

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: P297936

Luminaire Tested: **D3X-WO-26L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2360.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

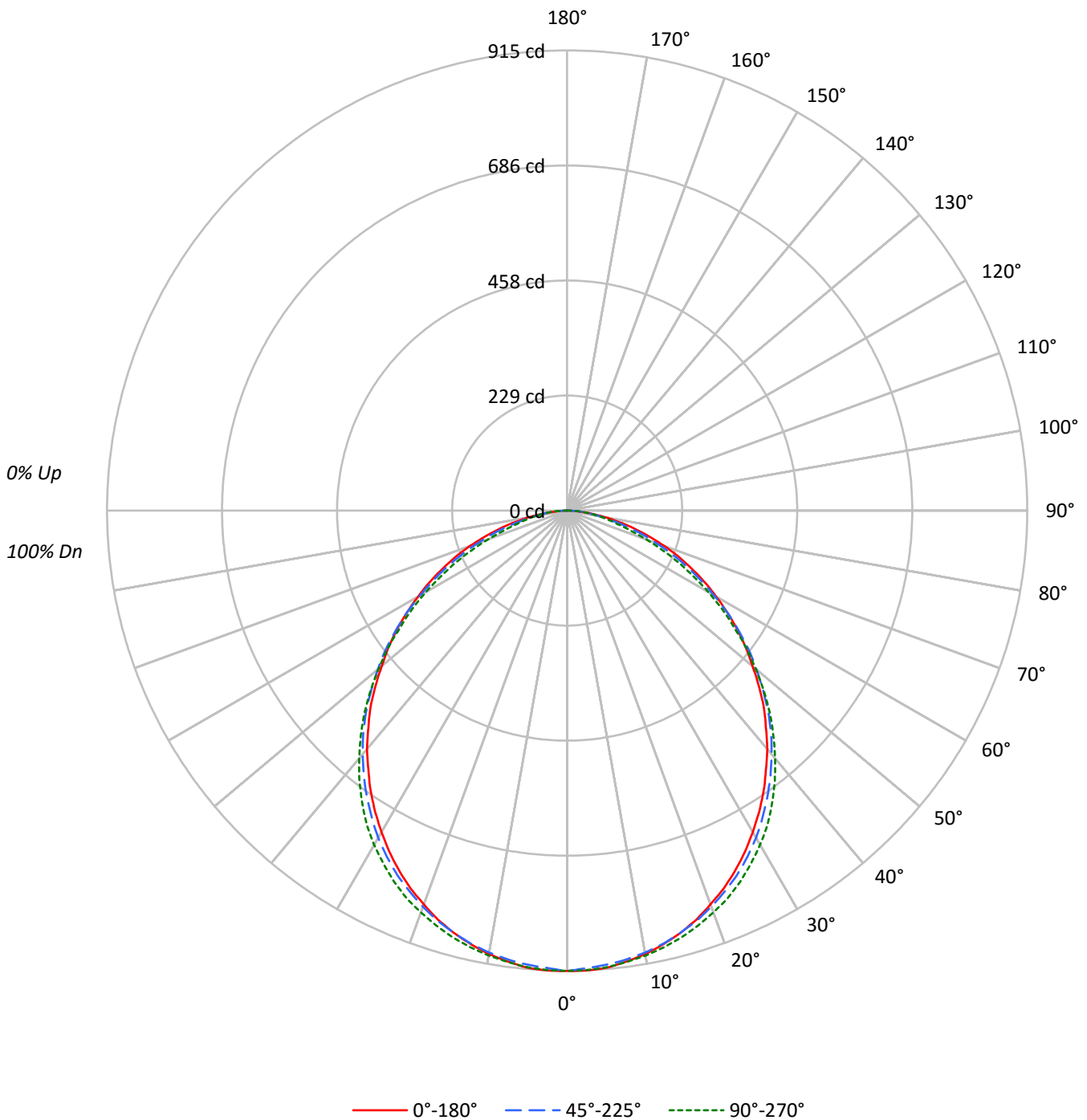
Input Watts (W): 24.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297936

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297936

CATALOG NUMBER: D3X-WO-26L92765-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	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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2463	2463	2463
5°	2465	2448	2462
10°	2447	2438	2455
15°	2422	2422	2447
20°	2386	2401	2435
25°	2347	2373	2418
30°	2294	2334	2384
35°	2238	2281	2333
40°	2175	2221	2260
45°	2105	2151	2170
50°	2015	2056	2048
55°	1939	1953	1901
60°	1841	1814	1744
65°	1739	1669	1554
70°	1614	1480	1315
75°	1436	1268	1081
80°	1193	1038	1007
85°	865	926	926



TEST NUMBER: P297936

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	3.7
10°-20°	246.1	10.4
20°-30°	368.8	15.6
30°-40°	434.5	18.4
40°-50°	433.4	18.4
50°-60°	368.6	15.6
60°-70°	257.3	10.9
70°-80°	130.8	5.5
80°-90°	34.1	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°	701.3	29.7
0°-40°	1135.8	48.1
0°-60°	1937.8	82.1
0°-90°	2360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	912	910	906	911	911	86
15°	869	869	869	877	878	245
25°	790	791	799	811	814	364
35°	681	682	694	708	710	426
45°	553	555	565	569	570	426
55°	413	413	416	410	405	369
65°	273	269	262	248	244	271
75°	138	133	122	107	104	147
85°	28	29	30	30	30	35
90°	0	0	0	0	0	



TEST NUMBER: P297936

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	915.4	915.4	915.4	915.4	915.4
2.5°	915.4	914.4	910.4	914.4	914.4
5°	912.4	910.4	906.4	911.4	911.4
7.5°	904.4	903.4	900.4	905.4	905.4
10°	895.4	894.4	892.4	898.4	898.4
12.5°	883.3	883.3	882.3	888.4	889.4
15°	869.3	869.3	869.3	877.3	878.3
17.5°	853.3	852.3	855.3	864.3	865.3
20°	833.3	834.3	838.3	848.3	850.3
22.5°	813.3	814.3	819.3	831.3	834.3
25°	790.3	791.3	799.3	811.3	814.3
27.5°	765.3	767.3	776.3	789.3	791.3
30°	738.3	740.3	751.3	764.3	767.3
32.5°	710.3	713.3	723.3	737.3	741.3
35°	681.3	682.3	694.3	708.3	710.3
37.5°	649.3	652.3	664.3	676.3	678.3
40°	619.2	621.2	632.3	642.3	643.3
42.5°	585.2	588.2	600.2	607.2	607.2
45°	553.2	555.2	565.2	569.2	570.2
47.5°	517.2	519.2	528.2	530.2	530.2
50°	481.2	486.2	491.2	491.2	489.2
52.5°	448.2	449.2	455.2	451.2	449.2
55°	413.2	413.2	416.2	410.2	405.2
57.5°	378.1	378.1	378.1	370.1	366.1
60°	342.1	341.1	337.1	327.1	324.1
62.5°	308.1	305.1	299.1	289.1	283.1
65°	273.1	269.1	262.1	248.1	244.1
67.5°	240.1	233.1	225.1	212.1	205.1
70°	205.1	199.1	188.1	173.1	167.1
72.5°	171.1	165.1	156.1	141.1	132.1
75°	138.1	133.1	122.0	107.0	104.0
77.5°	106.0	103.0	92.0	85.0	84.0
80°	77.0	76.0	67.0	65.0	65.0
82.5°	51.0	50.0	47.0	47.0	46.0
85°	28.0	29.0	30.0	30.0	30.0
87.5°	10.0	12.0	14.0	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)