

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: P297677

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-35L92765-LD5-UNV-14-T1-W2A-5500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3178.0 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

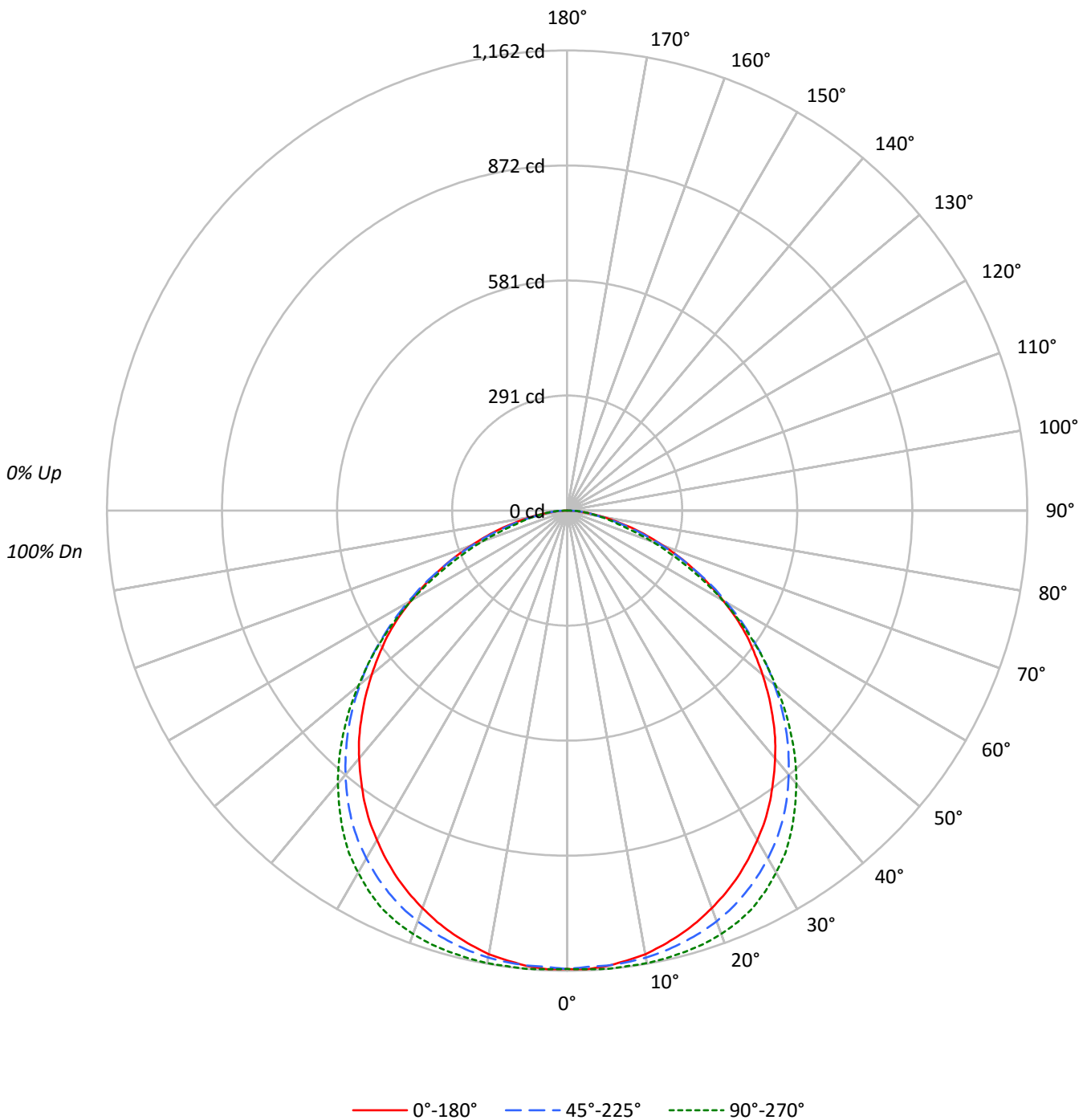
Input Watts (W): 34.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	3115	3115	3115
5°	3119	3115	3138
10°	3109	3132	3171
15°	3087	3146	3213
20°	3059	3161	3258
25°	3029	3163	3290
30°	2984	3152	3279
35°	2936	3122	3243
40°	2870	3060	3164
45°	2791	2974	3045
50°	2696	2856	2880
55°	2602	2702	2689
60°	2451	2504	2443
65°	2258	2267	2141
70°	2020	1976	1797
75°	1755	1638	1386
80°	1407	1275	1275
85°	1007	1183	1226



