

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: P297106

Luminaire Tested: **D3X-WG-67L82765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297106  
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-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: 6398.0 lumens  
Efficiency: N/A  
Efficacy: 129.0 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

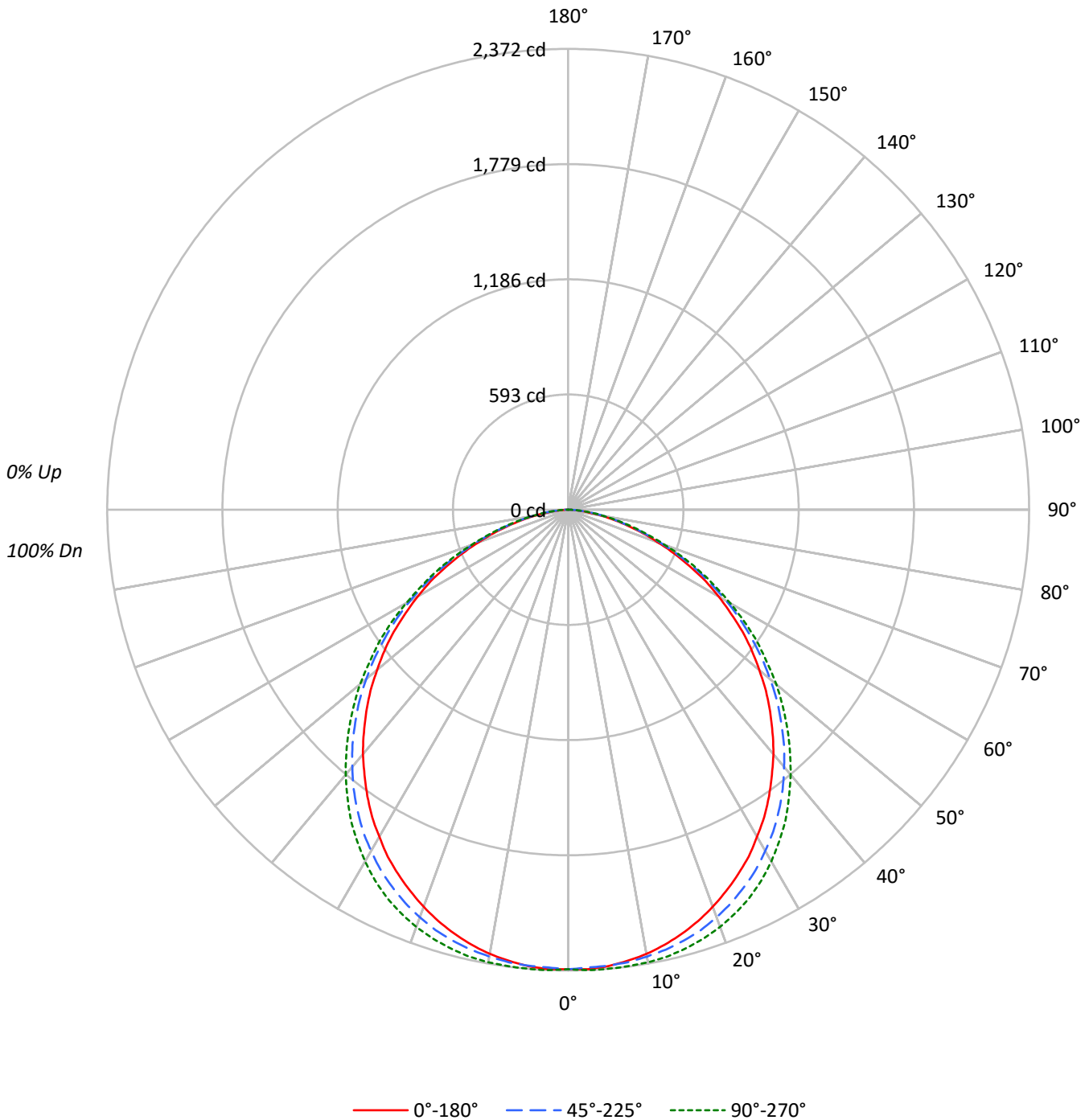
Input Watts (W): 49.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3182	3182	3182
5°	3185	3182	3204
10°	3172	3191	3231
15°	3148	3199	3256
20°	3114	3196	3272
25°	3072	3181	3273
30°	3019	3151	3247
35°	2959	3106	3204
40°	2886	3035	3128
45°	2795	2948	3035
50°	2686	2840	2926
55°	2570	2699	2785
60°	2405	2529	2590
65°	2196	2313	2372
70°	1930	2029	2083
75°	1632	1716	1775
80°	1296	1420	1456
85°	885	1062	1027



