

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: P297027

Luminaire Tested: **D3X-WG-67L83050-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297027  
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-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6676.0 lumens  
Efficiency: N/A  
Efficacy: 130.6 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

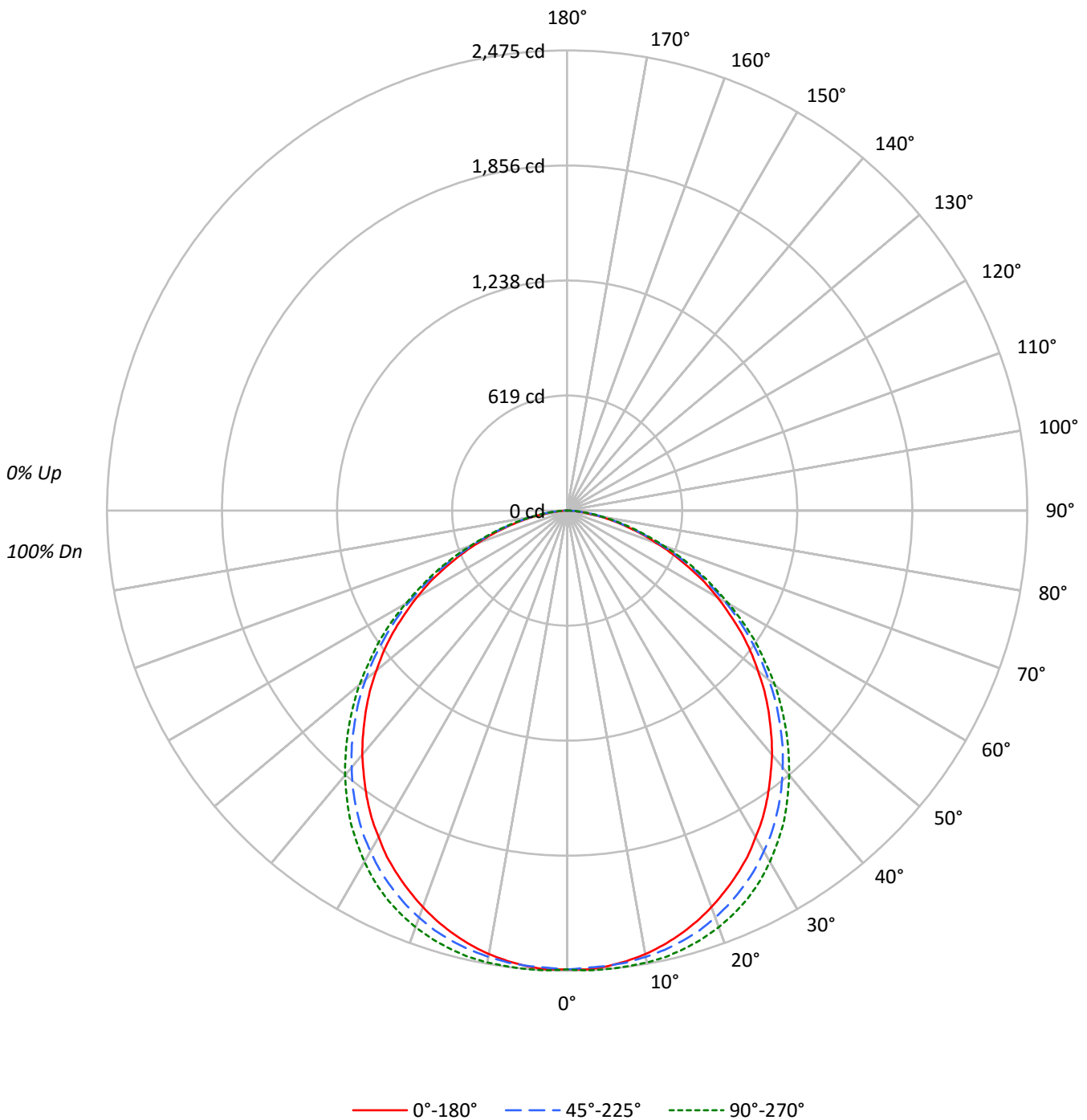
Input Watts (W): 51.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27

