

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: P297953

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L92765-LD5-UNV-14-T1-W2A-3500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3050.0 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

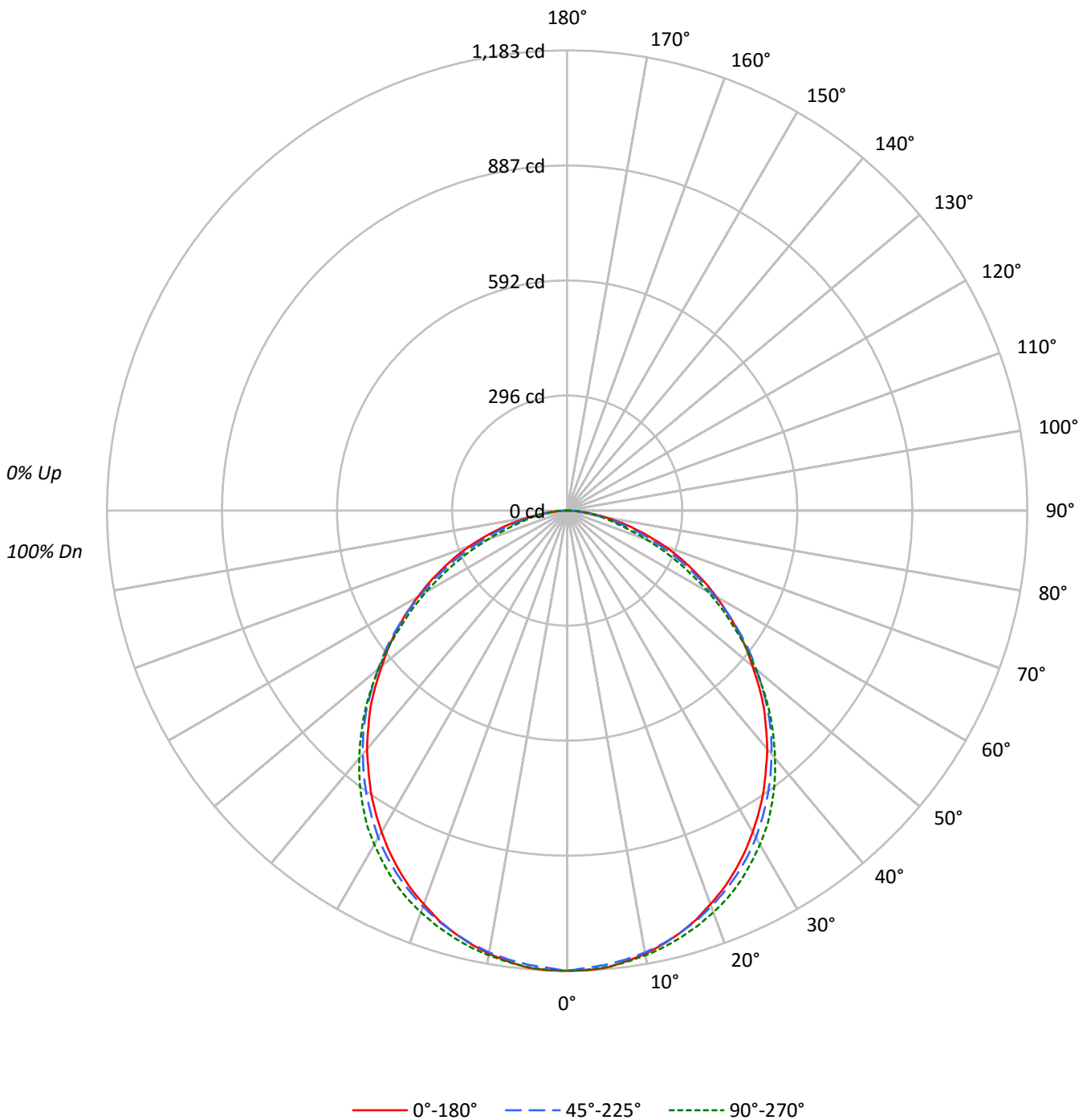
Input Watts (W): 33.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	3183	3183	3183
5°	3185	3164	3182
10°	3162	3151	3172
15°	3130	3130	3163
20°	3084	3103	3147
25°	3033	3067	3125
30°	2965	3017	3081
35°	2893	2948	3015
40°	2811	2870	2920
45°	2721	2780	2804
50°	2604	2658	2647
55°	2505	2523	2457
60°	2380	2345	2255
65°	2248	2157	2009
70°	2085	1913	1699
75°	1855	1640	1398
80°	1543	1342	1302
85°	1118	1198	1198



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.6	3.7
10°-20°	318.0	10.4
20°-30°	476.6	15.6
30°-40°	561.6	18.4
40°-50°	560.1	18.4
50°-60°	476.4	15.6
60°-70°	332.5	10.9
70°-80°	169.0	5.5
80°-90°	44.1	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°	906.3	29.7
0°-40°	1467.9	48.1
0°-60°	2504.4	82.1
0°-90°	3050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3050.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1179	1176	1171	1178	1178	112
15°	1124	1124	1124	1134	1135	317
25°	1021	1023	1033	1048	1052	470
35°	880	882	897	915	918	550
45°	715	718	730	736	737	550
55°	534	534	538	530	524	477
65°	353	348	339	321	316	350
75°	178	172	158	138	134	189
85°	36	38	39	39	39	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1183.0	1183.0	1183.0	1183.0	1183.0
2.5°	1183.0	1181.7	1176.5	1181.7	1181.7
5°	1179.1	1176.5	1171.4	1177.8	1177.8
7.5°	1168.8	1167.5	1163.6	1170.1	1170.1
10°	1157.1	1155.8	1153.3	1161.0	1161.0
12.5°	1141.6	1141.6	1140.3	1148.1	1149.4
15°	1123.5	1123.5	1123.5	1133.9	1135.2
17.5°	1102.8	1101.5	1105.4	1117.1	1118.3
20°	1077.0	1078.3	1083.4	1096.4	1099.0
22.5°	1051.1	1052.4	1058.9	1074.4	1078.3
25°	1021.4	1022.7	1033.0	1048.5	1052.4
27.5°	989.1	991.6	1003.3	1020.1	1022.7
30°	954.1	956.7	971.0	987.8	991.6
32.5°	917.9	921.8	934.8	952.9	958.0
35°	880.5	881.7	897.3	915.4	917.9
37.5°	839.1	843.0	858.5	874.0	876.6
40°	800.3	802.9	817.1	830.0	831.3
42.5°	756.3	760.2	775.7	784.8	784.8
45°	715.0	717.6	730.5	735.7	736.9
47.5°	668.4	671.0	682.6	685.2	685.2
50°	621.9	628.3	634.8	634.8	632.2
52.5°	579.2	580.5	588.3	583.1	580.5
55°	534.0	534.0	537.8	530.1	523.6
57.5°	488.7	488.7	488.7	478.4	473.2
60°	442.2	440.9	435.7	422.8	418.9
62.5°	398.2	394.3	386.6	373.6	365.9
65°	353.0	347.8	338.7	320.6	315.5
67.5°	310.3	301.2	290.9	274.1	265.0
70°	265.0	257.3	243.1	223.7	215.9
72.5°	221.1	213.3	201.7	182.3	170.7
75°	178.4	172.0	157.7	138.3	134.5
77.5°	137.0	133.2	118.9	109.9	108.6
80°	99.6	98.3	86.6	84.0	84.0
82.5°	65.9	64.6	60.8	60.8	59.5
85°	36.2	37.5	38.8	38.8	38.8
87.5°	12.9	15.5	18.1	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)