

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: P298179

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298179  
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-25L82765-LD5-UNV-22-T1-W2A-4000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2307.9 lumens  
Efficiency: N/A  
Efficacy: 120.8 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

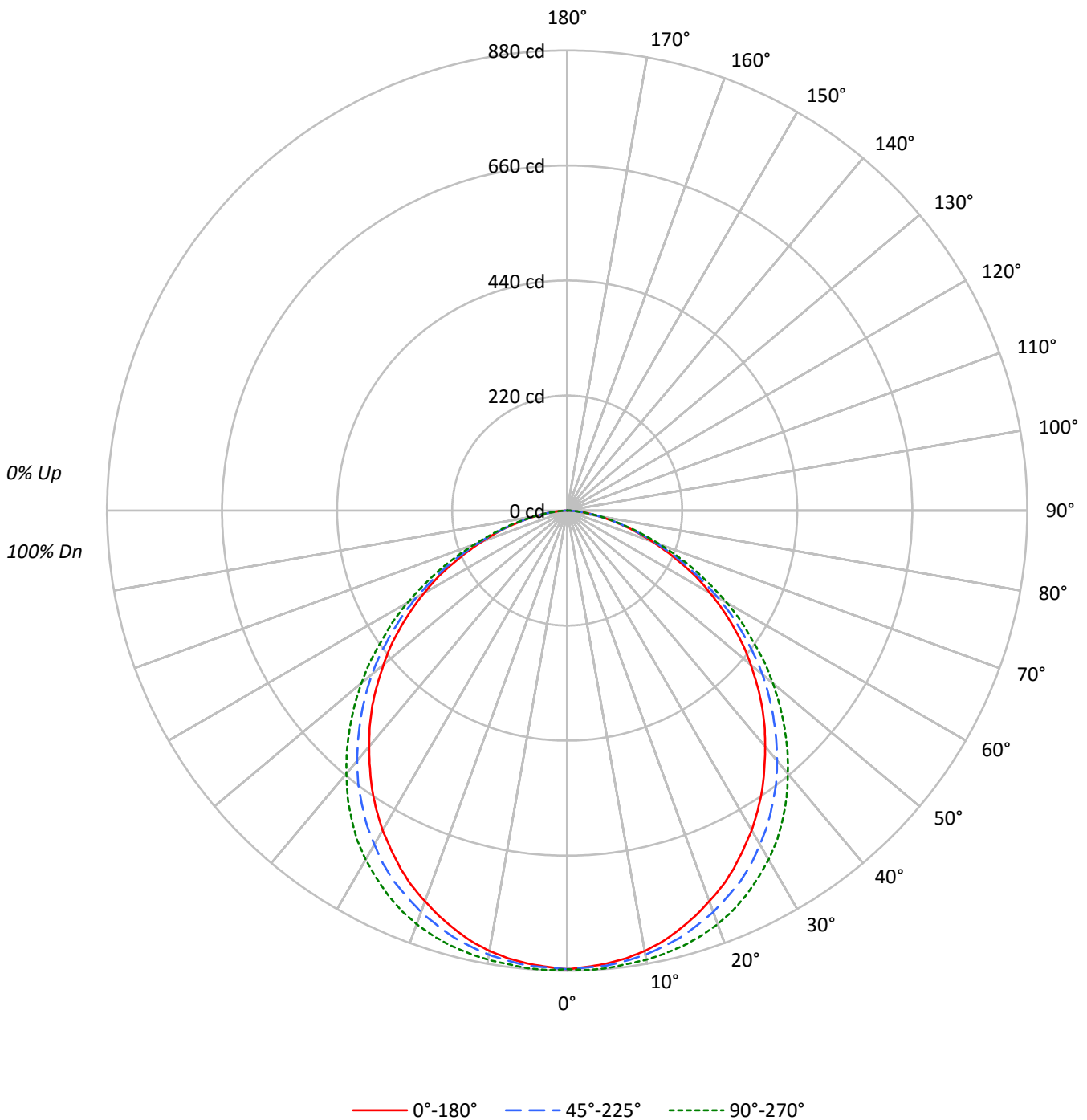
Input Watts (W): 19.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2360	2360	2360
5°	2349	2359	2373
10°	2336	2357	2383
15°	2310	2351	2399
20°	2277	2340	2410
25°	2241	2324	2408
30°	2192	2291	2394
35°	2137	2250	2362
40°	2070	2194	2307
45°	2004	2121	2238
50°	1918	2041	2149
55°	1822	1925	2029
60°	1701	1793	1899
65°	1552	1622	1716
70°	1359	1417	1474
75°	1159	1184	1235
80°	930	948	969
85°	679	642	605



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.0	3.6
10°-20°	238.3	10.3
20°-30°	360.2	15.6
30°-40°	427.9	18.5
40°-50°	429.5	18.6
50°-60°	366.9	15.9
60°-70°	252.8	11.0
70°-80°	122.6	5.3
80°-90°	26.8	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°	681.5	29.5
0°-40°	1109.4	48.1
0°-60°	1905.8	82.6
0°-90°	2307.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2307.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	877	877	877	877	877	
5°	870	870	873	876	878	83
15°	829	833	844	855	861	234
25°	755	761	783	804	811	347
35°	650	660	685	710	719	406
45°	527	534	557	581	588	405
55°	388	394	410	428	432	347
65°	244	244	255	266	270	241
75°	112	109	114	116	119	120
85°	22	22	21	20	20	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	877.1	877.1	877.1	877.1	877.1
2.5°	873.4	873.4	874.6	878.3	879.5
5°	869.7	869.7	873.4	875.9	878.3
7.5°	863.6	864.8	868.5	873.4	874.6
10°	855.0	856.3	862.4	868.5	872.2
12.5°	844.0	846.5	853.8	863.6	867.3
15°	829.3	833.0	844.0	855.0	861.2
17.5°	813.4	818.3	830.5	846.5	852.6
20°	795.0	801.1	817.1	834.2	841.6
22.5°	776.6	781.5	799.9	819.5	828.1
25°	754.6	760.7	782.8	803.6	810.9
27.5°	730.1	738.7	761.9	784.0	791.3
30°	705.6	712.9	737.4	761.9	770.5
32.5°	678.6	686.0	712.9	737.4	747.2
35°	650.5	660.3	684.8	710.5	719.1
37.5°	619.8	630.9	656.6	678.6	689.7
40°	589.2	599.0	624.7	648.0	656.6
42.5°	558.6	567.2	591.7	616.2	623.5
45°	526.7	534.1	557.4	580.6	588.0
47.5°	492.4	501.0	523.1	542.7	551.2
50°	458.1	466.7	487.5	505.9	513.3
52.5°	425.1	430.0	449.6	466.7	475.3
55°	388.3	394.4	410.4	427.5	432.4
57.5°	352.8	356.5	372.4	387.1	394.4
60°	316.0	318.5	333.2	344.2	352.8
62.5°	281.7	281.7	292.8	305.0	309.9
65°	243.8	243.8	254.8	265.8	269.5
67.5°	207.0	209.5	216.8	225.4	227.8
70°	172.7	172.7	180.1	186.2	187.4
72.5°	142.1	140.9	144.5	149.4	151.9
75°	111.5	109.0	113.9	116.4	118.8
77.5°	84.5	83.3	85.7	88.2	88.2
80°	60.0	58.8	61.2	61.2	62.5
82.5°	39.2	40.4	40.4	39.2	38.0
85°	22.0	22.0	20.8	19.6	19.6
87.5°	7.3	7.3	7.3	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)