

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: P296982

Luminaire Tested: **D3X-WD-80L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296982  
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-80L92765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6476.0 lumens  
Efficiency: N/A  
Efficacy: 106.3 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

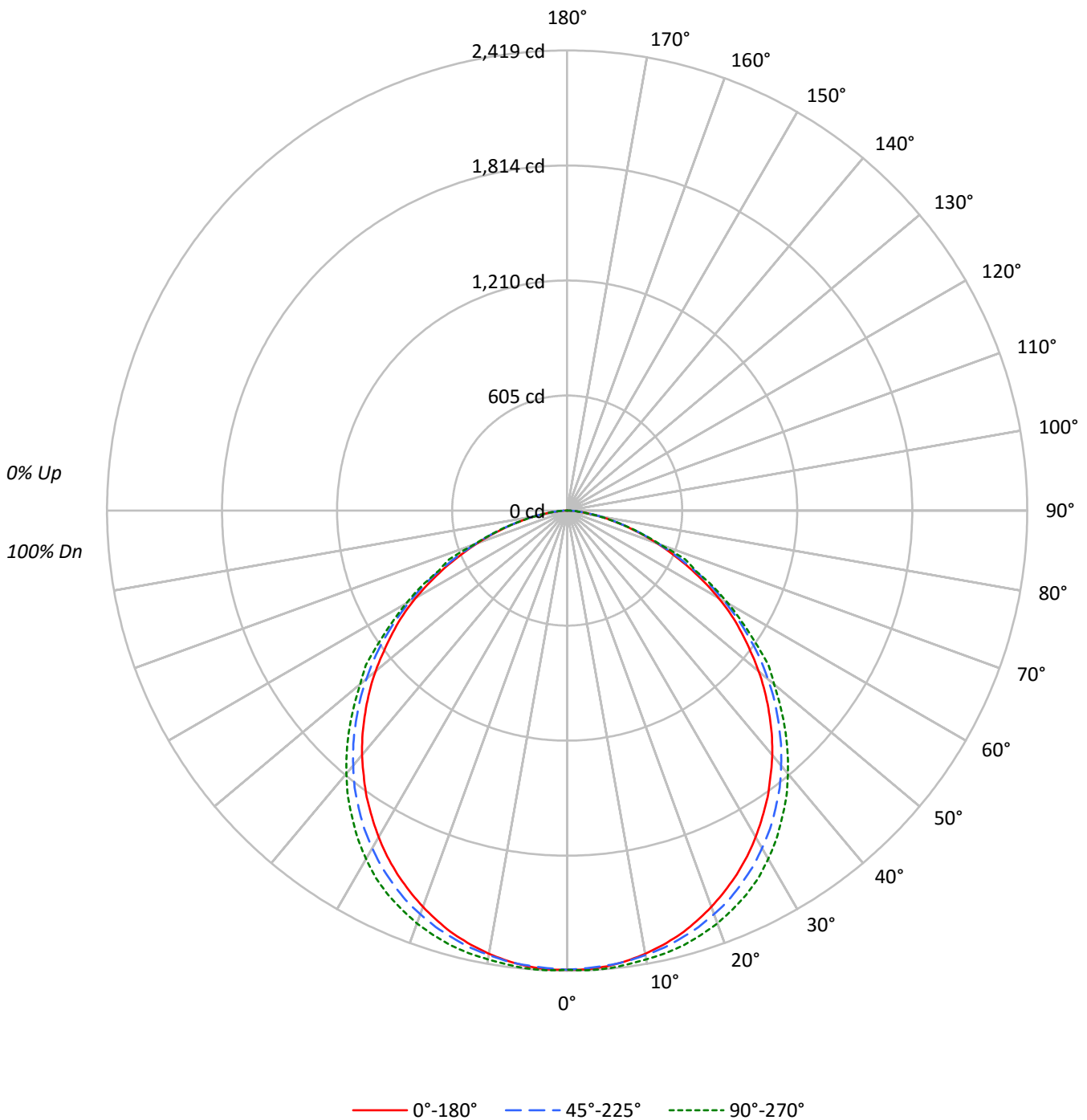
Input Watts (W): 60.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3248	3248	3248
5°	3248	3242	3264
10°	3232	3241	3273
15°	3211	3240	3295
20°	3174	3234	3307
25°	3132	3215	3308
30°	3079	3184	3285
35°	3019	3137	3236
40°	2947	3073	3171
45°	2856	2989	3082
50°	2753	2884	2972
55°	2627	2747	2829
60°	2476	2570	2632
65°	2249	2323	2367
70°	1974	2020	2048
75°	1667	1691	1703
80°	1332	1351	1314
85°	897	932	897



