

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: P298349

Luminaire Tested: **D3X-WO-25L82765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298349
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-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2538.0 lumens
Efficiency: N/A
Efficacy: 131.5 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

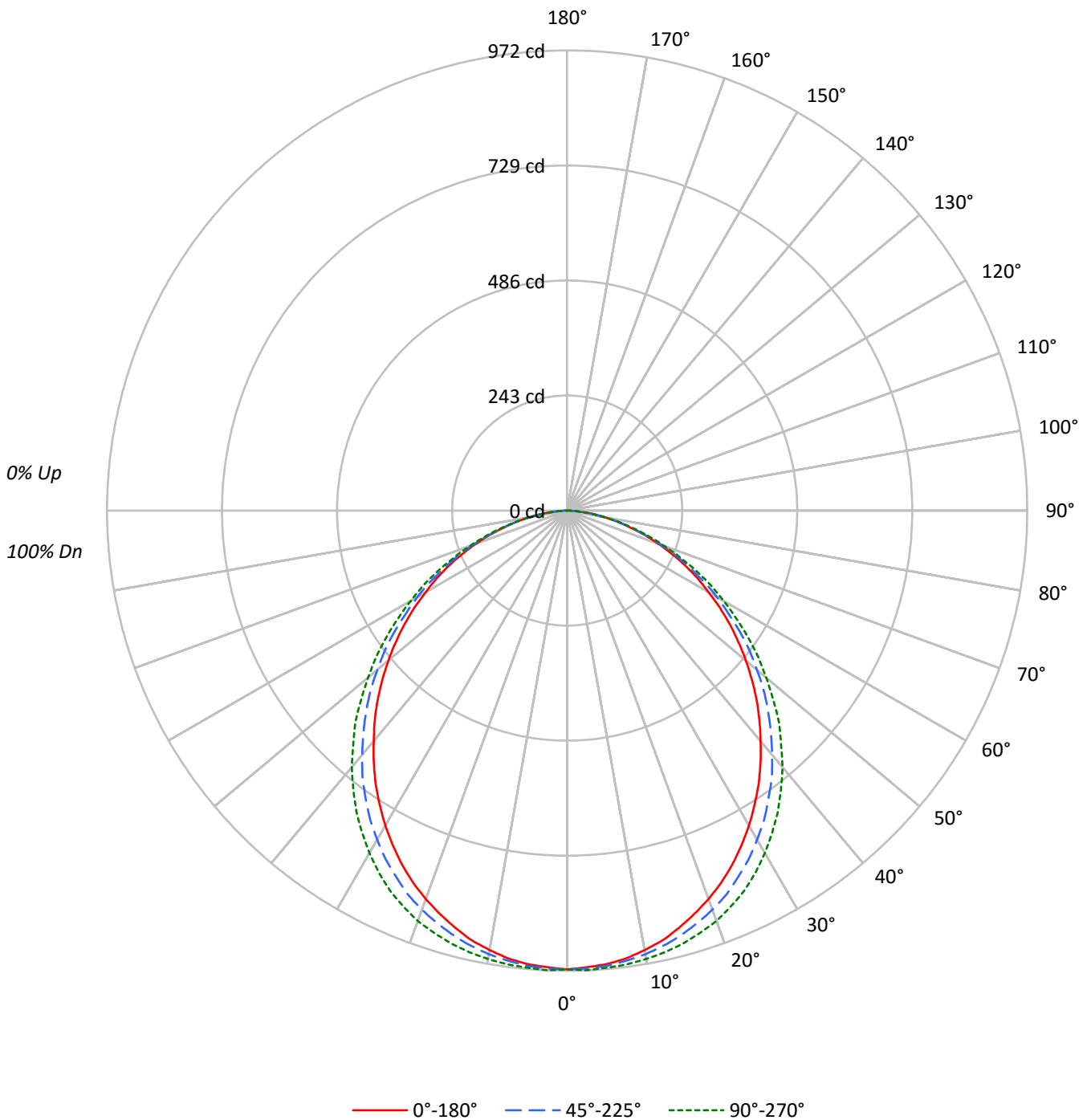
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298349

