

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: P298310

Luminaire Tested: **D3X-WO-25L83050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298310  
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-25L83050-LD5-UNV-22-T1-W2A-3000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2329.0 lumens  
Efficiency: N/A  
Efficacy: 123.2 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

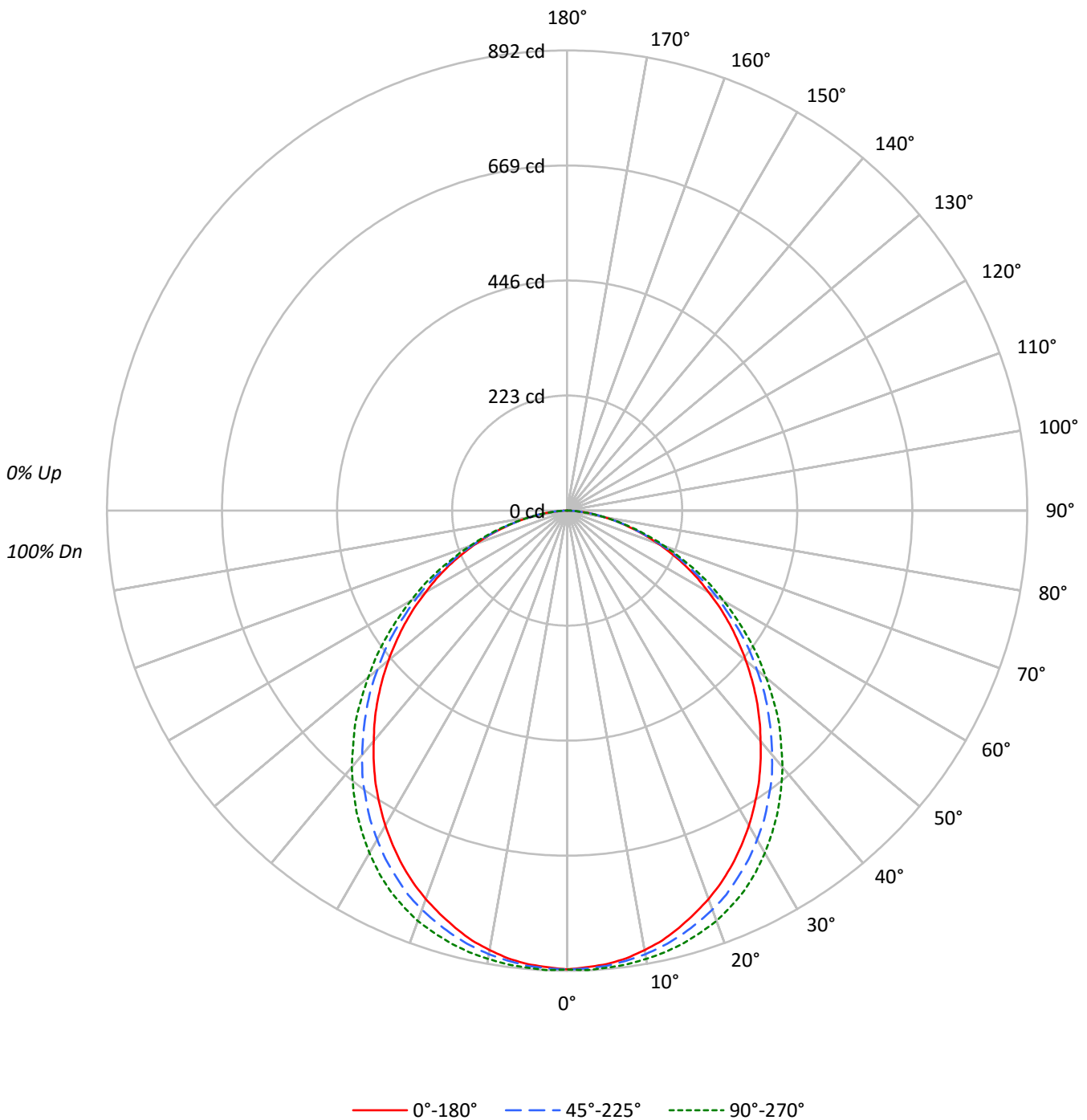
Input Watts (W): 18.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P298310

