

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: P297112

Luminaire Tested: **D3X-WG-74L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297112  
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-74L82765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6600.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 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

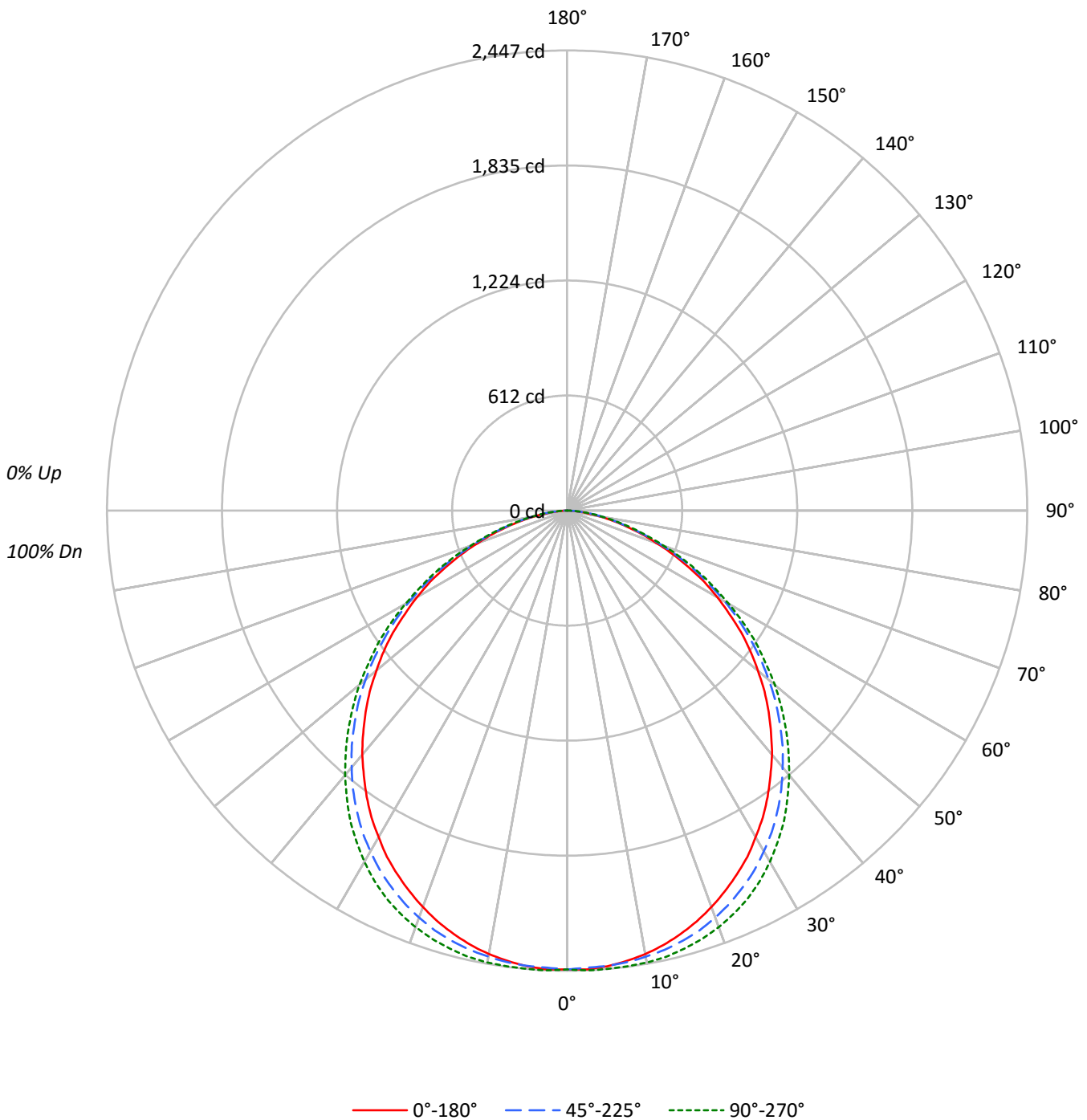
Input Watts (W): 54.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3283	3283	3283
5°	3286	3283	3305
10°	3272	3291	3334
15°	3247	3300	3359
20°	3212	3297	3375
25°	3169	3282	3377
30°	3115	3251	3350
35°	3052	3204	3305
40°	2977	3131	3227
45°	2884	3041	3131
50°	2771	2930	3019
55°	2651	2784	2873
60°	2481	2608	2672
65°	2266	2386	2446
70°	1990	2093	2148
75°	1684	1770	1831
80°	1337	1465	1502
85°	912	1095	1059