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.8	3.5
10°-20°	658.0	10.2
20°-30°	998.3	15.4
30°-40°	1191.8	18.4
40°-50°	1206.6	18.6
50°-60°	1043.0	16.1
60°-70°	722.9	11.2
70°-80°	349.8	5.4
80°-90°	76.9	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°	1885.0	29.1
0°-40°	3076.9	47.5
0°-60°	5326.5	82.2
0°-90°	6476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2414	2414	2414	2414	2414	
5°	2405	2403	2400	2412	2416	228
15°	2305	2310	2326	2354	2365	650
25°	2110	2124	2166	2210	2228	972
35°	1838	1854	1910	1959	1970	1148
45°	1501	1522	1571	1610	1620	1158
55°	1120	1132	1171	1220	1206	1001
65°	706	713	730	741	744	699
75°	321	323	325	323	328	344
85°	58	63	60	58	58	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2414.2	2414.2	2414.2	2414.2	2414.2
2.5°	2414.2	2411.9	2407.2	2414.2	2418.9
5°	2404.9	2402.6	2400.3	2411.9	2416.5
7.5°	2388.6	2388.6	2391.0	2402.6	2407.2
10°	2365.4	2367.7	2372.4	2391.0	2395.6
12.5°	2337.5	2342.2	2353.8	2374.7	2384.0
15°	2305.0	2309.6	2325.9	2353.8	2365.4
17.5°	2263.2	2272.5	2295.7	2328.2	2339.9
20°	2216.7	2228.3	2258.5	2295.7	2309.6
22.5°	2165.6	2177.2	2216.7	2256.2	2270.1
25°	2109.8	2123.8	2165.6	2209.7	2228.3
27.5°	2049.4	2065.7	2112.1	2158.6	2177.2
30°	1982.0	2000.6	2049.4	2098.2	2114.5
32.5°	1910.0	1928.6	1984.3	2030.8	2047.1
35°	1838.0	1854.2	1910.0	1958.8	1970.4
37.5°	1756.6	1775.2	1835.6	1877.5	1893.7
40°	1677.6	1696.2	1749.7	1791.5	1805.4
42.5°	1591.7	1610.2	1663.7	1703.2	1714.8
45°	1501.0	1521.9	1570.7	1610.2	1619.5
47.5°	1410.4	1426.7	1477.8	1512.7	1519.6
50°	1315.2	1331.4	1377.9	1412.7	1419.7
52.5°	1215.2	1240.8	1278.0	1303.5	1333.7
55°	1120.0	1131.6	1171.1	1219.9	1205.9
57.5°	1024.7	1031.7	1064.2	1085.1	1089.8
60°	920.1	929.4	955.0	966.6	978.2
62.5°	810.9	817.9	848.1	859.7	864.4
65°	706.4	713.3	729.6	741.2	743.5
67.5°	599.5	606.5	620.4	629.7	671.5
70°	501.9	506.5	513.5	532.1	520.5
72.5°	409.0	411.3	418.2	418.2	420.6
75°	320.7	323.0	325.3	323.0	327.6
77.5°	239.3	244.0	246.3	244.0	241.7
80°	171.9	176.6	174.3	169.6	169.6
82.5°	111.5	113.9	111.5	109.2	109.2
85°	58.1	62.7	60.4	58.1	58.1
87.5°	20.9	23.2	25.6	27.9	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)