

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: P297266

Luminaire Tested: **D3X-WG-80L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297266  
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-80L92765-LD5-UNV-24-T1-W2A-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7117.0 lumens  
Efficiency: N/A  
Efficacy: 114.1 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

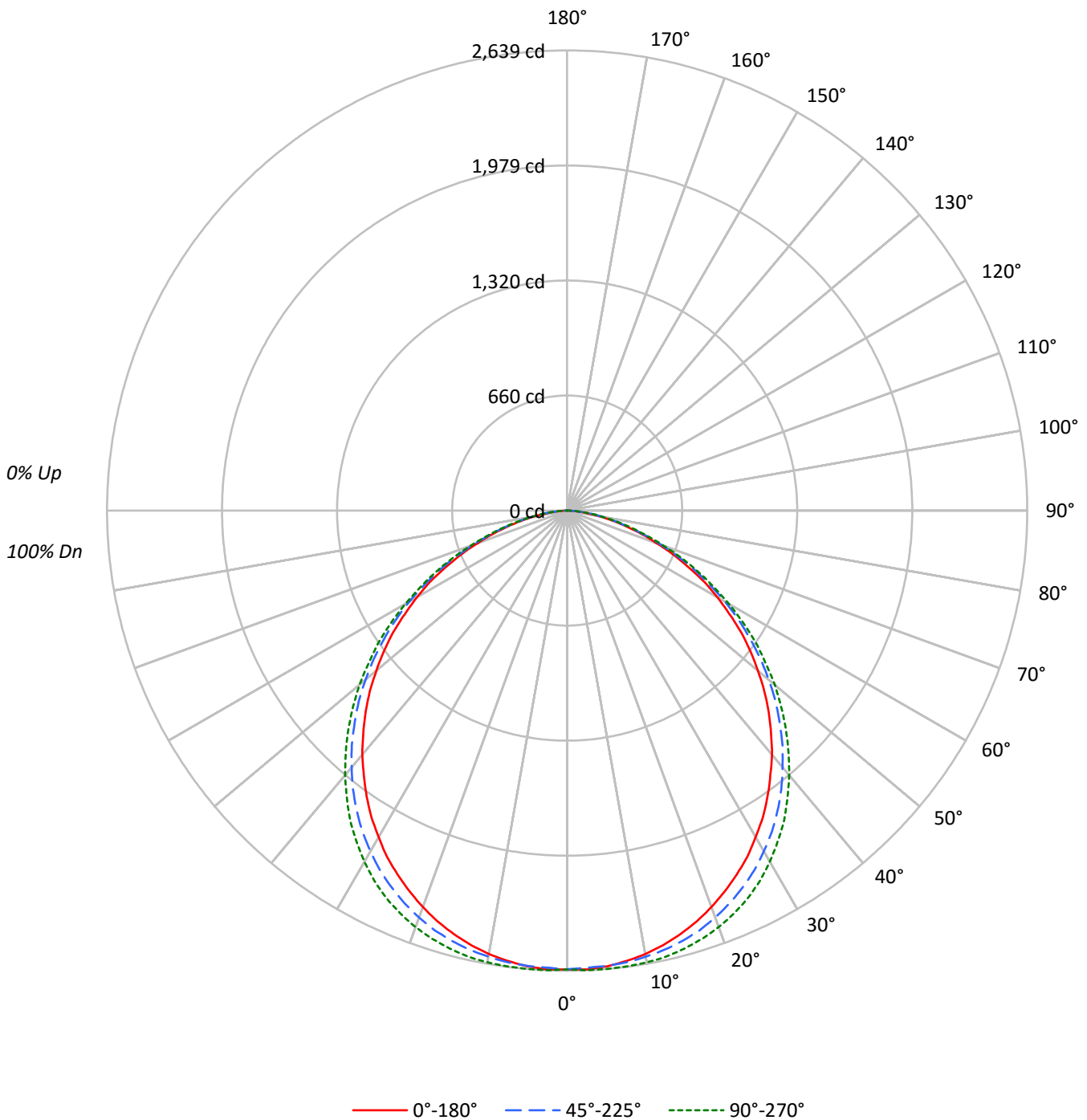
Input Watts (W): 62.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297266