CATALOG NUMBER: D3X-WO-25L83050-LD5-UNV-22-T1-W2A-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P298310

CATALOG NUMBER: D3X-WO-25L83050-LD5-UNV-22-T1-W2A-3000K

**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°	2393	2393	2393
5°	2384	2393	2402
10°	2364	2386	2411
15°	2332	2374	2420
20°	2295	2358	2424
25°	2248	2328	2414
30°	2191	2288	2382
35°	2126	2236	2339
40°	2049	2171	2281
45°	1977	2096	2211
50°	1893	2010	2107
55°	1806	1915	2008
60°	1704	1803	1885
65°	1610	1669	1750
70°	1478	1524	1578
75°	1314	1351	1387
80°	1133	1114	1114
85°	858	787	716



TEST NUMBER: P298310

CATALOG NUMBER: D3X-WO-25L83050-LD5-UNV-22-T1-W2A-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.1	3.6
10°-20°	240.5	10.3
20°-30°	361.1	15.5
30°-40°	425.0	18.2
40°-50°	423.9	18.2
50°-60°	363.7	15.6
60°-70°	260.5	11.2
70°-80°	138.0	5.9
80°-90°	32.3	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°	685.7	29.4
0°-40°	1110.7	47.7
0°-60°	1898.3	81.5
0°-90°	2329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2329.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	889	889	889	889	889	
5°	882	882	886	888	889	84
15°	837	841	852	864	869	236
25°	757	764	784	804	813	348
35°	647	655	681	704	712	404
45°	520	528	551	570	581	400
55°	385	391	408	422	428	344
65°	253	254	262	272	275	250
75°	126	126	130	132	133	136
85°	28	27	26	23	23	34
90°	0	0	0	0	0	



TEST NUMBER: P298310

CATALOG NUMBER: D3X-WO-25L83050-LD5-UNV-22-T1-W2A-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	889.4	889.4	889.4	889.4	889.4
2.5°	885.9	885.9	888.3	890.6	891.7
5°	882.5	882.5	885.9	888.3	889.4
7.5°	875.5	875.5	880.1	884.8	887.1
10°	865.1	867.4	873.2	880.1	882.5
12.5°	853.5	855.8	863.9	873.2	876.7
15°	837.2	840.7	852.3	863.9	868.6
17.5°	819.8	824.5	838.4	852.3	858.1
20°	801.3	805.9	823.3	839.6	846.5
22.5°	780.4	786.2	805.9	823.3	830.3
25°	757.2	764.2	783.9	803.6	812.9
27.5°	731.7	739.8	761.9	782.7	790.9
30°	705.0	714.3	736.4	758.4	766.5
32.5°	676.1	684.2	710.8	731.7	739.8
35°	647.1	655.2	680.7	703.9	712.0
37.5°	615.8	626.2	651.7	672.6	680.7
40°	583.3	593.7	618.1	642.4	649.4
42.5°	552.0	561.3	584.4	606.5	613.4
45°	519.5	527.6	550.8	570.5	581.0
47.5°	485.9	494.0	517.2	535.7	541.5
50°	452.2	460.4	480.1	496.3	503.3
52.5°	418.6	426.7	445.3	460.4	467.3
55°	385.0	390.8	408.2	422.1	427.9
57.5°	351.4	356.0	369.9	385.0	388.5
60°	316.6	322.4	335.1	345.6	350.2
62.5°	285.3	287.6	299.2	308.5	314.3
65°	252.8	254.0	262.1	272.5	274.8
67.5°	219.2	220.3	228.4	234.2	236.6
70°	187.9	187.9	193.7	198.3	200.6
72.5°	157.7	156.5	160.0	164.7	167.0
75°	126.4	126.4	129.9	132.2	133.4
77.5°	99.7	97.4	99.7	102.0	102.0
80°	73.1	71.9	71.9	73.1	71.9
82.5°	49.9	48.7	49.9	47.5	46.4
85°	27.8	26.7	25.5	23.2	23.2
87.5°	9.3	8.1	8.1	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)