

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: P297540

Luminaire Tested: **D3X-WO-80L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297540  
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-80L92765-LD5-UNV-24-T1-W2A-2700K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6318.0 lumens  
Efficiency: N/A  
Efficacy: 104.4 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

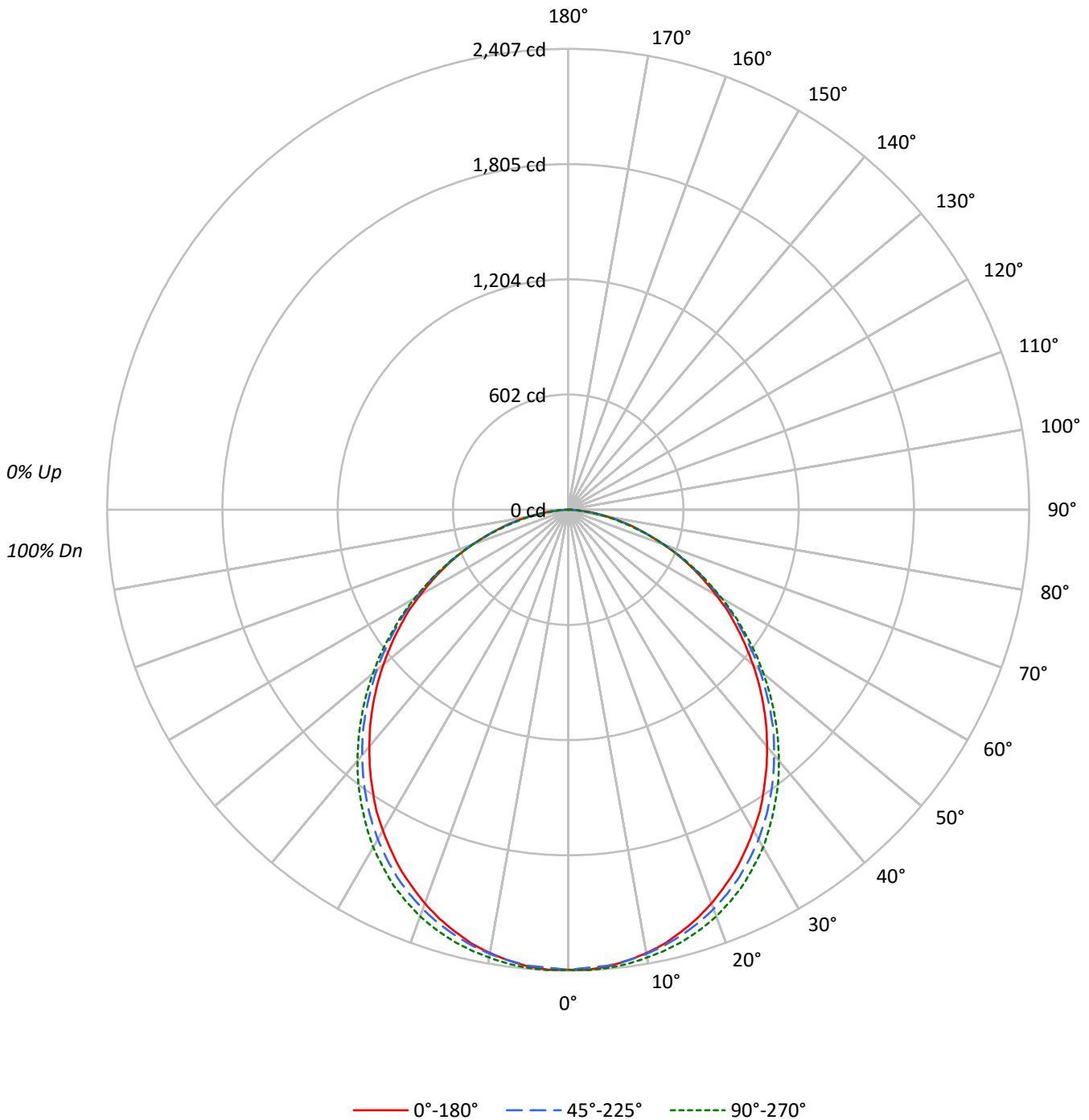
Input Watts (W): 60.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	3233	3233	3233
5°	3234	3228	3245
10°	3213	3219	3245
15°	3178	3202	3246
20°	3133	3178	3236
25°	3078	3141	3210
30°	3006	3088	3164
35°	2926	3020	3090
40°	2837	2938	3006
45°	2742	2843	2904
50°	2637	2735	2784
55°	2526	2606	2646
60°	2400	2463	2491
65°	2263	2297	2311
70°	2076	2102	2076
75°	1870	1859	1803
80°	1583	1567	1517
85°	1183	1150	1019



