

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: P296902

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296902  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-31L92765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2570.0 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

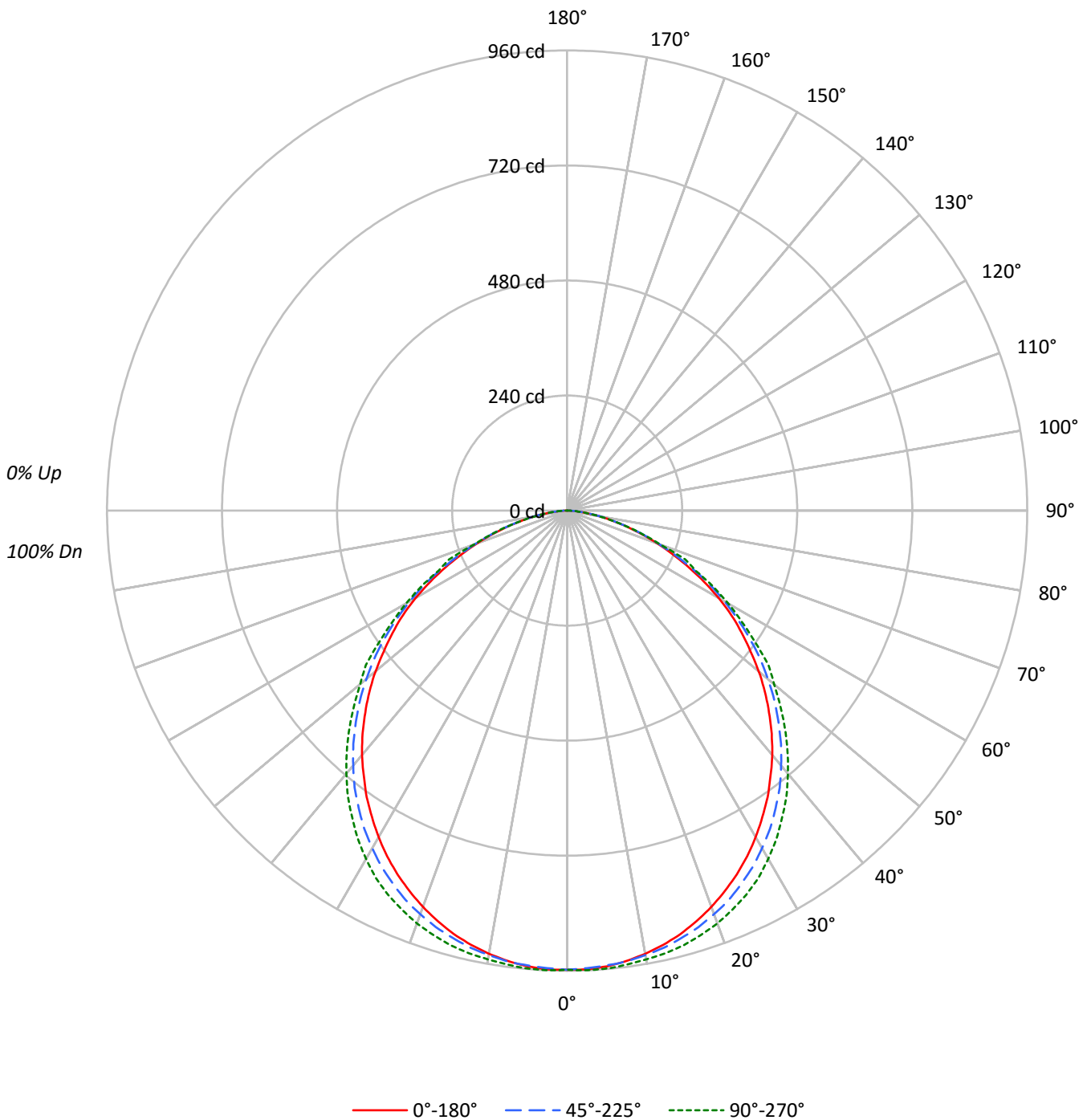
Input Watts (W): 21.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	1289	1289	1289
5°	1289	1286	1295
10°	1282	1286	1299
15°	1274	1286	1308
20°	1260	1283	1312
25°	1243	1276	1313
30°	1222	1264	1304
35°	1198	1245	1284
40°	1169	1220	1258
45°	1134	1186	1223
50°	1092	1145	1179
55°	1043	1090	1123
60°	983	1020	1045
65°	892	922	940
70°	784	802	813
75°	662	671	676
80°	528	536	521
85°	357	371	357



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.8	3.5
10°-20°	261.1	10.2
20°-30°	396.2	15.4
30°-40°	473.0	18.4
40°-50°	478.8	18.6
50°-60°	413.9	16.1
60°-70°	286.9	11.2
70°-80°	138.8	5.4
80°-90°	30.5	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°	748.1	29.1
0°-40°	1221.1	47.5
0°-60°	2113.8	82.2
0°-90°	2570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	954	954	952	957	959	91
15°	915	917	923	934	939	258
25°	837	843	859	877	884	386
35°	729	736	758	777	782	456
45°	596	604	623	639	643	459
55°	444	449	465	484	479	397
65°	280	283	290	294	295	277
75°	127	128	129	128	130	137
85°	23	25	24	23	23	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	958.1	958.1	958.1	958.1	958.1
2.5°	958.1	957.2	955.3	958.1	959.9
5°	954.4	953.5	952.5	957.2	959.0
7.5°	947.9	947.9	948.9	953.5	955.3
10°	938.7	939.6	941.5	948.9	950.7
12.5°	927.6	929.5	934.1	942.4	946.1
15°	914.7	916.6	923.0	934.1	938.7
17.5°	898.1	901.8	911.0	924.0	928.6
20°	879.7	884.3	896.3	911.0	916.6
22.5°	859.4	864.0	879.7	895.4	900.9
25°	837.3	842.8	859.4	876.9	884.3
27.5°	813.3	819.8	838.2	856.6	864.0
30°	786.6	793.9	813.3	832.7	839.1
32.5°	758.0	765.4	787.5	805.9	812.4
35°	729.4	735.8	758.0	777.3	782.0
37.5°	697.1	704.5	728.5	745.1	751.5
40°	665.8	673.1	694.4	711.0	716.5
42.5°	631.6	639.0	660.2	675.9	680.5
45°	595.7	604.0	623.3	639.0	642.7
47.5°	559.7	566.2	586.5	600.3	603.1
50°	521.9	528.4	546.8	560.6	563.4
52.5°	482.3	492.4	507.2	517.3	529.3
55°	444.5	449.1	464.7	484.1	478.6
57.5°	406.7	409.4	422.3	430.6	432.5
60°	365.2	368.8	379.0	383.6	388.2
62.5°	321.8	324.6	336.6	341.2	343.0
65°	280.3	283.1	289.5	294.2	295.1
67.5°	237.9	240.7	246.2	249.9	266.5
70°	199.2	201.0	203.8	211.2	206.6
72.5°	162.3	163.2	166.0	166.0	166.9
75°	127.3	128.2	129.1	128.2	130.0
77.5°	95.0	96.8	97.7	96.8	95.9
80°	68.2	70.1	69.2	67.3	67.3
82.5°	44.3	45.2	44.3	43.3	43.3
85°	23.1	24.9	24.0	23.1	23.1
87.5°	8.3	9.2	10.1	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)