

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: P297110

Luminaire Tested: **D3X-WG-67L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297110  
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-67L82765-LD5-UNV-24-T1-W2A-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6583.0 lumens  
Efficiency: N/A  
Efficacy: 129.6 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

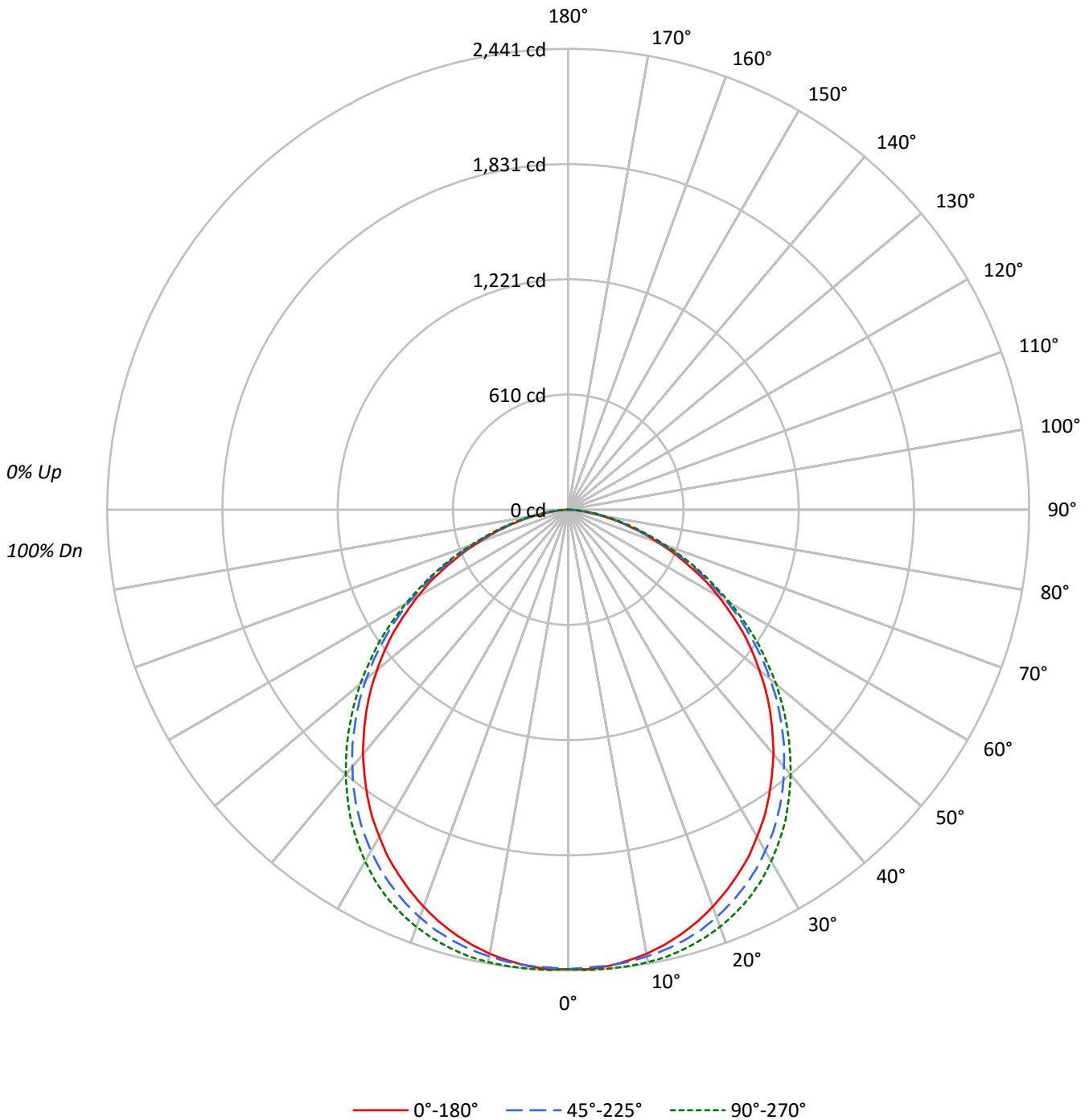
Input Watts (W): 50.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3274	3274	3274
5°	3277	3274	3296
10°	3264	3283	3325
15°	3239	3291	3350
20°	3204	3289	3366
25°	3161	3273	3368
30°	3107	3242	3341
35°	3044	3196	3296
40°	2970	3123	3218
45°	2876	3033	3123
50°	2764	2922	3011
55°	2644	2777	2865
60°	2475	2602	2665
65°	2260	2380	2440
70°	1985	2087	2143
75°	1680	1765	1827
80°	1333	1462	1499
85°	911	1091	1056



