145.4	2149.6
12.5°	2097.5	2101.7	2112.1	2130.9	2139.2
15°	2068.3	2072.5	2087.1	2112.1	2122.5
17.5°	2030.8	2039.1	2060.0	2089.2	2099.6
20°	1989.1	1999.5	2026.6	2060.0	2072.5
22.5°	1943.2	1953.6	1989.1	2024.5	2037.0
25°	1893.2	1905.7	1943.2	1982.8	1999.5
27.5°	1839.0	1853.6	1895.3	1937.0	1953.6
30°	1778.5	1795.2	1839.0	1882.7	1897.3
32.5°	1713.9	1730.5	1780.6	1822.3	1836.9
35°	1649.2	1663.8	1713.9	1757.6	1768.1
37.5°	1576.2	1592.9	1647.1	1684.7	1699.3
40°	1505.4	1522.0	1570.0	1607.5	1620.0
42.5°	1428.2	1444.9	1492.8	1528.3	1538.7
45°	1346.9	1365.7	1409.4	1444.9	1453.2
47.5°	1265.6	1280.2	1326.1	1357.3	1363.6
50°	1180.1	1194.7	1236.4	1267.7	1273.9
52.5°	1090.4	1113.4	1146.7	1169.7	1196.8
55°	1005.0	1015.4	1050.8	1094.6	1082.1
57.5°	919.5	925.7	954.9	973.7	977.9
60°	825.7	834.0	856.9	867.4	877.8
62.5°	727.7	733.9	761.0	771.4	775.6
65°	633.8	640.1	654.7	665.1	667.2
67.5°	537.9	544.2	556.7	565.0	602.6
70°	450.4	454.5	460.8	477.5	467.0
72.5°	367.0	369.0	375.3	375.3	377.4
75°	287.7	289.8	291.9	289.8	294.0
77.5°	214.8	218.9	221.0	218.9	216.8
80°	154.3	158.5	156.4	152.2	152.2
82.5°	100.1	102.2	100.1	98.0	98.0
85°	52.1	56.3	54.2	52.1	52.1
87.5°	18.8	20.8	22.9	25.0	25.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)