

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: P298268

Luminaire Tested: **D3X-WG-25L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298268  
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-25L92765-LD5-UNV-22-T1-W2A-6500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2195.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 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

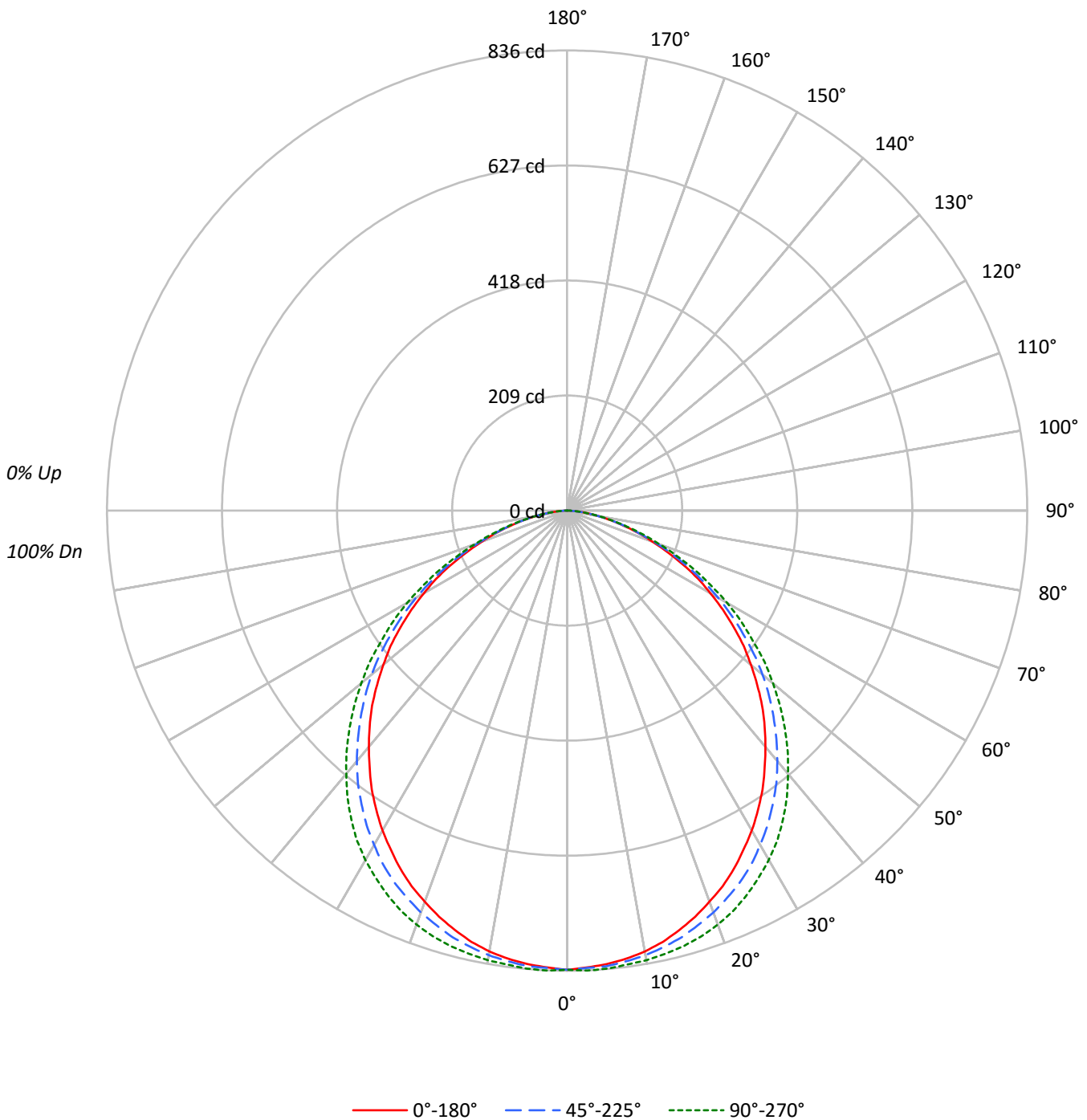
Input Watts (W): 19.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2245	2245	2245
5°	2234	2244	2256
10°	2222	2241	2267
15°	2197	2236	2282
20°	2165	2225	2292
25°	2131	2210	2290
30°	2085	2179	2277
35°	2032	2139	2247
40°	1969	2087	2193
45°	1907	2017	2128
50°	1824	1941	2043
55°	1733	1831	1930
60°	1618	1706	1806
65°	1476	1543	1632
70°	1293	1348	1402
75°	1102	1126	1175
80°	885	903	921
85°	648	611	574



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.0	3.6
10°-20°	226.6	10.3
20°-30°	342.6	15.6
30°-40°	406.9	18.5
40°-50°	408.5	18.6
50°-60°	348.9	15.9
60°-70°	240.4	11.0
70°-80°	116.6	5.3
80°-90°	25.5	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°	648.1	29.5
0°-40°	1055.0	48.1
0°-60°	1812.5	82.6
0°-90°	2195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2195.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	827	827	831	833	835	79
15°	789	792	803	813	819	222
25°	718	724	744	764	771	330
35°	619	628	651	676	684	386
45°	501	508	530	552	559	386
55°	369	375	390	407	411	330
65°	232	232	242	253	256	230
75°	106	104	108	111	113	114
85°	21	21	20	19	19	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	834.2	834.2	834.2	834.2	834.2
2.5°	830.7	830.7	831.8	835.3	836.5
5°	827.2	827.2	830.7	833.0	835.3
7.5°	821.3	822.5	826.0	830.7	831.8
10°	813.2	814.3	820.2	826.0	829.5
12.5°	802.7	805.0	812.0	821.3	824.8
15°	788.7	792.2	802.7	813.2	819.0
17.5°	773.6	778.2	789.9	805.0	810.9
20°	756.1	761.9	777.1	793.4	800.4
22.5°	738.6	743.3	760.8	779.4	787.5
25°	717.6	723.5	744.4	764.2	771.2
27.5°	694.3	702.5	724.6	745.6	752.6
30°	671.0	678.0	701.3	724.6	732.8
32.5°	645.4	652.4	678.0	701.3	710.7
35°	618.6	627.9	651.2	675.7	683.9
37.5°	589.5	600.0	624.4	645.4	655.9
40°	560.4	569.7	594.2	616.3	624.4
42.5°	531.2	539.4	562.7	586.0	593.0
45°	501.0	507.9	530.1	552.2	559.2
47.5°	468.3	476.5	497.5	516.1	524.3
50°	435.7	443.9	463.7	481.2	488.1
52.5°	404.3	408.9	427.6	443.9	452.0
55°	369.3	375.1	390.3	406.6	411.3
57.5°	335.5	339.0	354.2	368.1	375.1
60°	300.6	302.9	316.9	327.4	335.5
62.5°	268.0	268.0	278.4	290.1	294.7
65°	231.8	231.8	242.3	252.8	256.3
67.5°	196.9	199.2	206.2	214.4	216.7
70°	164.3	164.3	171.3	177.1	178.2
72.5°	135.1	134.0	137.5	142.1	144.5
75°	106.0	103.7	108.3	110.7	113.0
77.5°	80.4	79.2	81.6	83.9	83.9
80°	57.1	55.9	58.3	58.3	59.4
82.5°	37.3	38.4	38.4	37.3	36.1
85°	21.0	21.0	19.8	18.6	18.6
87.5°	7.0	7.0	7.0	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)