CATALOG NUMBER: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-5500K

### Luminous Intensity Polar Plot





TEST NUMBER: P297266

CATALOG NUMBER: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-5500K

**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°	3540	3540	3540
5°	3543	3540	3564
10°	3528	3549	3595
15°	3501	3558	3622
20°	3464	3555	3639
25°	3418	3539	3641
30°	3359	3505	3612
35°	3291	3455	3564
40°	3211	3376	3479
45°	3110	3279	3376
50°	2988	3159	3255
55°	2859	3002	3098
60°	2676	2813	2882
65°	2443	2573	2638
70°	2146	2257	2317
75°	1816	1908	1975
80°	1442	1581	1620
85°	983	1181	1141



TEST NUMBER: P297266

CATALOG NUMBER: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-5500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.0	3.5
10°-20°	721.7	10.1
20°-30°	1096.8	15.4
30°-40°	1308.8	18.4
40°-50°	1321.8	18.6
50°-60°	1138.8	16.0
60°-70°	793.9	11.2
70°-80°	393.4	5.5
80°-90°	91.7	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°	2068.5	29.1
0°-40°	3377.3	47.5
0°-60°	5837.9	82.0
0°-90°	7117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7117.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2631	2631	2631	2631	2631	
5°	2623	2621	2621	2634	2639	249
15°	2514	2526	2554	2588	2600	709
25°	2302	2333	2384	2432	2452	1061
35°	2004	2037	2103	2152	2170	1252
45°	1634	1670	1723	1764	1774	1260
55°	1219	1244	1280	1310	1321	1086
65°	767	783	808	816	829	762
75°	349	354	367	375	380	377
85°	64	76	76	71	74	81
90°	0	0	0	0	0	



TEST NUMBER: P297266

CATALOG NUMBER: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-5500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2631.0	2631.0	2631.0	2631.0	2631.0
2.5°	2633.6	2628.5	2623.4	2633.6	2638.7
5°	2623.4	2620.8	2620.8	2633.6	2638.7
7.5°	2605.5	2605.5	2613.2	2631.0	2636.1
10°	2582.6	2587.7	2597.9	2623.4	2631.0
12.5°	2552.0	2562.2	2580.0	2610.6	2620.8
15°	2513.7	2526.5	2554.5	2587.7	2600.4
17.5°	2470.4	2488.2	2523.9	2562.2	2574.9
20°	2419.4	2442.3	2483.1	2526.5	2541.8
22.5°	2363.3	2391.4	2437.2	2483.1	2501.0
25°	2302.1	2332.7	2383.7	2432.1	2452.5
27.5°	2238.4	2269.0	2325.1	2373.5	2393.9
30°	2161.9	2197.6	2256.2	2307.2	2325.1
32.5°	2088.0	2123.7	2184.9	2230.7	2248.6
35°	2003.8	2037.0	2103.3	2151.7	2169.6
37.5°	1914.6	1952.9	2016.6	2059.9	2075.2
40°	1827.9	1861.1	1922.3	1965.6	1980.9
42.5°	1731.1	1766.7	1827.9	1866.2	1878.9
45°	1634.2	1669.9	1723.4	1764.2	1774.4
47.5°	1534.8	1567.9	1621.4	1654.6	1664.8
50°	1427.7	1458.3	1509.3	1542.4	1555.1
52.5°	1325.7	1353.7	1397.1	1425.1	1432.8
55°	1218.6	1244.1	1279.8	1310.4	1320.6
57.5°	1103.9	1131.9	1165.1	1190.6	1198.2
60°	994.3	1017.2	1045.3	1068.2	1070.8
62.5°	887.2	897.4	922.9	943.3	945.8
65°	767.4	782.7	808.2	815.8	828.6
67.5°	657.8	667.9	688.3	698.5	708.7
70°	545.6	553.2	573.6	586.4	588.9
72.5°	448.7	451.2	466.5	476.7	479.3
75°	349.3	354.4	367.1	374.8	379.9
77.5°	265.1	270.2	280.4	285.5	285.5
80°	186.1	193.8	204.0	206.5	209.1
82.5°	119.8	130.0	137.7	140.2	135.1
85°	63.7	76.5	76.5	71.4	73.9
87.5°	22.9	28.0	30.6	33.1	33.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)