

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: P296855

Luminaire Tested: **D3X-WD-36L93050-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296855  
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-36L93050-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: 2931.0 lumens  
Efficiency: N/A  
Efficacy: 114.0 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

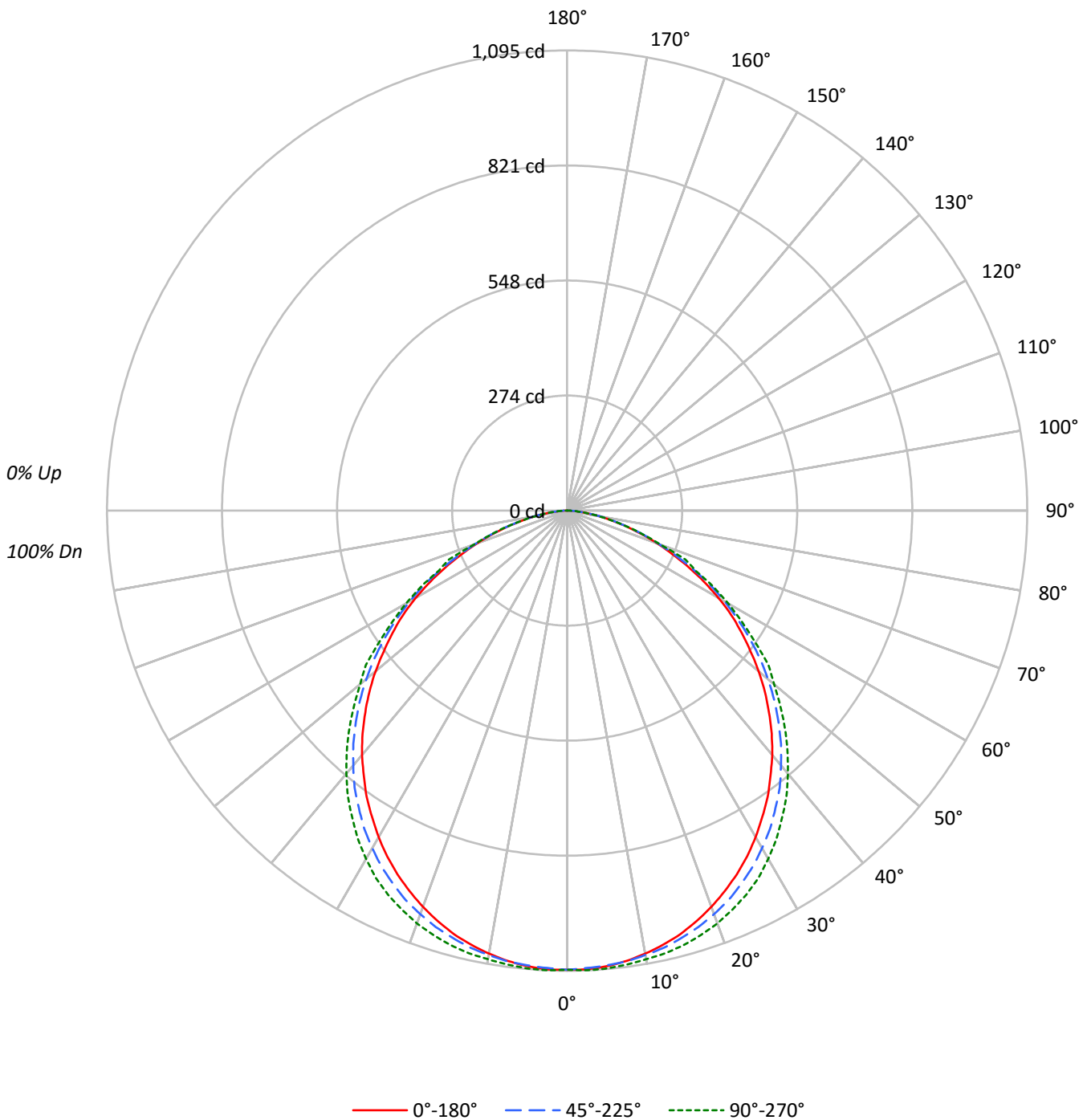
Input Watts (W): 25.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1470	1470	1470
5°	1470	1467	1477
10°	1463	1467	1481
15°	1453	1466	1491
20°	1437	1464	1497
25°	1418	1455	1497
30°	1394	1441	1487
35°	1366	1420	1465
40°	1334	1391	1435
45°	1293	1353	1395
50°	1246	1305	1345
55°	1189	1243	1280
60°	1121	1163	1191
65°	1018	1051	1071
70°	894	914	927
75°	754	765	771
80°	603	611	595
85°	406	421	406



