

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: P297726

Luminaire Tested: **D3X-WG-26L82765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297726
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-26L82765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2528.0 lumens
Efficiency: N/A
Efficacy: 104.9 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

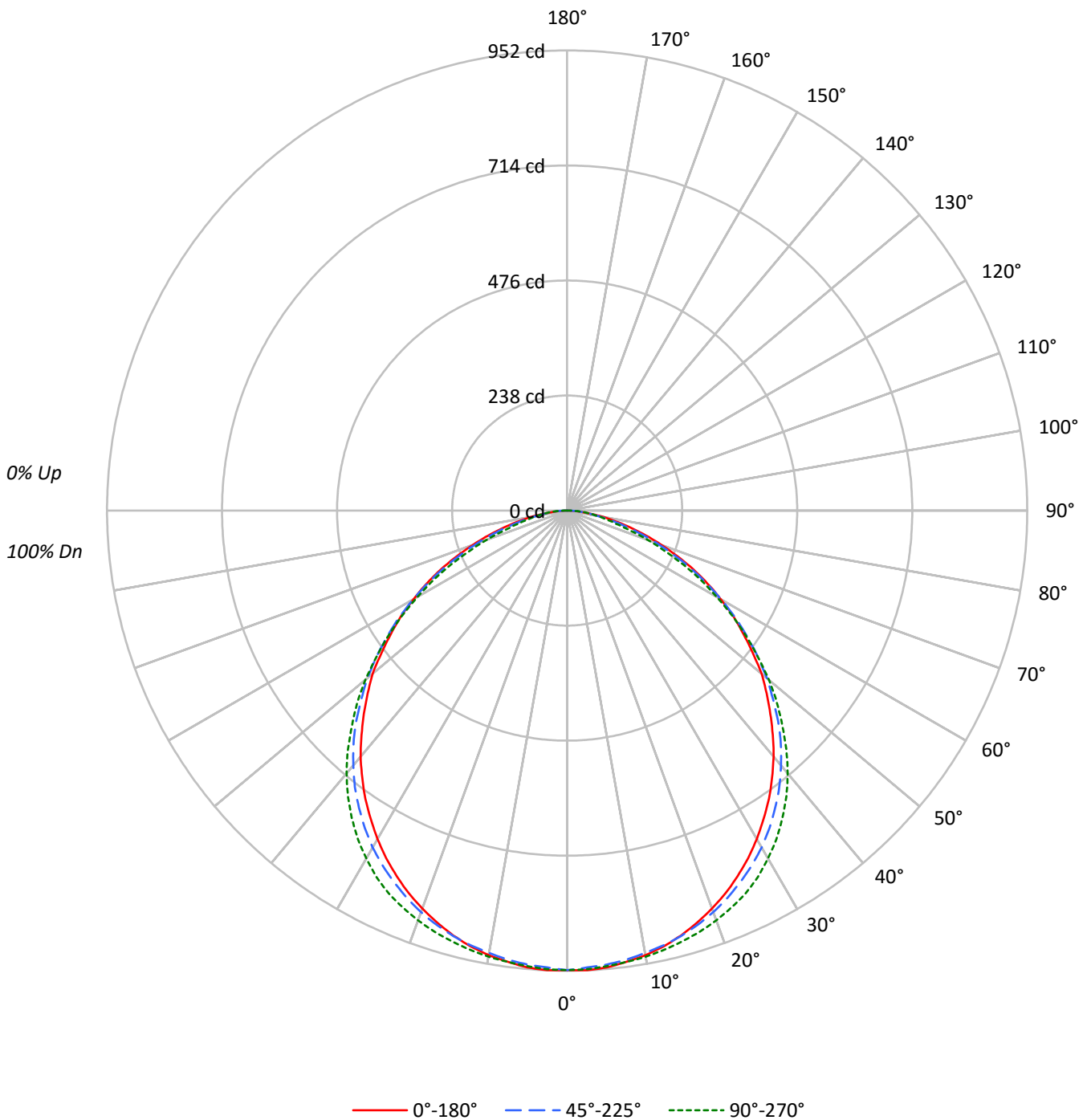
Input Watts (W): 24.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297726

