

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: P297681

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297681  
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-40L92765-LD5-UNV-14-T1-W2A-3000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3139.0 lumens  
Efficiency: N/A  
Efficacy: 80.3 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

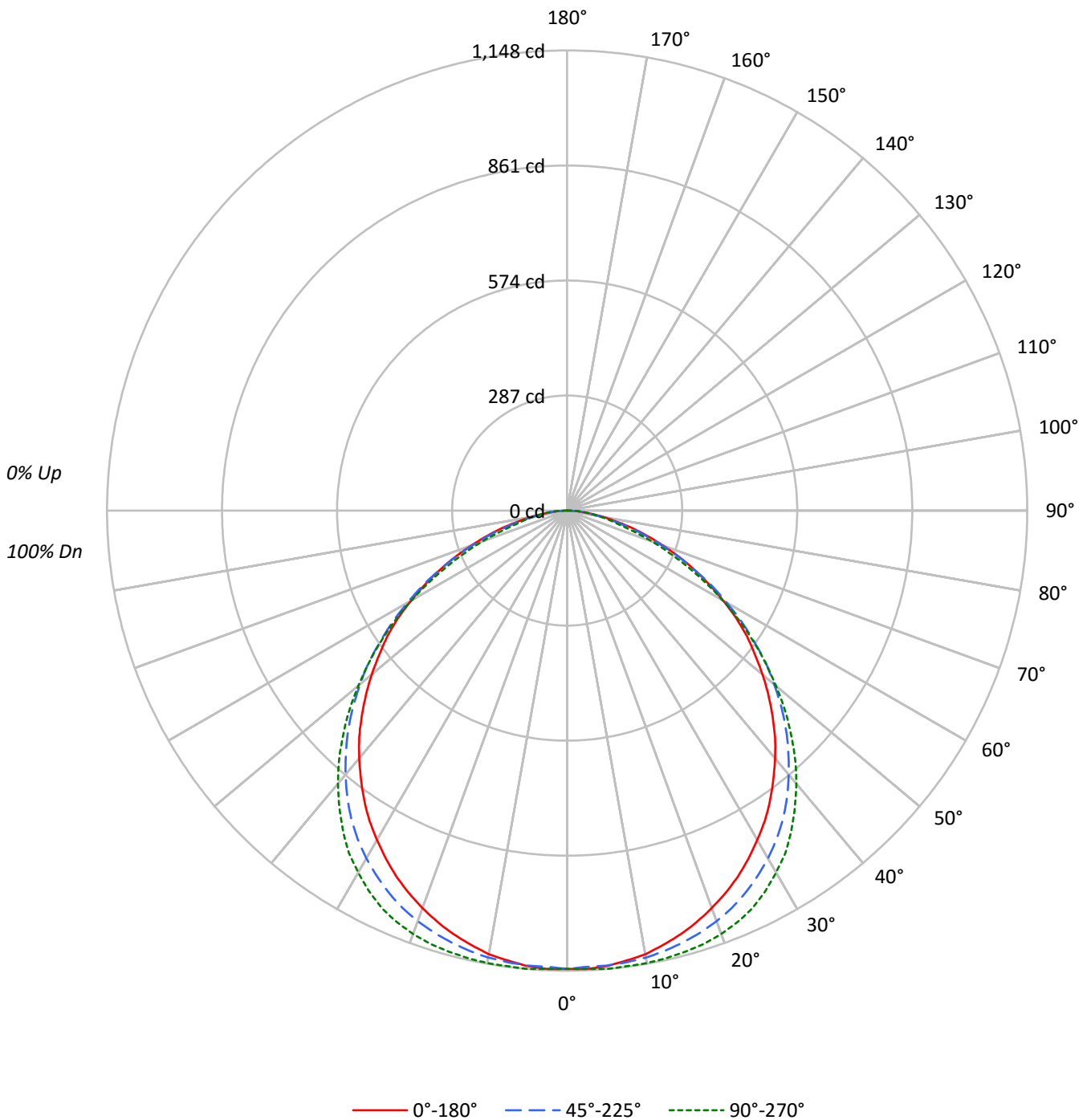
Input Watts (W): 39.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3077	3077	3077
5°	3081	3077	3100
10°	3071	3094	3132
15°	3049	3107	3174
20°	3021	3122	3218
25°	2991	3124	3249
30°	2948	3113	3239
35°	2900	3084	3204
40°	2835	3022	3126
45°	2757	2938	3008
50°	2663	2822	2845
55°	2571	2669	2656
60°	2421	2474	2413
65°	2230	2239	2115
70°	1995	1951	1775
75°	1733	1617	1369
80°	1390	1260	1260
85°	994	1167	1210



