

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: P298347

Luminaire Tested: **D3X-WO-25L82765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2461.0 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

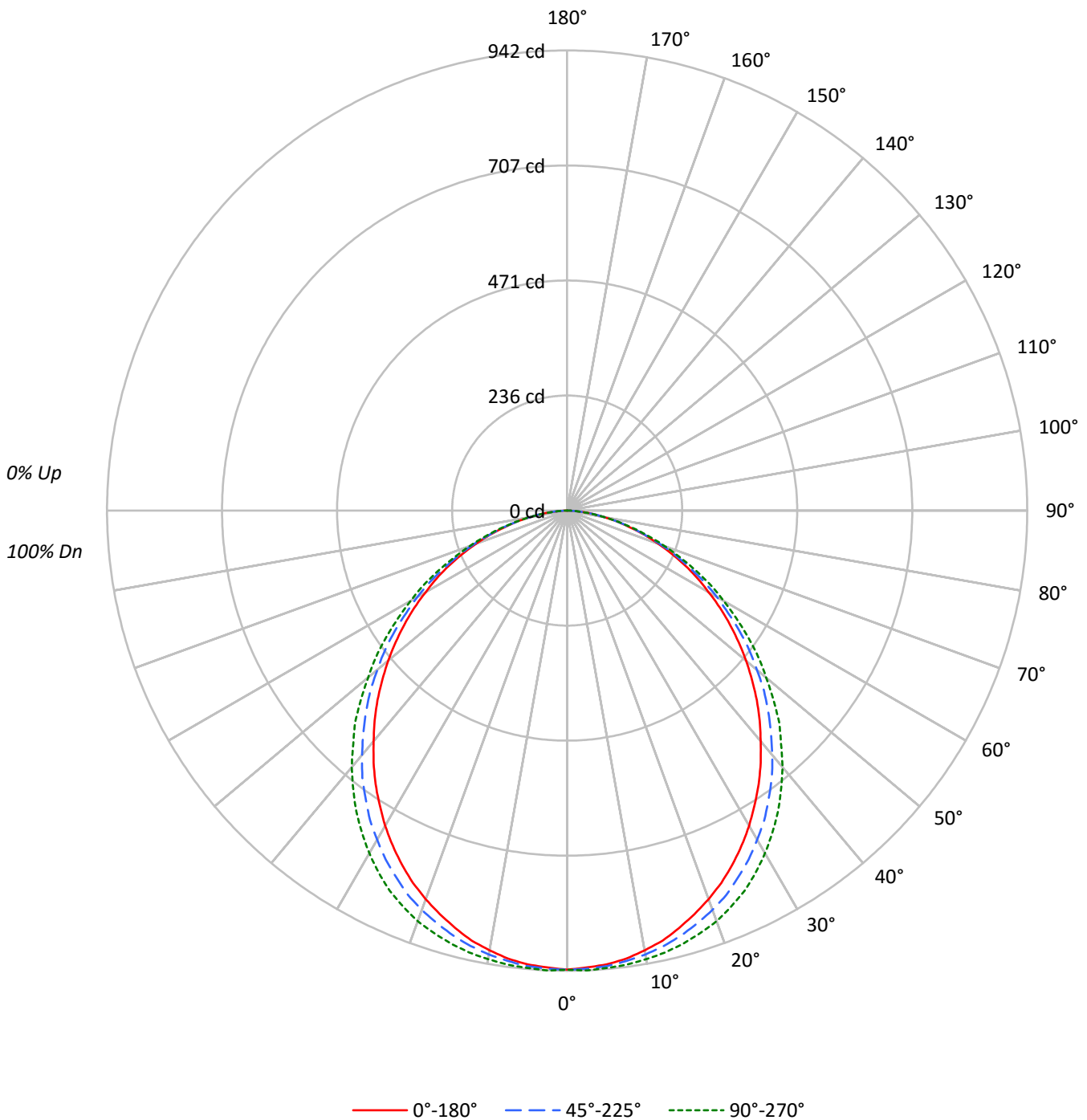
Input Watts (W): 19.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298347