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.2	3.5
10°-20°	667.6	10.1
20°-30°	1014.5	15.4
30°-40°	1210.6	18.4
40°-50°	1222.6	18.6
50°-60°	1053.4	16.0
60°-70°	734.3	11.2
70°-80°	363.9	5.5
80°-90°	84.8	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°	1913.3	29.1
0°-40°	3123.9	47.5
0°-60°	5399.9	82.0
0°-90°	6583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6583.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2434	2434	2434	2434	2434	
5°	2426	2424	2424	2436	2441	230
15°	2325	2337	2363	2394	2405	656
25°	2129	2158	2205	2250	2268	981
35°	1854	1884	1946	1990	2007	1158
45°	1512	1545	1594	1632	1641	1165
55°	1127	1151	1184	1212	1222	1005
65°	710	724	748	755	766	705
75°	323	328	340	347	351	348
85°	59	71	71	66	68	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2433.6	2433.6	2433.6	2433.6	2433.6
2.5°	2436.0	2431.2	2426.5	2436.0	2440.7
5°	2426.5	2424.2	2424.2	2436.0	2440.7
7.5°	2410.0	2410.0	2417.1	2433.6	2438.3
10°	2388.8	2393.5	2402.9	2426.5	2433.6
12.5°	2360.5	2369.9	2386.4	2414.7	2424.2
15°	2325.1	2336.9	2362.9	2393.5	2405.3
17.5°	2285.0	2301.5	2334.6	2369.9	2381.7
20°	2237.9	2259.1	2296.8	2336.9	2351.1
22.5°	2186.0	2211.9	2254.4	2296.8	2313.3
25°	2129.4	2157.7	2204.9	2249.7	2268.5
27.5°	2070.4	2098.7	2150.6	2195.4	2214.3
30°	1999.7	2032.7	2086.9	2134.1	2150.6
32.5°	1931.3	1964.3	2020.9	2063.4	2079.9
35°	1853.5	1884.2	1945.5	1990.3	2006.8
37.5°	1771.0	1806.3	1865.3	1905.4	1919.5
40°	1690.8	1721.4	1778.0	1818.1	1832.3
42.5°	1601.2	1634.2	1690.8	1726.2	1737.9
45°	1511.6	1544.6	1594.1	1631.8	1641.3
47.5°	1419.6	1450.3	1499.8	1530.4	1539.9
50°	1320.6	1348.9	1396.0	1426.7	1438.5
52.5°	1226.2	1252.2	1292.3	1318.2	1325.3
55°	1127.2	1150.8	1183.8	1212.1	1221.5
57.5°	1021.1	1047.0	1077.7	1101.2	1108.3
60°	919.7	940.9	966.8	988.1	990.4
62.5°	820.6	830.1	853.6	872.5	874.9
65°	709.8	723.9	747.5	754.6	766.4
67.5°	608.4	617.8	636.7	646.1	655.6
70°	504.6	511.7	530.6	542.4	544.7
72.5°	415.0	417.4	431.5	441.0	443.3
75°	323.1	327.8	339.6	346.6	351.4
77.5°	245.2	250.0	259.4	264.1	264.1
80°	172.1	179.2	188.7	191.0	193.4
82.5°	110.8	120.3	127.3	129.7	125.0
85°	59.0	70.7	70.7	66.0	68.4
87.5°	21.2	25.9	28.3	30.7	30.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)