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	3.5
10°-20°	319.5	10.1
20°-30°	490.6	15.4
30°-40°	590.9	18.6
40°-50°	597.1	18.8
50°-60°	509.3	16.0
60°-70°	348.7	11.0
70°-80°	168.3	5.3
80°-90°	43.4	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°	920.3	29.0
0°-40°	1511.2	47.6
0°-60°	2617.7	82.4
0°-90°	3178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3178.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1158	1158	1158	1158	1158	
5°	1155	1155	1153	1160	1162	110
15°	1108	1116	1129	1149	1153	313
25°	1020	1036	1065	1097	1108	470
35°	894	914	950	980	987	558
45°	733	753	782	800	800	566
55°	555	565	576	579	573	494
65°	355	359	356	343	336	352
75°	169	169	158	139	133	179
85°	33	36	38	40	40	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1157.6	1157.6	1157.6	1157.6	1157.6
2.5°	1159.0	1157.6	1153.3	1159.0	1159.0
5°	1154.7	1154.7	1153.3	1160.4	1161.8
7.5°	1146.2	1149.1	1150.5	1159.0	1160.4
10°	1137.7	1140.6	1146.2	1157.6	1160.4
12.5°	1123.5	1129.2	1139.1	1154.7	1157.6
15°	1107.9	1116.4	1129.2	1149.1	1153.3
17.5°	1089.5	1100.8	1117.9	1140.6	1147.6
20°	1068.2	1081.0	1103.7	1129.2	1137.7
22.5°	1045.5	1059.7	1086.6	1116.4	1124.9
25°	1020.0	1035.6	1065.4	1096.6	1107.9
27.5°	991.6	1008.6	1041.2	1073.9	1083.8
30°	960.4	978.8	1014.3	1046.9	1055.4
32.5°	929.2	947.6	984.5	1015.7	1025.6
35°	893.7	913.6	950.5	980.3	987.3
37.5°	855.4	875.3	912.2	941.9	944.8
40°	817.1	837.0	871.0	898.0	900.8
42.5°	777.4	795.8	827.0	849.7	852.6
45°	733.4	753.3	781.6	800.1	800.1
47.5°	689.4	709.3	733.4	746.2	746.2
50°	644.0	662.5	682.3	689.4	688.0
52.5°	598.6	615.7	632.7	634.1	631.3
55°	554.7	564.6	576.0	578.8	573.1
57.5°	506.4	515.0	522.0	517.8	513.5
60°	455.4	463.9	465.3	458.2	454.0
62.5°	405.7	412.8	412.8	401.5	394.4
65°	354.6	358.9	356.1	343.3	336.2
67.5°	306.4	309.3	303.6	290.8	279.5
70°	256.8	258.2	251.1	235.5	228.4
72.5°	211.4	212.8	204.3	185.8	177.3
75°	168.8	168.8	157.5	139.0	133.3
77.5°	126.3	130.5	117.7	107.8	107.8
80°	90.8	95.0	82.3	83.7	82.3
82.5°	59.6	63.8	59.6	59.6	59.6
85°	32.6	35.5	38.3	39.7	39.7
87.5°	9.9	17.0	18.4	19.9	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)