

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: P298433

Luminaire Tested: **D3X-WO-25L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298433  
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-25L92765-LD5-UNV-22-T1-W2A-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2279.0 lumens  
Efficiency: N/A  
Efficacy: 118.1 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

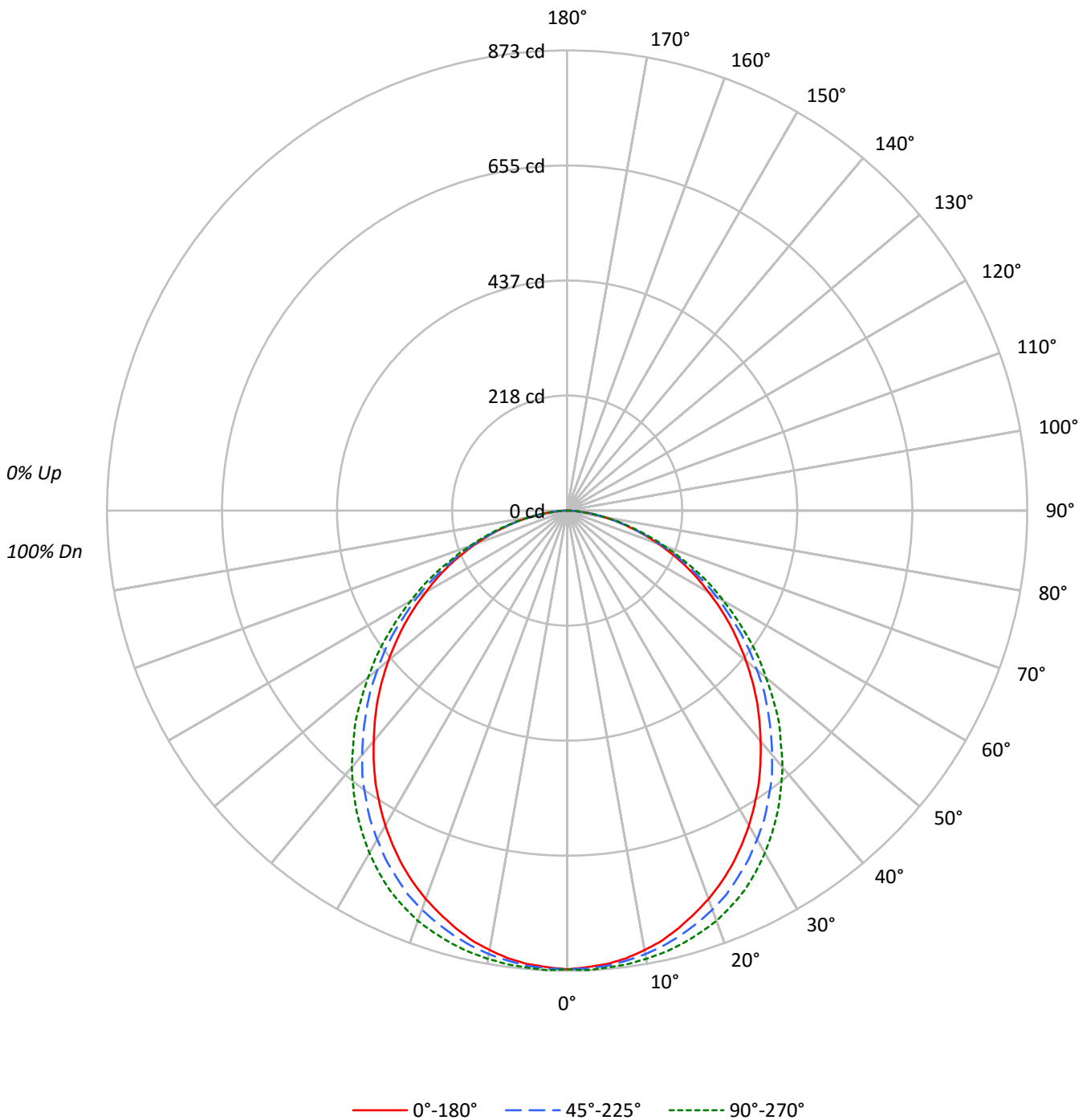
Input Watts (W): 19.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2342	2342	2342
5°	2333	2342	2351
10°	2313	2335	2360
15°	2282	2323	2368
20°	2245	2307	2372
25°	2200	2278	2362
30°	2144	2239	2330
35°	2080	2188	2289
40°	2005	2125	2232
45°	1935	2051	2163
50°	1852	1967	2062
55°	1767	1874	1964
60°	1667	1765	1844
65°	1575	1633	1712
70°	1446	1491	1544
75°	1286	1321	1357
80°	1108	1091	1091
85°	840	772	701



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.3	3.6
10°-20°	235.3	10.3
20°-30°	353.3	15.5
30°-40°	415.8	18.2
40°-50°	414.8	18.2
50°-60°	355.9	15.6
60°-70°	254.9	11.2
70°-80°	135.0	5.9
80°-90°	31.6	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°	671.0	29.4
0°-40°	1086.8	47.7
0°-60°	1857.5	81.5
0°-90°	2279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2279.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	864	864	867	869	870	82
15°	819	823	834	845	850	231
25°	741	748	767	786	795	341
35°	633	641	666	689	697	395
45°	508	516	539	558	568	392
55°	377	382	399	413	419	337
65°	247	248	256	267	269	244
75°	124	124	127	129	130	133
85°	27	26	25	23	23	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	870.3	870.3	870.3	870.3	870.3
2.5°	866.9	866.9	869.2	871.5	872.6
5°	863.5	863.5	866.9	869.2	870.3
7.5°	856.7	856.7	861.3	865.8	868.1
10°	846.5	848.8	854.4	861.3	863.5
12.5°	835.2	837.4	845.4	854.4	857.8
15°	819.3	822.7	834.0	845.4	849.9
17.5°	802.2	806.8	820.4	834.0	839.7
20°	784.1	788.6	805.7	821.5	828.3
22.5°	763.7	769.3	788.6	805.7	812.5
25°	741.0	747.8	767.1	786.4	795.4
27.5°	716.0	724.0	745.5	765.9	773.9
30°	689.9	699.0	720.5	742.1	750.0
32.5°	661.5	669.5	695.6	716.0	724.0
35°	633.2	641.1	666.1	688.8	696.7
37.5°	602.5	612.7	637.7	658.1	666.1
40°	570.8	581.0	604.8	628.6	635.4
42.5°	540.1	549.2	571.9	593.5	600.3
45°	508.4	516.3	539.0	558.3	568.5
47.5°	475.4	483.4	506.1	524.2	529.9
50°	442.5	450.5	469.8	485.7	492.5
52.5°	409.6	417.6	435.7	450.5	457.3
55°	376.7	382.4	399.4	413.0	418.7
57.5°	343.8	348.4	362.0	376.7	380.1
60°	309.8	315.5	327.9	338.1	342.7
62.5°	279.1	281.4	292.8	301.8	307.5
65°	247.4	248.5	256.4	266.7	268.9
67.5°	214.5	215.6	223.5	229.2	231.5
70°	183.8	183.8	189.5	194.0	196.3
72.5°	154.3	153.2	156.6	161.1	163.4
75°	123.7	123.7	127.1	129.4	130.5
77.5°	97.6	95.3	97.6	99.9	99.9
80°	71.5	70.4	70.4	71.5	70.4
82.5°	48.8	47.7	48.8	46.5	45.4
85°	27.2	26.1	25.0	22.7	22.7
87.5°	9.1	7.9	7.9	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)