

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: P296828

Luminaire Tested: **D3X-WD-67L82765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296828  
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-67L82765-LD5-UNV-24-T1-W2A-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6537.0 lumens  
Efficiency: N/A  
Efficacy: 130.7 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

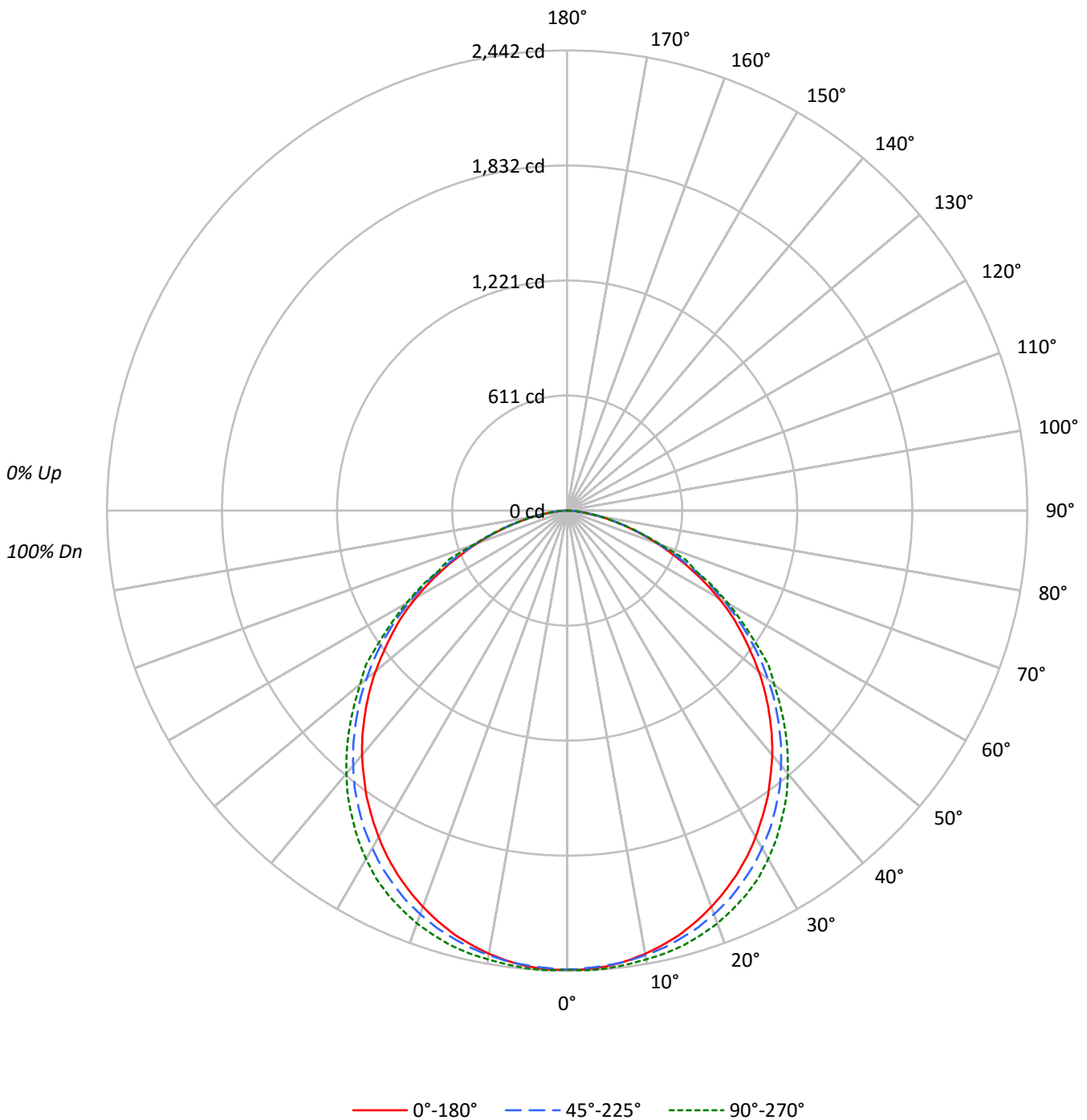
Input Watts (W): 50  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3279	3279	3279
5°	3279	3272	3295
10°	3262	3272	3304
15°	3241	3270	3326
20°	3204	3264	3338
25°	3162	3245	3339
30°	3108	3214	3316
35°	3047	3167	3267
40°	2974	3102	3201
45°	2883	3017	3111
50°	2779	2911	3000
55°	2652	2773	2856
60°	2499	2594	2657
65°	2270	2345	2390
70°	1993	2039	2067
75°	1683	1707	1719
80°	1345	1363	1327
85°	905	942	905



