

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: P297534

Luminaire Tested: **D3X-WO-74L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297534  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-74L92765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6566.0 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

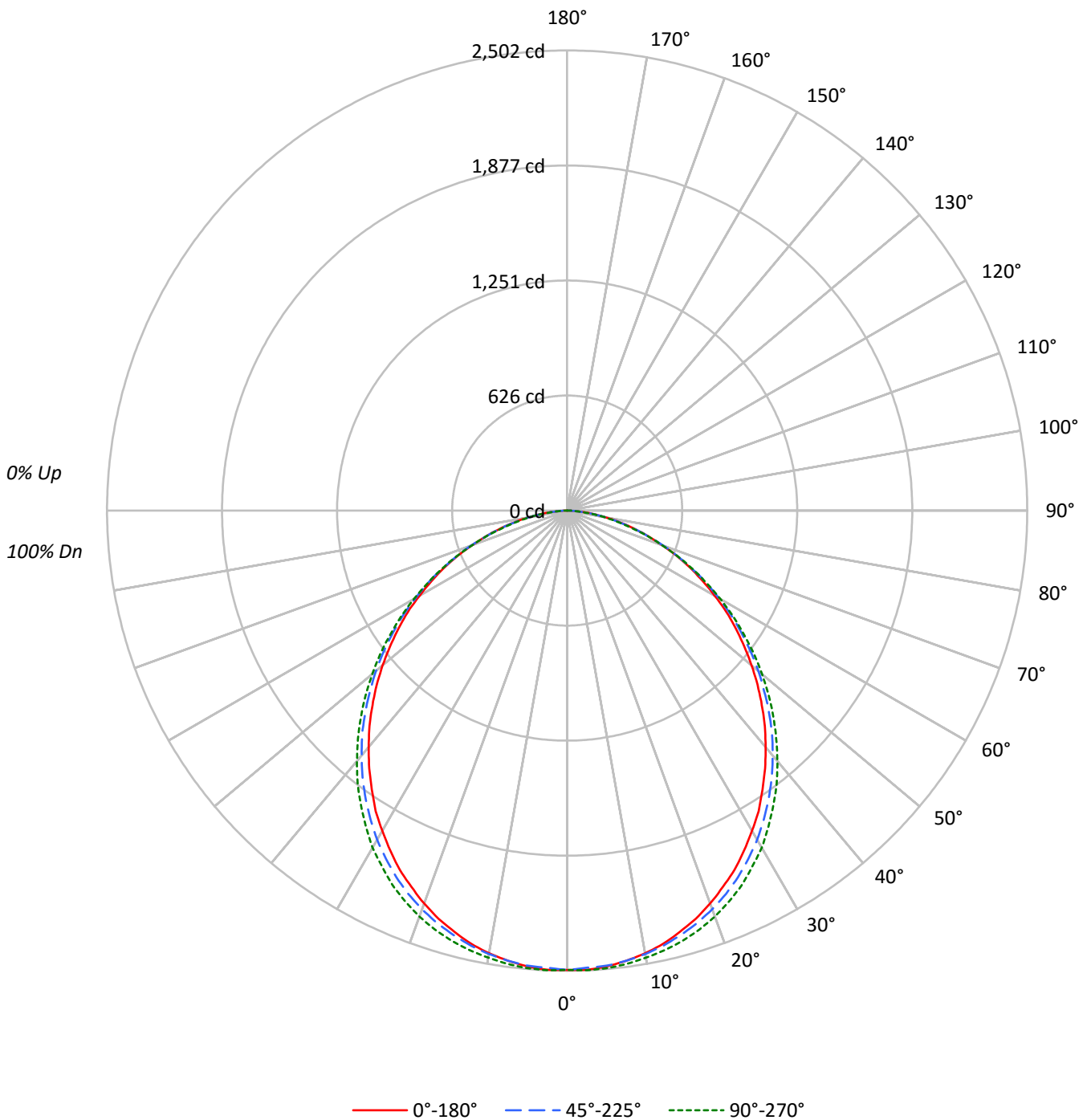
Input Watts (W): 55.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	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	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	3360	3360	3360
5°	3361	3355	3373
10°	3339	3345	3372
15°	3303	3327	3374
20°	3256	3303	3363
25°	3198	3264	3336
30°	3124	3210	3289
35°	3041	3139	3212
40°	2949	3054	3123
45°	2849	2954	3018
50°	2741	2843	2894
55°	2625	2708	2750
60°	2494	2559	2589
65°	2352	2387	2401
70°	2158	2184	2158
75°	1943	1932	1874
80°	1645	1628	1577
85°	1229	1195	1059



