

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: P296979

Luminaire Tested: **D3X-WD-74L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296979  
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-74L92765-LD5-UNV-24-T1-W2A-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6623.0 lumens  
Efficiency: N/A  
Efficacy: 114.8 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

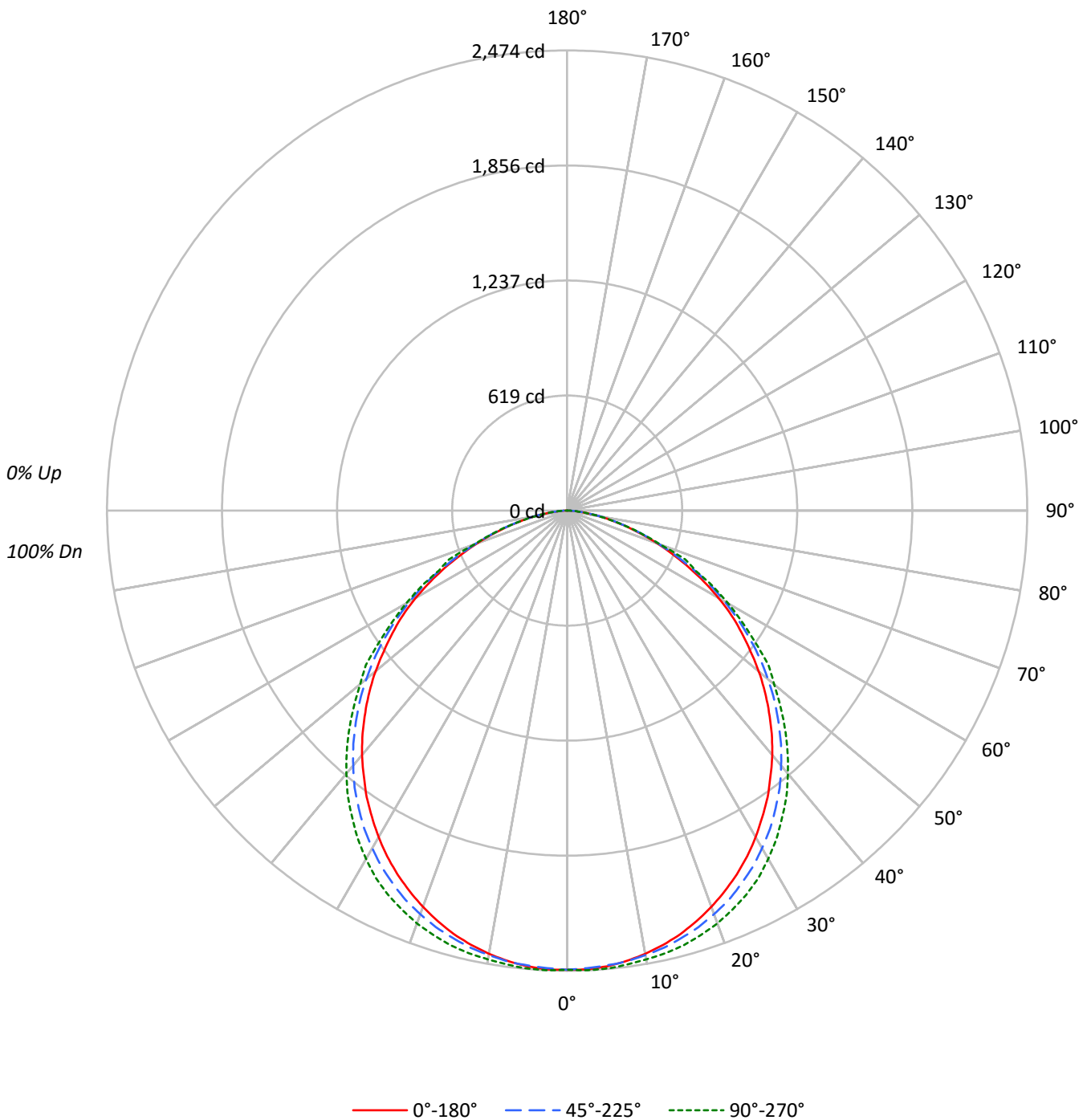
Input Watts (W): 57.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3322	3322	3322
5°	3322	3315	3338
10°	3305	3315	3347
15°	3284	3313	3370
20°	3246	3307	3382
25°	3203	3288	3383
30°	3149	3256	3360
35°	3087	3208	3310
40°	3013	3143	3243
45°	2921	3057	3152
50°	2815	2950	3039
55°	2687	2810	2893
60°	2532	2628	2692
65°	2300	2376	2421
70°	2019	2066	2094
75°	1705	1730	1742
80°	1362	1381	1344
85°	917	954	917