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.7	3.5
10°-20°	648.8	10.1
20°-30°	986.0	15.4
30°-40°	1176.5	18.4
40°-50°	1188.3	18.6
50°-60°	1023.8	16.0
60°-70°	713.7	11.2
70°-80°	353.7	5.5
80°-90°	82.5	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°	1859.6	29.1
0°-40°	3036.1	47.5
0°-60°	5248.2	82.0
0°-90°	6398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6398.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2365	2365	2365	2365	2365	
5°	2358	2356	2356	2368	2372	224
15°	2260	2271	2296	2326	2338	637
25°	2070	2097	2143	2186	2205	953
35°	1801	1831	1891	1934	1950	1126
45°	1469	1501	1549	1586	1595	1132
55°	1096	1118	1150	1178	1187	976
65°	690	704	726	733	745	685
75°	314	319	330	337	342	339
85°	57	69	69	64	66	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2365.2	2365.2	2365.2	2365.2	2365.2
2.5°	2367.5	2362.9	2358.3	2367.5	2372.1
5°	2358.3	2356.0	2356.0	2367.5	2372.1
7.5°	2342.3	2342.3	2349.2	2365.2	2369.8
10°	2321.7	2326.2	2335.4	2358.3	2365.2
12.5°	2294.2	2303.3	2319.4	2346.9	2356.0
15°	2259.8	2271.2	2296.4	2326.2	2337.7
17.5°	2220.8	2236.9	2268.9	2303.3	2314.8
20°	2175.0	2195.6	2232.3	2271.2	2285.0
22.5°	2124.6	2149.8	2191.0	2232.3	2248.3
25°	2069.6	2097.1	2142.9	2186.4	2204.8
27.5°	2012.3	2039.8	2090.2	2133.7	2152.1
30°	1943.5	1975.6	2028.3	2074.1	2090.2
32.5°	1877.0	1909.1	1964.1	2005.4	2021.4
35°	1801.4	1831.2	1890.8	1934.3	1950.4
37.5°	1721.2	1755.6	1812.9	1851.8	1865.6
40°	1643.3	1673.1	1728.1	1767.0	1780.8
42.5°	1556.2	1588.3	1643.3	1677.6	1689.1
45°	1469.1	1501.2	1549.3	1586.0	1595.1
47.5°	1379.7	1409.5	1457.6	1487.4	1496.6
50°	1283.4	1310.9	1356.8	1386.6	1398.0
52.5°	1191.8	1217.0	1255.9	1281.2	1288.0
55°	1095.5	1118.4	1150.5	1178.0	1187.2
57.5°	992.4	1017.6	1047.4	1070.3	1077.2
60°	893.8	914.5	939.7	960.3	962.6
62.5°	797.6	806.7	829.7	848.0	850.3
65°	689.9	703.6	726.5	733.4	744.9
67.5°	591.3	600.5	618.8	628.0	637.1
70°	490.5	497.3	515.7	527.1	529.4
72.5°	403.4	405.7	419.4	428.6	430.9
75°	314.0	318.6	330.0	336.9	341.5
77.5°	238.4	242.9	252.1	256.7	256.7
80°	167.3	174.2	183.3	185.6	187.9
82.5°	107.7	116.9	123.8	126.1	121.5
85°	57.3	68.8	68.8	64.2	66.5
87.5°	20.6	25.2	27.5	29.8	29.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)