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.6	3.5
10°-20°	297.8	10.2
20°-30°	451.8	15.4
30°-40°	539.4	18.4
40°-50°	546.1	18.6
50°-60°	472.0	16.1
60°-70°	327.2	11.2
70°-80°	158.3	5.4
80°-90°	34.8	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°	853.2	29.1
0°-40°	1392.6	47.5
0°-60°	2410.7	82.2
0°-90°	2931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2931.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1093	1093	1093	1093	1093	
5°	1088	1087	1086	1092	1094	103
15°	1043	1045	1053	1065	1071	294
25°	955	961	980	1000	1008	440
35°	832	839	864	886	892	520
45°	679	689	711	729	733	524
55°	507	512	530	552	546	453
65°	320	323	330	336	336	316
75°	145	146	147	146	148	156
85°	26	28	27	26	26	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1092.7	1092.7	1092.7	1092.7	1092.7
2.5°	1092.7	1091.6	1089.5	1092.7	1094.8
5°	1088.4	1087.4	1086.3	1091.6	1093.7
7.5°	1081.1	1081.1	1082.1	1087.4	1089.5
10°	1070.6	1071.6	1073.7	1082.1	1084.2
12.5°	1058.0	1060.1	1065.3	1074.8	1079.0
15°	1043.2	1045.3	1052.7	1065.3	1070.6
17.5°	1024.3	1028.5	1039.0	1053.7	1059.0
20°	1003.3	1008.5	1022.2	1039.0	1045.3
22.5°	980.1	985.4	1003.3	1021.1	1027.5
25°	954.9	961.2	980.1	1000.1	1008.5
27.5°	927.5	934.9	955.9	977.0	985.4
30°	897.1	905.5	927.5	949.6	957.0
32.5°	864.4	872.9	898.1	919.1	926.5
35°	831.8	839.2	864.4	886.5	891.8
37.5°	795.0	803.5	830.8	849.7	857.1
40°	759.3	767.7	791.9	810.8	817.1
42.5°	720.4	728.8	753.0	770.9	776.1
45°	679.4	688.8	710.9	728.8	733.0
47.5°	638.3	645.7	668.8	684.6	687.8
50°	595.2	602.6	623.6	639.4	642.6
52.5°	550.0	561.6	578.4	590.0	603.6
55°	506.9	512.1	530.0	552.1	545.8
57.5°	463.8	466.9	481.7	491.1	493.2
60°	416.5	420.7	432.2	437.5	442.7
62.5°	367.0	370.2	383.8	389.1	391.2
65°	319.7	322.9	330.2	335.5	336.5
67.5°	271.3	274.5	280.8	285.0	303.9
70°	227.2	229.3	232.4	240.8	235.6
72.5°	185.1	186.1	189.3	189.3	190.3
75°	145.1	146.2	147.2	146.2	148.3
77.5°	108.3	110.4	111.5	110.4	109.4
80°	77.8	79.9	78.9	76.8	76.8
82.5°	50.5	51.5	50.5	49.4	49.4
85°	26.3	28.4	27.3	26.3	26.3
87.5°	9.5	10.5	11.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)