

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: P296901

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296901  
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-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2490.0 lumens  
Efficiency: N/A  
Efficacy: 116.9 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

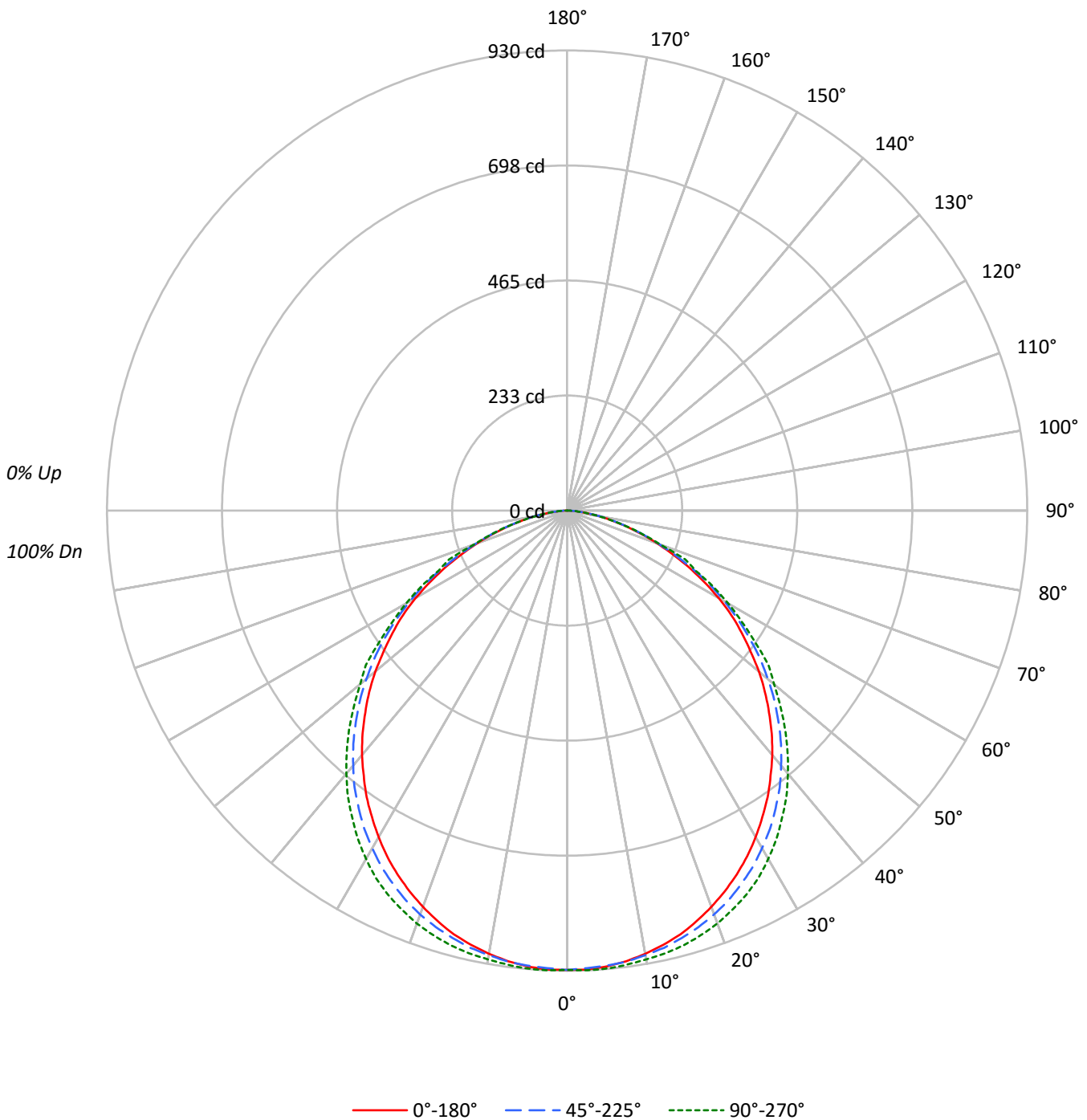
Input Watts (W): 21.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1249	1249	1249
5°	1249	1246	1255
10°	1243	1246	1258
15°	1235	1246	1267
20°	1220	1243	1272
25°	1204	1236	1272
30°	1184	1224	1263
35°	1161	1206	1244
40°	1133	1182	1219
45°	1098	1149	1185
50°	1059	1109	1143
55°	1010	1056	1088
60°	952	988	1012
65°	865	893	910
70°	759	777	787
75°	641	650	655
80°	512	519	505
85°	344	358	344



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	3.5
10°-20°	253.0	10.2
20°-30°	383.8	15.4
30°-40°	458.3	18.4
40°-50°	463.9	18.6
50°-60°	401.0	16.1
60°-70°	277.9	11.2
70°-80°	134.5	5.4
80°-90°	29.6	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°	724.8	29.1
0°-40°	1183.1	47.5
0°-60°	2048.0	82.2
0°-90°	2490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2490.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	925	924	923	927	929	88
15°	886	888	894	905	910	250
25°	811	817	833	850	857	374
35°	707	713	734	753	758	441
45°	577	585	604	619	623	445
55°	431	435	450	469	464	385
65°	272	274	280	285	286	269
75°	123	124	125	124	126	132
85°	22	24	23	22	22	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	928.3	928.3	928.3	928.3	928.3
2.5°	928.3	927.4	925.6	928.3	930.0
5°	924.7	923.8	922.9	927.4	929.1
7.5°	918.4	918.4	919.3	923.8	925.6
10°	909.5	910.4	912.2	919.3	921.1
12.5°	898.8	900.6	905.0	913.1	916.6
15°	886.3	888.1	894.3	905.0	909.5
17.5°	870.2	873.8	882.7	895.2	899.7
20°	852.3	856.8	868.4	882.7	888.1
22.5°	832.7	837.1	852.3	867.5	872.9
25°	811.2	816.6	832.7	849.6	856.8
27.5°	788.0	794.2	812.1	830.0	837.1
30°	762.1	769.2	788.0	806.8	813.0
32.5°	734.4	741.5	763.0	780.8	787.1
35°	706.7	712.9	734.4	753.1	757.6
37.5°	675.4	682.6	705.8	721.9	728.1
40°	645.0	652.2	672.7	688.8	694.2
42.5°	612.0	619.1	639.7	654.9	659.3
45°	577.1	585.2	603.9	619.1	622.7
47.5°	542.3	548.6	568.2	581.6	584.3
50°	505.7	511.9	529.8	543.2	545.9
52.5°	467.3	477.1	491.4	501.2	512.8
55°	430.6	435.1	450.3	469.0	463.7
57.5°	394.0	396.7	409.2	417.2	419.0
60°	353.8	357.4	367.2	371.7	376.1
62.5°	311.8	314.5	326.1	330.6	332.3
65°	271.6	274.3	280.5	285.0	285.9
67.5°	230.5	233.2	238.5	242.1	258.2
70°	193.0	194.8	197.4	204.6	200.1
72.5°	157.2	158.1	160.8	160.8	161.7
75°	123.3	124.2	125.1	124.2	126.0
77.5°	92.0	93.8	94.7	93.8	92.9
80°	66.1	67.9	67.0	65.2	65.2
82.5°	42.9	43.8	42.9	42.0	42.0
85°	22.3	24.1	23.2	22.3	22.3
87.5°	8.0	8.9	9.8	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)