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.0	3.5
10°-20°	672.9	10.2
20°-30°	1020.9	15.4
30°-40°	1218.9	18.4
40°-50°	1234.0	18.6
50°-60°	1066.7	16.1
60°-70°	739.3	11.2
70°-80°	357.7	5.4
80°-90°	78.6	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°	1927.8	29.1
0°-40°	3146.7	47.5
0°-60°	5447.4	82.2
0°-90°	6623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6623.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2469	2469	2469	2469	2469	
5°	2460	2457	2455	2467	2471	233
15°	2357	2362	2379	2407	2419	664
25°	2158	2172	2215	2260	2279	994
35°	1880	1896	1953	2003	2015	1174
45°	1535	1556	1606	1647	1656	1184
55°	1145	1157	1198	1248	1233	1024
65°	722	730	746	758	760	715
75°	328	330	333	330	335	352
85°	59	64	62	59	59	77
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2469.0	2469.0	2469.0	2469.0	2469.0
2.5°	2469.0	2466.6	2461.9	2469.0	2473.8
5°	2459.5	2457.1	2454.7	2466.6	2471.4
7.5°	2442.9	2442.9	2445.2	2457.1	2461.9
10°	2419.1	2421.5	2426.2	2445.2	2450.0
12.5°	2390.6	2395.3	2407.2	2428.6	2438.1
15°	2357.3	2362.1	2378.7	2407.2	2419.1
17.5°	2314.5	2324.1	2347.8	2381.1	2393.0
20°	2267.0	2278.9	2309.8	2347.8	2362.1
22.5°	2214.7	2226.6	2267.0	2307.4	2321.7
25°	2157.7	2172.0	2214.7	2259.9	2278.9
27.5°	2095.9	2112.6	2160.1	2207.6	2226.6
30°	2027.0	2046.0	2095.9	2145.8	2162.5
32.5°	1953.3	1972.4	2029.4	2076.9	2093.5
35°	1879.7	1896.3	1953.3	2003.2	2015.1
37.5°	1796.5	1815.5	1877.3	1920.1	1936.7
40°	1715.7	1734.7	1789.4	1832.2	1846.4
42.5°	1627.8	1646.8	1701.5	1741.9	1753.7
45°	1535.1	1556.5	1606.4	1646.8	1656.3
47.5°	1442.4	1459.1	1511.3	1547.0	1554.1
50°	1345.0	1361.6	1409.2	1444.8	1451.9
52.5°	1242.8	1269.0	1307.0	1333.1	1364.0
55°	1145.4	1157.3	1197.7	1247.6	1233.3
57.5°	1048.0	1055.1	1088.4	1109.7	1114.5
60°	941.0	950.5	976.7	988.6	1000.4
62.5°	829.3	836.5	867.4	879.2	884.0
65°	722.4	729.5	746.2	758.0	760.4
67.5°	613.1	620.2	634.5	644.0	686.8
70°	513.3	518.0	525.2	544.2	532.3
72.5°	418.2	420.6	427.7	427.7	430.1
75°	327.9	330.3	332.7	330.3	335.1
77.5°	244.8	249.5	251.9	249.5	247.1
80°	175.8	180.6	178.2	173.5	173.5
82.5°	114.1	116.4	114.1	111.7	111.7
85°	59.4	64.2	61.8	59.4	59.4
87.5°	21.4	23.8	26.1	28.5	28.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)