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

	0°	45°	90°
0°	3321	3321	3321
5°	3324	3320	3343
10°	3310	3329	3372
15°	3285	3338	3398
20°	3250	3335	3414
25°	3206	3320	3415
30°	3151	3288	3388
35°	3087	3241	3343
40°	3012	3167	3264
45°	2917	3076	3167
50°	2803	2963	3054
55°	2681	2816	2906
60°	2510	2639	2703
65°	2292	2414	2474
70°	2013	2117	2173
75°	1703	1790	1852
80°	1353	1482	1519
85°	923	1107	1071



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.5	3.5
10°-20°	677.0	10.1
20°-30°	1028.8	15.4
30°-40°	1227.7	18.4
40°-50°	1239.9	18.6
50°-60°	1068.3	16.0
60°-70°	744.7	11.2
70°-80°	369.0	5.5
80°-90°	86.0	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°	1940.4	29.1
0°-40°	3168.0	47.5
0°-60°	5476.2	82.0
0°-90°	6676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2461	2458	2458	2470	2475	234
15°	2358	2370	2396	2427	2439	665
25°	2160	2188	2236	2281	2301	995
35°	1880	1911	1973	2018	2035	1175
45°	1533	1566	1617	1655	1664	1182
55°	1143	1167	1200	1229	1239	1019
65°	720	734	758	765	777	715
75°	328	332	344	352	356	353
85°	60	72	72	67	69	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2468.0	2468.0	2468.0	2468.0	2468.0
2.5°	2470.4	2465.6	2460.8	2470.4	2475.2
5°	2460.8	2458.4	2458.4	2470.4	2475.2
7.5°	2444.1	2444.1	2451.2	2468.0	2472.8
10°	2422.5	2427.3	2436.9	2460.8	2468.0
12.5°	2393.8	2403.4	2420.1	2448.8	2458.4
15°	2358.0	2369.9	2396.2	2427.3	2439.3
17.5°	2317.3	2334.1	2367.5	2403.4	2415.4
20°	2269.5	2291.0	2329.3	2369.9	2384.3
22.5°	2216.9	2243.2	2286.2	2329.3	2346.0
25°	2159.5	2188.2	2236.0	2281.4	2300.6
27.5°	2099.7	2128.4	2181.0	2226.4	2245.6
30°	2027.9	2061.4	2116.4	2164.3	2181.0
32.5°	1958.6	1992.1	2049.5	2092.5	2109.3
35°	1879.7	1910.8	1972.9	2018.4	2035.1
37.5°	1796.0	1831.9	1891.6	1932.3	1946.6
40°	1714.7	1745.8	1803.2	1843.8	1858.2
42.5°	1623.8	1657.3	1714.7	1750.5	1762.5
45°	1532.9	1566.4	1616.6	1654.9	1664.4
47.5°	1439.7	1470.7	1521.0	1552.1	1561.6
50°	1339.2	1367.9	1415.7	1446.8	1458.8
52.5°	1243.6	1269.9	1310.5	1336.8	1344.0
55°	1143.1	1167.0	1200.5	1229.2	1238.8
57.5°	1035.5	1061.8	1092.9	1116.8	1124.0
60°	932.7	954.2	980.5	1002.0	1004.4
62.5°	832.2	841.8	865.7	884.8	887.2
65°	719.8	734.2	758.1	765.3	777.2
67.5°	617.0	626.6	645.7	655.3	664.8
70°	511.8	518.9	538.1	550.0	552.4
72.5°	420.9	423.3	437.6	447.2	449.6
75°	327.6	332.4	344.4	351.5	356.3
77.5°	248.7	253.5	263.1	267.8	267.8
80°	174.6	181.8	191.3	193.7	196.1
82.5°	112.4	122.0	129.1	131.5	126.7
85°	59.8	71.7	71.7	67.0	69.4
87.5°	21.5	26.3	28.7	31.1	31.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)