CATALOG NUMBER: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P298347

CATALOG NUMBER: D3X-WO-25L82765-LD5-UNV-22-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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	48	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	31	43	35	30	41	35	30	40	34	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°	2529	2529	2529
5°	2519	2529	2539
10°	2498	2521	2548
15°	2465	2509	2557
20°	2425	2491	2562
25°	2376	2459	2551
30°	2315	2418	2517
35°	2246	2363	2472
40°	2165	2294	2410
45°	2089	2215	2336
50°	2001	2124	2226
55°	1909	2023	2121
60°	1800	1906	1992
65°	1701	1763	1849
70°	1562	1610	1668
75°	1389	1426	1465
80°	1196	1178	1178
85°	908	834	756



TEST NUMBER: P298347

CATALOG NUMBER: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	3.6
10°-20°	254.1	10.3
20°-30°	381.5	15.5
30°-40°	449.0	18.2
40°-50°	447.9	18.2
50°-60°	384.3	15.6
60°-70°	275.3	11.2
70°-80°	145.8	5.9
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°	724.6	29.4
0°-40°	1173.6	47.7
0°-60°	2005.9	81.5
0°-90°	2461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	932	932	936	939	940	88
15°	885	888	901	913	918	249
25°	800	808	828	849	859	368
35°	684	692	719	744	752	427
45°	549	558	582	603	614	423
55°	407	413	431	446	452	364
65°	267	268	277	288	290	264
75°	134	134	137	140	141	143
85°	29	28	27	24	24	35
90°	0	0	0	0	0	



TEST NUMBER: P298347

CATALOG NUMBER: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	939.8	939.8	939.8	939.8	939.8
2.5°	936.2	936.2	938.6	941.1	942.3
5°	932.5	932.5	936.2	938.6	939.8
7.5°	925.1	925.1	930.0	934.9	937.4
10°	914.1	916.6	922.7	930.0	932.5
12.5°	901.8	904.3	912.9	922.7	926.4
15°	884.7	888.4	900.6	912.9	917.8
17.5°	866.3	871.2	885.9	900.6	906.7
20°	846.7	851.6	870.0	887.1	894.5
22.5°	824.7	830.8	851.6	870.0	877.3
25°	800.1	807.5	828.3	849.2	859.0
27.5°	773.2	781.8	805.0	827.1	835.7
30°	745.0	754.8	778.1	801.4	809.9
32.5°	714.4	722.9	751.1	773.2	781.8
35°	683.7	692.3	719.3	743.8	752.4
37.5°	650.7	661.7	688.6	710.7	719.3
40°	616.3	627.4	653.1	678.8	686.2
42.5°	583.3	593.1	617.6	640.9	648.2
45°	549.0	557.5	582.0	602.9	613.9
47.5°	513.4	522.0	546.5	566.1	572.2
50°	477.9	486.5	507.3	524.4	531.8
52.5°	442.3	450.9	470.5	486.5	493.8
55°	406.8	412.9	431.3	446.0	452.1
57.5°	371.3	376.2	390.9	406.8	410.5
60°	334.5	340.6	354.1	365.2	370.1
62.5°	301.4	303.9	316.1	325.9	332.1
65°	267.1	268.3	276.9	288.0	290.4
67.5°	231.6	232.8	241.4	247.5	250.0
70°	198.5	198.5	204.6	209.5	212.0
72.5°	166.6	165.4	169.1	174.0	176.4
75°	133.6	133.6	137.2	139.7	140.9
77.5°	105.4	102.9	105.4	107.8	107.8
80°	77.2	76.0	76.0	77.2	76.0
82.5°	52.7	51.5	52.7	50.2	49.0
85°	29.4	28.2	27.0	24.5	24.5
87.5°	9.8	8.6	8.6	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)