CATALOG NUMBER: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P298349

CATALOG NUMBER: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-5000K

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°	2608	2608	2608
5°	2598	2608	2618
10°	2576	2600	2628
15°	2542	2588	2637
20°	2501	2569	2642
25°	2450	2536	2630
30°	2387	2493	2596
35°	2316	2437	2549
40°	2233	2366	2486
45°	2154	2284	2409
50°	2063	2190	2296
55°	1968	2087	2188
60°	1857	1965	2054
65°	1754	1819	1907
70°	1611	1660	1720
75°	1432	1471	1511
80°	1234	1213	1213
85°	936	858	781



TEST NUMBER: P298349

CATALOG NUMBER: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	3.6
10°-20°	262.1	10.3
20°-30°	393.5	15.5
30°-40°	463.1	18.2
40°-50°	461.9	18.2
50°-60°	396.4	15.6
60°-70°	283.9	11.2
70°-80°	150.3	5.9
80°-90°	35.1	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°	747.2	29.4
0°-40°	1210.3	47.7
0°-60°	2068.6	81.5
0°-90°	2538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2538.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	969	969	969	969	969	
5°	962	962	965	968	969	91
15°	912	916	929	941	946	257
25°	825	833	854	876	886	380
35°	705	714	742	767	776	440
45°	566	575	600	622	633	436
55°	420	426	445	460	466	375
65°	276	277	286	297	300	272
75°	138	138	142	144	145	148
85°	30	29	28	25	25	37
90°	0	0	0	0	0	



TEST NUMBER: P298349

CATALOG NUMBER: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	969.2	969.2	969.2	969.2	969.2
2.5°	965.4	965.4	968.0	970.5	971.8
5°	961.7	961.7	965.4	968.0	969.2
7.5°	954.1	954.1	959.1	964.2	966.7
10°	942.7	945.2	951.5	959.1	961.7
12.5°	930.1	932.6	941.4	951.5	955.3
15°	912.4	916.2	928.8	941.4	946.5
17.5°	893.4	898.5	913.6	928.8	935.1
20°	873.2	878.3	897.2	914.9	922.5
22.5°	850.5	856.8	878.3	897.2	904.8
25°	825.2	832.8	854.2	875.7	885.8
27.5°	797.4	806.2	830.2	853.0	861.8
30°	768.3	778.4	802.4	826.4	835.3
32.5°	736.7	745.6	774.6	797.4	806.2
35°	705.1	714.0	741.8	767.1	775.9
37.5°	671.0	682.4	710.2	732.9	741.8
40°	635.6	647.0	673.5	700.1	707.7
42.5°	601.5	611.6	636.9	660.9	668.5
45°	566.1	575.0	600.2	621.7	633.1
47.5°	529.5	538.3	563.6	583.8	590.1
50°	492.8	501.7	523.2	540.9	548.4
52.5°	456.2	465.0	485.3	501.7	509.3
55°	419.5	425.9	444.8	460.0	466.3
57.5°	382.9	387.9	403.1	419.5	423.3
60°	345.0	351.3	365.2	376.6	381.6
62.5°	310.9	313.4	326.0	336.1	342.5
65°	275.5	276.7	285.6	297.0	299.5
67.5°	238.8	240.1	248.9	255.3	257.8
70°	204.7	204.7	211.0	216.1	218.6
72.5°	171.9	170.6	174.4	179.4	182.0
75°	137.7	137.7	141.5	144.1	145.3
77.5°	108.7	106.1	108.7	111.2	111.2
80°	79.6	78.3	78.3	79.6	78.3
82.5°	54.3	53.1	54.3	51.8	50.5
85°	30.3	29.1	27.8	25.3	25.3
87.5°	10.1	8.8	8.8	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)