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.8	3.5
10°-20°	669.3	10.1
20°-30°	1017.1	15.4
30°-40°	1213.7	18.4
40°-50°	1225.8	18.6
50°-60°	1056.1	16.0
60°-70°	736.2	11.2
70°-80°	364.8	5.5
80°-90°	85.1	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°	1918.3	29.1
0°-40°	3132.0	47.5
0°-60°	5413.9	82.0
0°-90°	6600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2440	2440	2440	2440	2440	
5°	2433	2430	2430	2442	2447	231
15°	2331	2343	2369	2400	2412	657
25°	2135	2163	2211	2256	2274	983
35°	1858	1889	1950	1995	2012	1161
45°	1516	1549	1598	1636	1646	1168
55°	1130	1154	1187	1215	1225	1007
65°	712	726	750	757	768	707
75°	324	329	340	348	352	349
85°	59	71	71	66	69	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2439.9	2439.9	2439.9	2439.9	2439.9
2.5°	2442.2	2437.5	2432.8	2442.2	2447.0
5°	2432.8	2430.4	2430.4	2442.2	2447.0
7.5°	2416.2	2416.2	2423.3	2439.9	2444.6
10°	2395.0	2399.7	2409.1	2432.8	2439.9
12.5°	2366.6	2376.0	2392.6	2421.0	2430.4
15°	2331.1	2342.9	2369.0	2399.7	2411.5
17.5°	2290.9	2307.5	2340.6	2376.0	2387.9
20°	2243.6	2264.9	2302.8	2342.9	2357.1
22.5°	2191.6	2217.6	2260.2	2302.8	2319.3
25°	2134.9	2163.3	2210.6	2255.5	2274.4
27.5°	2075.8	2104.2	2156.2	2201.1	2220.0
30°	2004.9	2038.0	2092.3	2139.6	2156.2
32.5°	1936.3	1969.4	2026.1	2068.7	2085.2
35°	1858.3	1889.0	1950.5	1995.4	2012.0
37.5°	1775.5	1811.0	1870.1	1910.3	1924.5
40°	1695.1	1725.9	1782.6	1822.8	1837.0
42.5°	1605.3	1638.4	1695.1	1730.6	1742.4
45°	1515.5	1548.6	1598.2	1636.0	1645.5
47.5°	1423.3	1454.0	1503.6	1534.4	1543.8
50°	1324.0	1352.3	1399.6	1430.4	1442.2
52.5°	1229.4	1255.4	1295.6	1321.6	1328.7
55°	1130.1	1153.7	1186.8	1215.2	1224.7
57.5°	1023.7	1049.7	1080.5	1104.1	1111.2
60°	922.0	943.3	969.3	990.6	993.0
62.5°	822.8	832.2	855.8	874.8	877.1
65°	711.6	725.8	749.5	756.6	768.4
67.5°	610.0	619.4	638.3	647.8	657.3
70°	505.9	513.0	532.0	543.8	546.1
72.5°	416.1	418.5	432.7	442.1	444.5
75°	323.9	328.6	340.4	347.5	352.3
77.5°	245.9	250.6	260.1	264.8	264.8
80°	172.6	179.7	189.1	191.5	193.9
82.5°	111.1	120.6	127.7	130.0	125.3
85°	59.1	70.9	70.9	66.2	68.6
87.5°	21.3	26.0	28.4	30.7	30.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)