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.8	3.5
10°-20°	315.6	10.1
20°-30°	484.6	15.4
30°-40°	583.7	18.6
40°-50°	589.8	18.8
50°-60°	503.1	16.0
60°-70°	344.4	11.0
70°-80°	166.2	5.3
80°-90°	42.8	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°	909.0	29.0
0°-40°	1492.7	47.6
0°-60°	2585.6	82.4
0°-90°	3139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3139.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1143	1143	1143	1143	1143	
5°	1141	1141	1139	1146	1148	108
15°	1094	1103	1115	1135	1139	309
25°	1008	1023	1052	1083	1094	464
35°	883	902	939	968	975	552
45°	724	744	772	790	790	559
55°	548	558	569	572	566	488
65°	350	354	352	339	332	348
75°	167	167	156	137	132	177
85°	32	35	38	39	39	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1143.4	1143.4	1143.4	1143.4	1143.4
2.5°	1144.8	1143.4	1139.2	1144.8	1144.8
5°	1140.6	1140.6	1139.2	1146.2	1147.6
7.5°	1132.2	1135.0	1136.4	1144.8	1146.2
10°	1123.8	1126.6	1132.2	1143.4	1146.2
12.5°	1109.7	1115.3	1125.2	1140.6	1143.4
15°	1094.3	1102.7	1115.3	1135.0	1139.2
17.5°	1076.1	1087.3	1104.1	1126.6	1133.6
20°	1055.1	1067.7	1090.1	1115.3	1123.8
22.5°	1032.7	1046.7	1073.3	1102.7	1111.1
25°	1007.5	1022.9	1052.3	1083.1	1094.3
27.5°	979.4	996.2	1028.5	1060.7	1070.5
30°	948.6	966.8	1001.8	1034.1	1042.5
32.5°	917.8	936.0	972.4	1003.3	1013.1
35°	882.7	902.4	938.8	968.2	975.2
37.5°	844.9	864.5	901.0	930.4	933.2
40°	807.1	826.7	860.3	887.0	889.8
42.5°	767.9	786.1	816.9	839.3	842.1
45°	724.4	744.0	772.1	790.3	790.3
47.5°	681.0	700.6	724.4	737.0	737.0
50°	636.1	654.4	674.0	681.0	679.6
52.5°	591.3	608.1	624.9	626.3	623.5
55°	547.9	557.7	568.9	571.7	566.1
57.5°	500.2	508.6	515.6	511.4	507.2
60°	449.8	458.2	459.6	452.6	448.4
62.5°	400.7	407.7	407.7	396.5	389.5
65°	350.3	354.5	351.7	339.1	332.1
67.5°	302.7	305.5	299.9	287.2	276.0
70°	253.6	255.0	248.0	232.6	225.6
72.5°	208.8	210.2	201.8	183.6	175.1
75°	166.7	166.7	155.5	137.3	131.7
77.5°	124.7	128.9	116.3	106.5	106.5
80°	89.7	93.9	81.3	82.7	81.3
82.5°	58.8	63.1	58.8	58.8	58.8
85°	32.2	35.0	37.8	39.2	39.2
87.5°	9.8	16.8	18.2	19.6	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)