

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: P297952

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297952  
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-3000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2905.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 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

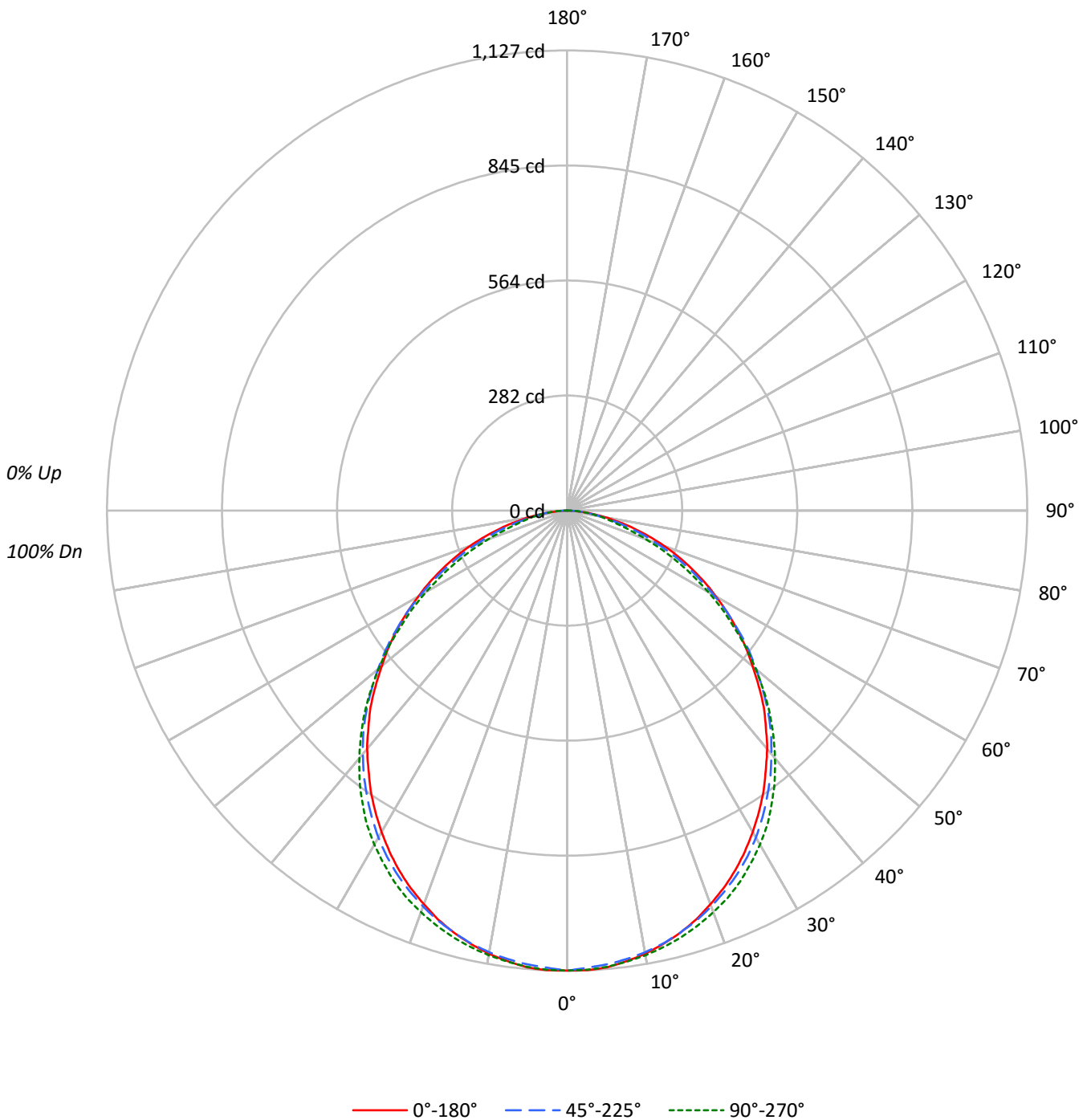
Input Watts (W): 33.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3032	3032	3032
5°	3034	3014	3030
10°	3011	3001	3022
15°	2981	2981	3012
20°	2938	2955	2997
25°	2888	2921	2976
30°	2824	2874	2935
35°	2755	2807	2872
40°	2677	2734	2781
45°	2592	2648	2671
50°	2480	2531	2521
55°	2386	2403	2340
60°	2266	2234	2147
65°	2141	2054	1913
70°	1986	1821	1618
75°	1766	1562	1332
80°	1469	1278	1240
85°	1065	1139	1139



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.3	3.7
10°-20°	302.9	10.4
20°-30°	454.0	15.6
30°-40°	534.9	18.4
40°-50°	533.5	18.4
50°-60°	453.8	15.6
60°-70°	316.7	10.9
70°-80°	161.0	5.5
80°-90°	42.0	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°	863.2	29.7
0°-40°	1398.1	48.1
0°-60°	2385.3	82.1
0°-90°	2905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2905.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1127	1127	1127	1127	1127	
5°	1123	1121	1116	1122	1122	106
15°	1070	1070	1070	1080	1081	302
25°	973	974	984	999	1002	448
35°	839	840	855	872	874	524
45°	681	683	696	701	702	524
55°	509	509	512	505	499	454
65°	336	331	323	305	300	333
75°	170	164	150	132	128	180
85°	34	36	37	37	37	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1126.7	1126.7	1126.7	1126.7	1126.7
2.5°	1126.7	1125.5	1120.6	1125.5	1125.5
5°	1123.1	1120.6	1115.7	1121.8	1121.8
7.5°	1113.2	1112.0	1108.3	1114.4	1114.4
10°	1102.1	1100.9	1098.4	1105.8	1105.8
12.5°	1087.3	1087.3	1086.1	1093.5	1094.7
15°	1070.1	1070.1	1070.1	1080.0	1081.2
17.5°	1050.4	1049.2	1052.9	1063.9	1065.2
20°	1025.8	1027.0	1031.9	1044.2	1046.7
22.5°	1001.1	1002.4	1008.5	1023.3	1027.0
25°	972.8	974.1	983.9	998.7	1002.4
27.5°	942.0	944.5	955.6	971.6	974.1
30°	908.8	911.3	924.8	940.8	944.5
32.5°	874.3	878.0	890.3	907.6	912.5
35°	838.6	839.8	854.6	871.8	874.3
37.5°	799.2	802.9	817.7	832.4	834.9
40°	762.2	764.7	778.3	790.6	791.8
42.5°	720.4	724.1	738.9	747.5	747.5
45°	681.0	683.4	695.8	700.7	701.9
47.5°	636.6	639.1	650.2	652.7	652.7
50°	592.3	598.5	604.6	604.6	602.2
52.5°	551.7	552.9	560.3	555.4	552.9
55°	508.6	508.6	512.3	504.9	498.7
57.5°	465.5	465.5	465.5	455.6	450.7
60°	421.1	419.9	415.0	402.7	399.0
62.5°	379.3	375.6	368.2	355.9	348.5
65°	336.2	331.3	322.6	305.4	300.5
67.5°	295.5	286.9	277.1	261.1	252.4
70°	252.4	245.1	231.5	213.0	205.6
72.5°	210.6	203.2	192.1	173.6	162.5
75°	169.9	163.8	150.2	131.8	128.1
77.5°	130.5	126.8	113.3	104.7	103.4
80°	94.8	93.6	82.5	80.0	80.0
82.5°	62.8	61.6	57.9	57.9	56.6
85°	34.5	35.7	36.9	36.9	36.9
87.5°	12.3	14.8	17.2	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)