CATALOG NUMBER: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297726

CATALOG NUMBER: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-4000K

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°	2558	2558	2558
5°	2562	2547	2556
10°	2552	2539	2561
15°	2535	2539	2570
20°	2509	2531	2583
25°	2477	2518	2595
30°	2438	2501	2582
35°	2392	2466	2551
40°	2335	2419	2494
45°	2263	2349	2396
50°	2201	2257	2281
55°	2090	2132	2122
60°	1977	1977	1922
65°	1836	1792	1692
70°	1628	1556	1405
75°	1411	1281	1081
80°	1156	998	981
85°	769	908	979



TEST NUMBER: P297726

CATALOG NUMBER: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	3.6
10°-20°	258.0	10.2
20°-30°	392.2	15.5
30°-40°	469.5	18.6
40°-50°	473.6	18.7
50°-60°	403.4	16.0
60°-70°	275.8	10.9
70°-80°	132.1	5.2
80°-90°	33.4	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°	740.1	29.3
0°-40°	1209.6	47.8
0°-60°	2086.6	82.5
0°-90°	2528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2528.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	948	947	943	947	946	90
15°	910	908	911	921	922	257
25°	834	835	848	867	874	384
35°	728	730	751	772	777	455
45°	595	599	617	630	630	459
55°	445	448	454	456	452	399
65°	288	283	282	271	266	284
75°	136	133	123	107	104	145
85°	25	27	29	30	32	32
90°	0	0	0	0	0	



TEST NUMBER: P297726

CATALOG NUMBER: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	950.7	950.7	950.7	950.7	950.7
2.5°	951.9	950.7	946.2	950.7	949.6
5°	948.5	947.3	942.8	947.3	946.2
7.5°	941.7	940.6	937.2	941.7	941.7
10°	933.8	931.5	929.3	936.0	937.2
12.5°	923.6	921.3	921.3	929.3	930.4
15°	910.0	907.8	911.2	921.3	922.5
17.5°	894.2	893.1	898.7	911.2	913.4
20°	876.1	875.0	884.0	898.7	902.1
22.5°	856.9	856.9	867.1	884.0	888.6
25°	834.3	835.4	847.9	867.1	873.9
27.5°	810.6	812.8	827.5	849.0	854.6
30°	784.6	787.9	804.9	825.3	830.9
32.5°	756.3	759.7	778.9	800.4	806.0
35°	728.0	730.3	750.6	772.1	776.6
37.5°	696.4	699.8	721.2	740.5	745.0
40°	664.7	668.1	688.5	706.6	709.9
42.5°	629.7	634.2	654.5	669.2	671.5
45°	594.6	599.2	617.2	629.7	629.7
47.5°	559.6	561.8	577.7	590.1	589.0
50°	525.7	524.5	539.2	544.9	544.9
52.5°	483.8	487.2	497.4	500.8	497.4
55°	445.4	447.7	454.5	455.6	452.2
57.5°	408.1	407.0	412.6	409.2	404.7
60°	367.4	367.4	367.4	364.0	357.2
62.5°	327.8	325.6	324.4	316.5	313.1
65°	288.3	282.6	281.5	271.3	265.7
67.5°	246.4	244.2	238.5	228.4	218.2
70°	206.9	204.6	197.8	185.4	178.6
72.5°	170.7	168.4	159.4	144.7	135.7
75°	135.7	133.4	123.2	107.4	104.0
77.5°	102.9	101.7	91.6	83.7	82.5
80°	74.6	73.5	64.4	64.4	63.3
82.5°	47.5	47.5	45.2	46.3	47.5
85°	24.9	27.1	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)