

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: P297804

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2530.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

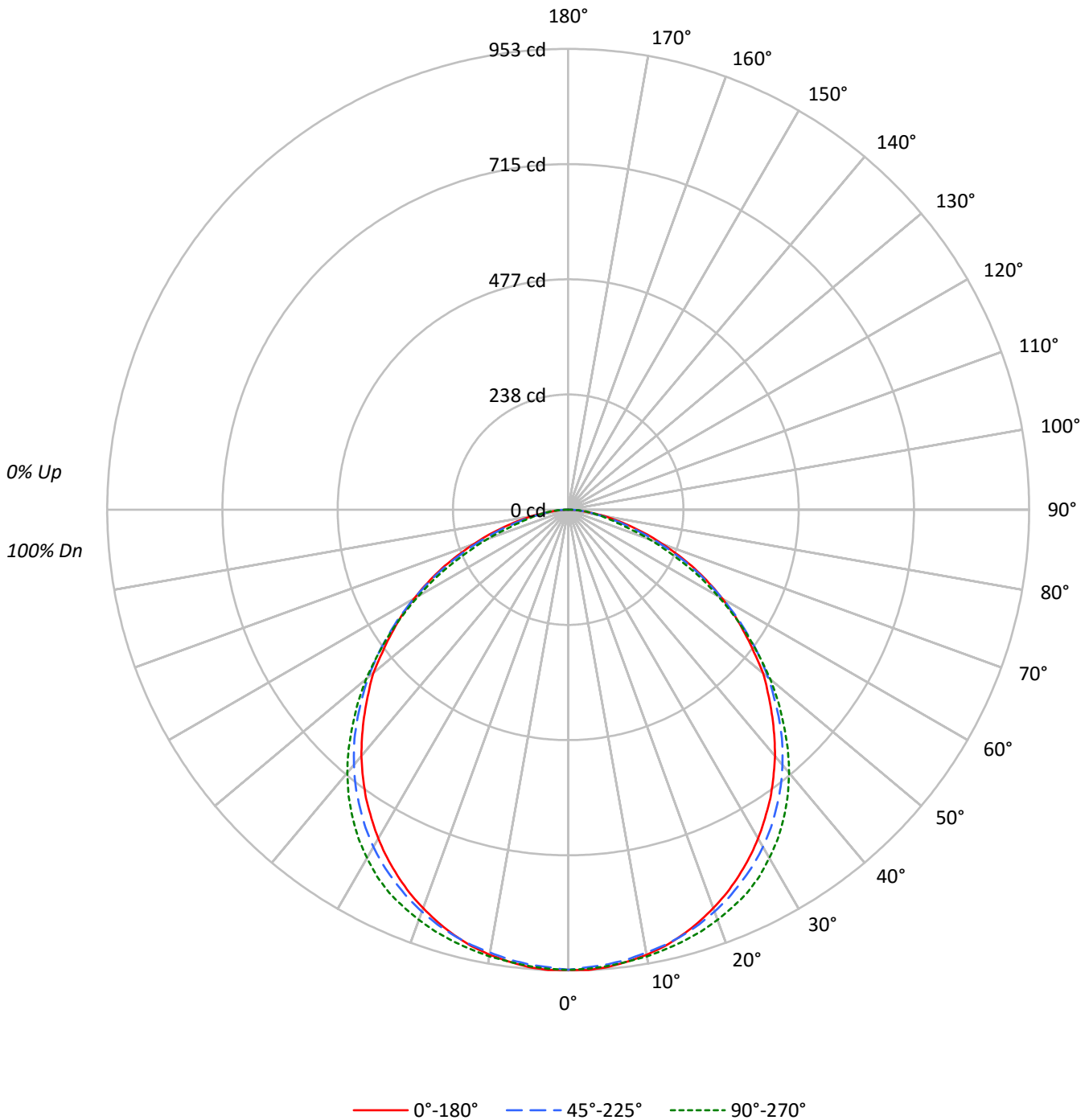
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297804

CATALOG NUMBER: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P297804

CATALOG NUMBER: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-3500K

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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2560	2560	2560
5°	2564	2549	2558
10°	2554	2541	2563
15°	2537	2540	2572
20°	2511	2533	2585
25°	2479	2519	2597
30°	2440	2503	2584
35°	2394	2468	2553
40°	2337	2420	2496
45°	2265	2351	2398
50°	2202	2259	2283
55°	2092	2134	2123
60°	1979	1979	1924
65°	1837	1794	1693
70°	1629	1558	1407
75°	1412	1282	1082
80°	1158	1000	982
85°	769	908	979



TEST NUMBER: P297804

CATALOG NUMBER: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.6
10°-20°	258.2	10.2
20°-30°	392.5	15.5
30°-40°	469.9	18.6
40°-50°	474.0	18.7
50°-60°	403.7	16.0
60°-70°	276.1	10.9
70°-80°	132.2	5.2
80°-90°	33.5	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°	740.7	29.3
0°-40°	1210.6	47.8
0°-60°	2088.3	82.5
0°-90°	2530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	949	948	944	948	947	90
15°	911	908	912	922	923	257
25°	835	836	848	868	875	385
35°	729	731	751	773	777	455
45°	595	600	618	630	630	460
55°	446	448	455	456	452	399
65°	288	283	282	272	266	284
75°	136	134	123	108	104	145
85°	25	27	29	30	32	32
90°	0	0	0	0	0	



TEST NUMBER: P297804

CATALOG NUMBER: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.5	951.5	951.5	951.5	951.5
2.5°	952.6	951.5	947.0	951.5	950.4
5°	949.2	948.1	943.6	948.1	947.0
7.5°	942.4	941.3	937.9	942.4	942.4
10°	934.5	932.3	930.0	936.8	937.9
12.5°	924.3	922.1	922.1	930.0	931.1
15°	910.8	908.5	911.9	922.1	923.2
17.5°	894.9	893.8	899.4	911.9	914.2
20°	876.8	875.7	884.7	899.4	902.8
22.5°	857.6	857.6	867.8	884.7	889.3
25°	835.0	836.1	848.5	867.8	874.6
27.5°	811.2	813.5	828.2	849.7	855.3
30°	785.2	788.6	805.5	825.9	831.6
32.5°	756.9	760.3	779.5	801.0	806.7
35°	728.6	730.9	751.2	772.7	777.3
37.5°	696.9	700.3	721.8	741.1	745.6
40°	665.2	668.6	689.0	707.1	710.5
42.5°	630.2	634.7	655.1	669.8	672.0
45°	595.1	599.6	617.7	630.2	630.2
47.5°	560.0	562.3	578.1	590.6	589.4
50°	526.1	525.0	539.7	545.3	545.3
52.5°	484.2	487.6	497.8	501.2	497.8
55°	445.8	448.0	454.8	455.9	452.5
57.5°	408.4	407.3	413.0	409.6	405.0
60°	367.7	367.7	367.7	364.3	357.5
62.5°	328.1	325.8	324.7	316.8	313.4
65°	288.5	282.8	281.7	271.5	265.9
67.5°	246.6	244.4	238.7	228.5	218.4
70°	207.0	204.8	198.0	185.5	178.8
72.5°	170.8	168.6	159.5	144.8	135.8
75°	135.8	133.5	123.3	107.5	104.1
77.5°	103.0	101.8	91.6	83.7	82.6
80°	74.7	73.5	64.5	64.5	63.4
82.5°	47.5	47.5	45.3	46.4	47.5
85°	24.9	27.2	29.4	30.5	31.7
87.5°	7.9	12.4	14.7	15.8	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)