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.5	3.6
10°-20°	649.9	10.3
20°-30°	974.4	15.4
30°-40°	1147.5	18.2
40°-50°	1147.7	18.2
50°-60°	990.3	15.7
60°-70°	712.6	11.3
70°-80°	378.0	6.0
80°-90°	90.1	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°	1851.8	29.3
0°-40°	2999.3	47.5
0°-60°	5137.3	81.3
0°-90°	6318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2403	2403	2403	2403	2403	
5°	2394	2392	2390	2399	2403	227
15°	2282	2288	2299	2322	2330	643
25°	2073	2086	2116	2152	2162	954
35°	1781	1803	1839	1871	1881	1114
45°	1441	1460	1494	1520	1526	1111
55°	1077	1088	1111	1130	1128	964
65°	711	713	722	726	726	703
75°	360	355	358	349	347	383
85°	77	77	74	68	66	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2402.9	2402.9	2402.9	2402.9	2402.9
2.5°	2405.0	2400.7	2394.3	2402.9	2407.1
5°	2394.3	2392.2	2390.1	2398.6	2402.9
7.5°	2375.2	2377.3	2375.2	2388.0	2392.2
10°	2351.8	2353.9	2356.0	2370.9	2375.2
12.5°	2322.0	2324.1	2330.5	2349.6	2356.0
15°	2281.5	2287.9	2298.6	2322.0	2330.5
17.5°	2239.0	2247.5	2262.4	2290.1	2298.6
20°	2187.9	2198.5	2219.8	2249.6	2260.3
22.5°	2130.4	2141.1	2170.9	2202.8	2213.4
25°	2073.0	2085.7	2115.5	2151.7	2162.4
27.5°	2004.9	2021.9	2053.8	2090.0	2098.5
30°	1934.6	1949.5	1987.8	2021.9	2036.8
32.5°	1864.4	1879.3	1915.5	1949.5	1960.2
35°	1781.4	1802.7	1838.9	1870.8	1881.4
37.5°	1700.5	1719.7	1758.0	1789.9	1800.5
40°	1615.4	1632.4	1672.8	1702.6	1711.2
42.5°	1530.2	1547.3	1587.7	1611.1	1619.6
45°	1440.9	1460.0	1494.1	1519.6	1526.0
47.5°	1351.5	1366.4	1398.3	1421.7	1430.2
50°	1260.0	1274.9	1306.8	1325.9	1330.2
52.5°	1168.4	1179.1	1208.9	1225.9	1232.3
55°	1076.9	1087.6	1111.0	1130.1	1128.0
57.5°	989.7	993.9	1017.3	1030.1	1030.1
60°	891.8	896.0	915.2	923.7	925.8
62.5°	800.2	806.6	821.5	823.7	823.7
65°	710.9	713.0	721.5	725.8	725.8
67.5°	621.5	619.3	627.8	627.8	625.7
70°	527.8	532.1	534.2	529.9	527.8
72.5°	442.7	440.6	440.6	438.4	438.4
75°	359.7	355.4	357.6	349.0	346.9
77.5°	283.1	276.7	274.6	270.3	266.0
80°	204.3	204.3	202.2	197.9	195.8
82.5°	136.2	136.2	134.1	129.8	125.6
85°	76.6	76.6	74.5	68.1	66.0
87.5°	25.5	25.5	25.5	25.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)