

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: P298252

Luminaire Tested: **D3X-WG-20L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-20L92765-LD5-UNV-22-T1-W2A-3000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1534.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

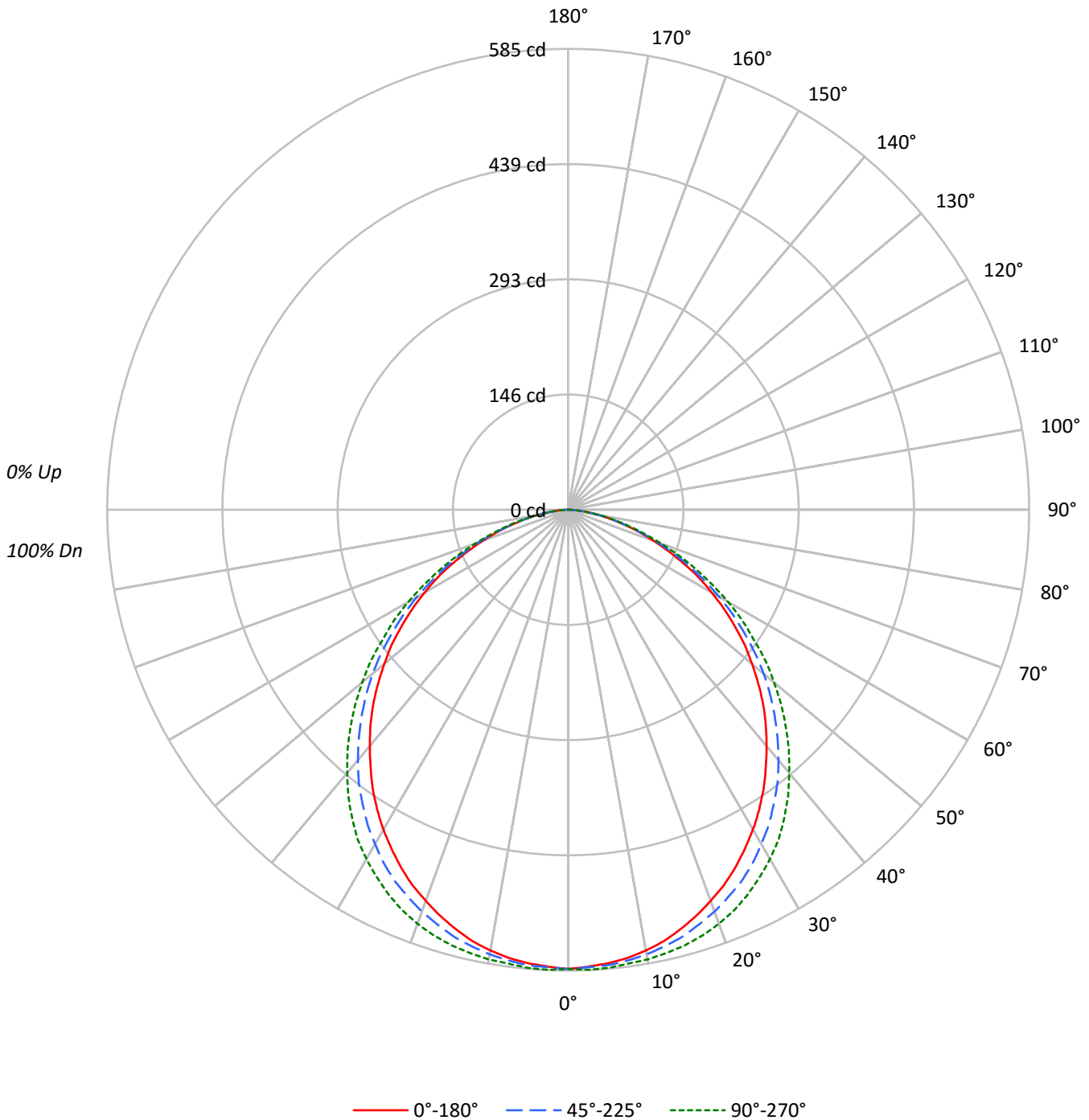
Input Watts (W): 15.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	86	80	97	90	84	79	87	82	77	83	79	76	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	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	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	47	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	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1569	1569	1569
5°	1562	1568	1577
10°	1553	1566	1584
15°	1536	1563	1595
20°	1513	1555	1602
25°	1489	1545	1600
30°	1457	1523	1591
35°	1420	1495	1570
40°	1376	1459	1533
45°	1332	1410	1487
50°	1275	1356	1428
55°	1211	1280	1348
60°	1131	1192	1262
65°	1032	1079	1140
70°	903	942	980
75°	770	787	821
80°	618	631	643
85°	454	426	401



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.2	3.6
10°-20°	158.4	10.3
20°-30°	239.4	15.6
30°-40°	284.4	18.5
40°-50°	285.5	18.6
50°-60°	243.9	15.9
60°-70°	168.0	11.0
70°-80°	81.5	5.3
80°-90°	17.8	1.2
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°	453.0	29.5
0°-40°	737.3	48.1
0°-60°	1266.7	82.6
0°-90°	1534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1534.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	583	583	583	583	583	
5°	578	578	580	582	584	55
15°	551	554	561	568	572	155
25°	502	506	520	534	539	231
35°	432	439	455	472	478	270
45°	350	355	370	386	391	270
55°	258	262	273	284	287	231
65°	162	162	169	177	179	161
75°	74	72	76	77	79	80
85°	15	15	14	13	13	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	583.0	583.0	583.0	583.0	583.0
2.5°	580.5	580.5	581.3	583.8	584.6
5°	578.1	578.1	580.5	582.1	583.8
7.5°	574.0	574.8	577.3	580.5	581.3
10°	568.3	569.1	573.2	577.3	579.7
12.5°	561.0	562.6	567.5	574.0	576.4
15°	551.2	553.6	561.0	568.3	572.4
17.5°	540.6	543.9	552.0	562.6	566.7
20°	528.4	532.5	543.1	554.5	559.3
22.5°	516.2	519.4	531.7	544.7	550.4
25°	501.5	505.6	520.3	534.1	539.0
27.5°	485.3	491.0	506.4	521.1	526.0
30°	469.0	473.9	490.1	506.4	512.1
32.5°	451.1	455.9	473.9	490.1	496.7
35°	432.3	438.8	455.1	472.2	477.9
37.5°	412.0	419.3	436.4	451.1	458.4
40°	391.6	398.1	415.2	430.7	436.4
42.5°	371.3	377.0	393.3	409.5	414.4
45°	350.1	355.0	370.5	385.9	390.8
47.5°	327.3	333.0	347.7	360.7	366.4
50°	304.5	310.2	324.0	336.3	341.1
52.5°	282.5	285.8	298.8	310.2	315.9
55°	258.1	262.2	272.8	284.1	287.4
57.5°	234.5	236.9	247.5	257.3	262.2
60°	210.1	211.7	221.5	228.8	234.5
62.5°	187.3	187.3	194.6	202.7	206.0
65°	162.0	162.0	169.4	176.7	179.1
67.5°	137.6	139.2	144.1	149.8	151.4
70°	114.8	114.8	119.7	123.8	124.6
72.5°	94.4	93.6	96.1	99.3	101.0
75°	74.1	72.5	75.7	77.3	79.0
77.5°	56.2	55.4	57.0	58.6	58.6
80°	39.9	39.1	40.7	40.7	41.5
82.5°	26.1	26.9	26.9	26.1	25.2
85°	14.7	14.7	13.8	13.0	13.0
87.5°	4.9	4.9	4.9	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)