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.0	3.5
10°-20°	664.2	10.2
20°-30°	1007.7	15.4
30°-40°	1203.1	18.4
40°-50°	1218.0	18.6
50°-60°	1052.8	16.1
60°-70°	729.7	11.2
70°-80°	353.1	5.4
80°-90°	77.6	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°	1902.8	29.1
0°-40°	3105.9	47.5
0°-60°	5376.6	82.2
0°-90°	6537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6537.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2437	2437	2437	2437	2437	
5°	2428	2425	2423	2435	2439	230
15°	2327	2331	2348	2376	2388	656
25°	2130	2144	2186	2230	2249	981
35°	1855	1872	1928	1977	1989	1159
45°	1515	1536	1586	1625	1635	1169
55°	1130	1142	1182	1231	1217	1010
65°	713	720	736	748	751	706
75°	324	326	328	326	331	347
85°	59	63	61	59	59	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2436.9	2436.9	2436.9	2436.9	2436.9
2.5°	2436.9	2434.6	2429.9	2436.9	2441.6
5°	2427.6	2425.2	2422.9	2434.6	2439.3
7.5°	2411.1	2411.1	2413.5	2425.2	2429.9
10°	2387.7	2390.0	2394.7	2413.5	2418.2
12.5°	2359.5	2364.2	2376.0	2397.1	2406.5
15°	2326.7	2331.4	2347.8	2376.0	2387.7
17.5°	2284.5	2293.9	2317.3	2350.2	2361.9
20°	2237.6	2249.3	2279.8	2317.3	2331.4
22.5°	2186.0	2197.7	2237.6	2277.5	2291.5
25°	2129.7	2143.8	2186.0	2230.5	2249.3
27.5°	2068.7	2085.1	2132.0	2178.9	2197.7
30°	2000.7	2019.5	2068.7	2118.0	2134.4
32.5°	1928.0	1946.7	2003.0	2049.9	2066.4
35°	1855.3	1871.7	1928.0	1977.2	1989.0
37.5°	1773.2	1791.9	1852.9	1895.1	1911.6
40°	1693.4	1712.2	1766.1	1808.4	1822.4
42.5°	1606.6	1625.4	1679.4	1719.2	1731.0
45°	1515.2	1536.3	1585.5	1625.4	1634.8
47.5°	1423.7	1440.1	1491.7	1526.9	1533.9
50°	1327.5	1344.0	1390.9	1426.0	1433.1
52.5°	1226.7	1252.5	1290.0	1315.8	1346.3
55°	1130.5	1142.2	1182.1	1231.4	1217.3
57.5°	1034.4	1041.4	1074.2	1095.3	1100.0
60°	928.8	938.2	964.0	975.7	987.4
62.5°	818.6	825.6	856.1	867.8	872.5
65°	713.0	720.1	736.5	748.2	750.6
67.5°	605.1	612.2	626.2	635.6	677.8
70°	506.6	511.3	518.3	537.1	525.4
72.5°	412.8	415.1	422.2	422.2	424.5
75°	323.7	326.0	328.4	326.0	330.7
77.5°	241.6	246.3	248.6	246.3	243.9
80°	173.6	178.3	175.9	171.2	171.2
82.5°	112.6	114.9	112.6	110.2	110.2
85°	58.6	63.3	61.0	58.6	58.6
87.5°	21.1	23.5	25.8	28.1	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)