

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: P297460

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2526.0 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

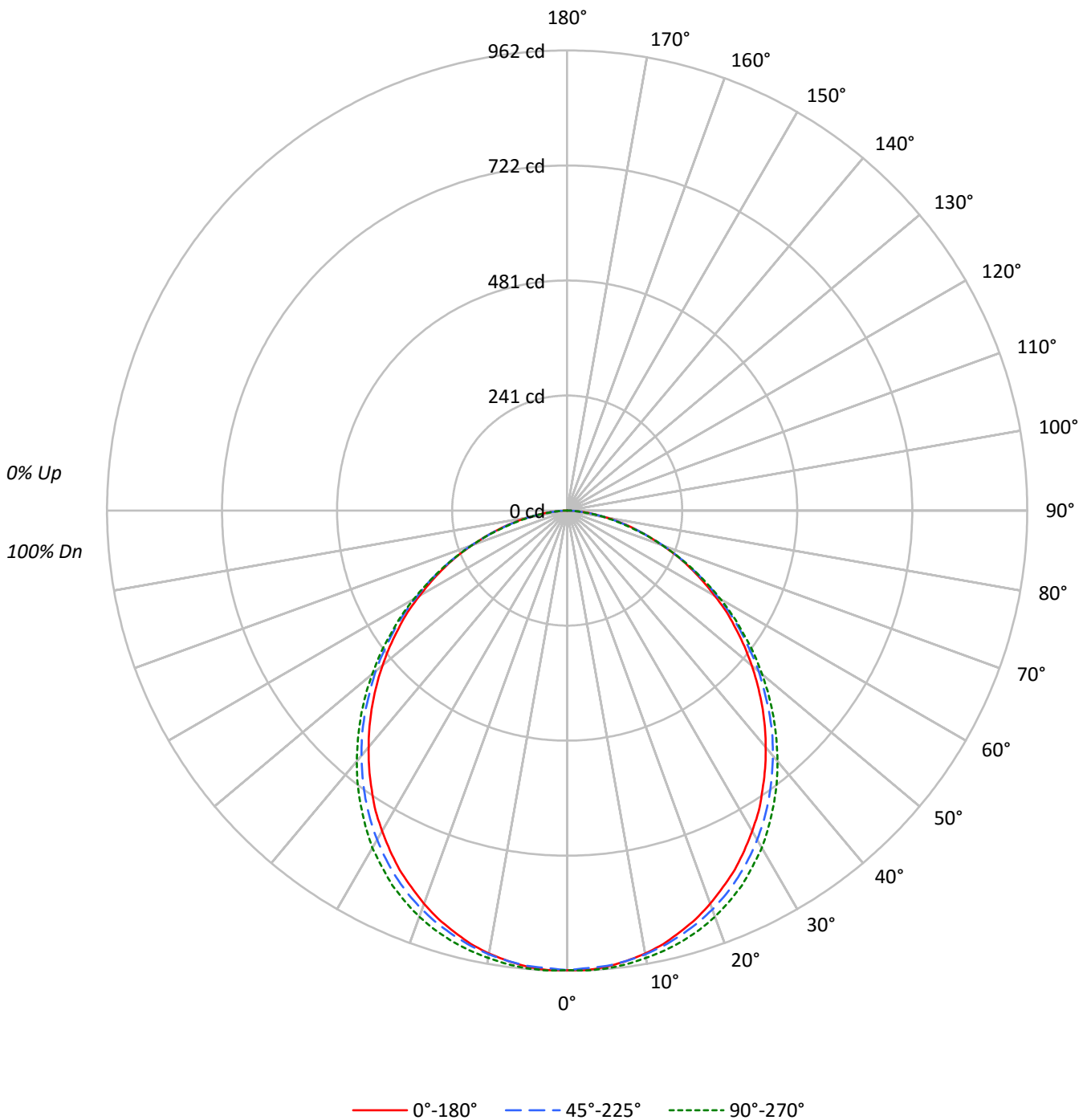
Input Watts (W): 21  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	1293	1293	1293
5°	1293	1291	1298
10°	1285	1287	1297
15°	1271	1280	1298
20°	1252	1271	1294
25°	1230	1256	1283
30°	1202	1235	1265
35°	1170	1208	1236
40°	1134	1175	1202
45°	1096	1137	1161
50°	1054	1094	1113
55°	1010	1042	1058
60°	959	985	996
65°	905	918	924
70°	830	840	830
75°	748	743	721
80°	633	626	607
85°	472	460	408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.0	3.6
10°-20°	259.8	10.3
20°-30°	389.6	15.4
30°-40°	458.8	18.2
40°-50°	458.9	18.2
50°-60°	395.9	15.7
60°-70°	284.9	11.3
70°-80°	151.1	6.0
80°-90°	36.0	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°	740.4	29.3
0°-40°	1199.2	47.5
0°-60°	2053.9	81.3
0°-90°	2526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	961	961	961	961	961	
5°	957	956	956	959	961	91
15°	912	915	919	928	932	257
25°	829	834	846	860	864	381
35°	712	721	735	748	752	446
45°	576	584	597	608	610	444
55°	431	435	444	452	451	385
65°	284	285	288	290	290	281
75°	144	142	143	140	139	153
85°	31	31	30	27	26	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	960.7	960.7	960.7	960.7	960.7
2.5°	961.5	959.8	957.3	960.7	962.4
5°	957.3	956.4	955.6	959.0	960.7
7.5°	949.6	950.5	949.6	954.7	956.4
10°	940.3	941.1	942.0	947.9	949.6
12.5°	928.3	929.2	931.8	939.4	942.0
15°	912.2	914.7	919.0	928.3	931.8
17.5°	895.2	898.6	904.5	915.6	919.0
20°	874.7	879.0	887.5	899.4	903.7
22.5°	851.8	856.0	867.9	880.7	885.0
25°	828.8	833.9	845.8	860.3	864.5
27.5°	801.6	808.4	821.1	835.6	839.0
30°	773.5	779.4	794.8	808.4	814.3
32.5°	745.4	751.4	765.8	779.4	783.7
35°	712.2	720.7	735.2	748.0	752.2
37.5°	679.9	687.5	702.9	715.6	719.9
40°	645.8	652.7	668.8	680.7	684.1
42.5°	611.8	618.6	634.8	644.1	647.5
45°	576.1	583.7	597.3	607.6	610.1
47.5°	540.3	546.3	559.1	568.4	571.8
50°	503.7	509.7	522.5	530.1	531.8
52.5°	467.2	471.4	483.3	490.1	492.7
55°	430.6	434.8	444.2	451.8	451.0
57.5°	395.7	397.4	406.7	411.8	411.8
60°	356.5	358.2	365.9	369.3	370.1
62.5°	319.9	322.5	328.5	329.3	329.3
65°	284.2	285.1	288.5	290.2	290.2
67.5°	248.5	247.6	251.0	251.0	250.2
70°	211.0	212.7	213.6	211.9	211.0
72.5°	177.0	176.1	176.1	175.3	175.3
75°	143.8	142.1	143.0	139.6	138.7
77.5°	113.2	110.6	109.8	108.1	106.4
80°	81.7	81.7	80.8	79.1	78.3
82.5°	54.5	54.5	53.6	51.9	50.2
85°	30.6	30.6	29.8	27.2	26.4
87.5°	10.2	10.2	10.2	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)