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.4	3.6
10°-20°	675.4	10.3
20°-30°	1012.7	15.4
30°-40°	1192.6	18.2
40°-50°	1192.8	18.2
50°-60°	1029.2	15.7
60°-70°	740.5	11.3
70°-80°	392.8	6.0
80°-90°	93.7	1.4
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°	1924.5	29.3
0°-40°	3117.1	47.5
0°-60°	5339.0	81.3
0°-90°	6566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6566.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2497	2497	2497	2497	2497	
5°	2488	2486	2484	2493	2497	236
15°	2371	2378	2389	2413	2422	669
25°	2154	2168	2199	2236	2247	991
35°	1851	1873	1911	1944	1955	1158
45°	1497	1517	1553	1579	1586	1155
55°	1119	1130	1155	1174	1172	1002
65°	739	741	750	754	754	731
75°	374	369	372	363	360	398
85°	80	80	77	71	69	96
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2497.2	2497.2	2497.2	2497.2	2497.2
2.5°	2499.4	2495.0	2488.3	2497.2	2501.6
5°	2488.3	2486.1	2483.9	2492.7	2497.2
7.5°	2468.4	2470.6	2468.4	2481.7	2486.1
10°	2444.1	2446.3	2448.5	2464.0	2468.4
12.5°	2413.1	2415.3	2422.0	2441.9	2448.5
15°	2371.1	2377.7	2388.8	2413.1	2422.0
17.5°	2326.9	2335.7	2351.2	2379.9	2388.8
20°	2273.8	2284.8	2307.0	2337.9	2349.0
22.5°	2214.1	2225.1	2256.1	2289.3	2300.3
25°	2154.3	2167.6	2198.6	2236.2	2247.2
27.5°	2083.6	2101.3	2134.4	2172.0	2180.9
30°	2010.6	2026.0	2065.9	2101.3	2116.7
32.5°	1937.6	1953.1	1990.7	2026.0	2037.1
35°	1851.3	1873.4	1911.0	1944.2	1955.3
37.5°	1767.3	1787.2	1827.0	1860.2	1871.2
40°	1678.8	1696.5	1738.5	1769.5	1778.3
42.5°	1590.3	1608.0	1650.0	1674.4	1683.2
45°	1497.4	1517.3	1552.7	1579.3	1585.9
47.5°	1404.5	1420.0	1453.2	1477.5	1486.4
50°	1309.4	1324.9	1358.1	1378.0	1382.4
52.5°	1214.3	1225.4	1256.3	1274.0	1280.7
55°	1119.2	1130.3	1154.6	1174.5	1172.3
57.5°	1028.5	1032.9	1057.3	1070.5	1070.5
60°	926.8	931.2	951.1	959.9	962.2
62.5°	831.7	838.3	853.8	856.0	856.0
65°	738.8	741.0	749.8	754.2	754.2
67.5°	645.9	643.6	652.5	652.5	650.3
70°	548.5	553.0	555.2	550.7	548.5
72.5°	460.1	457.9	457.9	455.6	455.6
75°	373.8	369.4	371.6	362.7	360.5
77.5°	294.2	287.5	285.3	280.9	276.5
80°	212.3	212.3	210.1	205.7	203.5
82.5°	141.6	141.6	139.3	134.9	130.5
85°	79.6	79.6	77.4	70.8	68.6
87.5°	26.5	26.5	26.5	26.5	26.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)