

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: P297950

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297950  
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-31L92765-LD5-UNV-14-T1-W2A-6500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2961.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 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

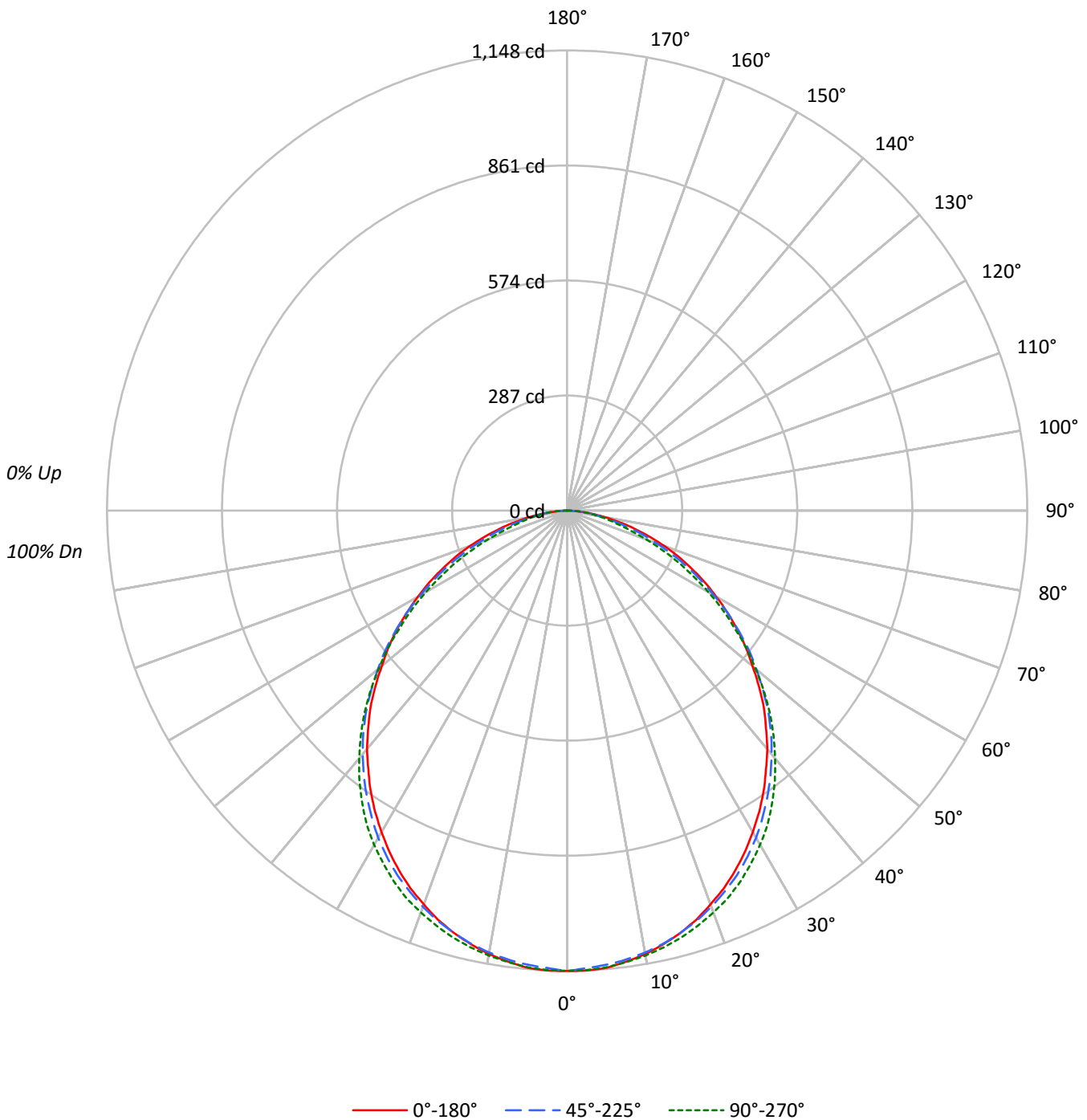
Input Watts (W): 29.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3091	3091	3091
5°	3092	3072	3089
10°	3070	3059	3080
15°	3039	3039	3070
20°	2994	3012	3055
25°	2944	2978	3034
30°	2878	2929	2991
35°	2808	2862	2928
40°	2729	2787	2835
45°	2641	2699	2723
50°	2527	2580	2570
55°	2432	2449	2385
60°	2310	2277	2189
65°	2182	2094	1950
70°	2024	1857	1649
75°	1801	1592	1357
80°	1497	1303	1265
85°	1084	1164	1164



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.4	3.7
10°-20°	308.7	10.4
20°-30°	462.7	15.6
30°-40°	545.2	18.4
40°-50°	543.7	18.4
50°-60°	462.5	15.6
60°-70°	322.8	10.9
70°-80°	164.1	5.5
80°-90°	42.9	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°	879.8	29.7
0°-40°	1425.0	48.1
0°-60°	2431.3	82.1
0°-90°	2961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2961.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1145	1142	1137	1143	1143	109
15°	1091	1091	1091	1101	1102	307
25°	992	993	1003	1018	1022	456
35°	855	856	871	889	891	534
45°	694	697	709	714	715	534
55°	518	518	522	515	508	463
65°	343	338	329	311	306	340
75°	173	167	153	134	130	184
85°	35	36	38	38	38	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1148.5	1148.5	1148.5	1148.5	1148.5
2.5°	1148.5	1147.2	1142.2	1147.2	1147.2
5°	1144.7	1142.2	1137.2	1143.4	1143.4
7.5°	1134.7	1133.4	1129.6	1135.9	1135.9
10°	1123.4	1122.1	1119.6	1127.1	1127.1
12.5°	1108.3	1108.3	1107.0	1114.6	1115.8
15°	1090.7	1090.7	1090.7	1100.8	1102.0
17.5°	1070.6	1069.4	1073.2	1084.5	1085.7
20°	1045.5	1046.8	1051.8	1064.4	1066.9
22.5°	1020.4	1021.7	1028.0	1043.0	1046.8
25°	991.6	992.8	1002.9	1017.9	1021.7
27.5°	960.2	962.7	974.0	990.3	992.8
30°	926.3	928.8	942.6	958.9	962.7
32.5°	891.2	894.9	907.5	925.1	930.1
35°	854.8	856.0	871.1	888.7	891.2
37.5°	814.6	818.4	833.4	848.5	851.0
40°	776.9	779.5	793.3	805.8	807.1
42.5°	734.3	738.0	753.1	761.9	761.9
45°	694.1	696.6	709.2	714.2	715.4
47.5°	648.9	651.4	662.7	665.2	665.2
50°	603.7	610.0	616.3	616.3	613.8
52.5°	562.3	563.6	571.1	566.1	563.6
55°	518.4	518.4	522.1	514.6	508.3
57.5°	474.4	474.4	474.4	464.4	459.4
60°	429.3	428.0	423.0	410.4	406.7
62.5°	386.6	382.8	375.3	362.7	355.2
65°	342.7	337.6	328.9	311.3	306.3
67.5°	301.2	292.5	282.4	266.1	257.3
70°	257.3	249.8	236.0	217.1	209.6
72.5°	214.6	207.1	195.8	177.0	165.7
75°	173.2	166.9	153.1	134.3	130.5
77.5°	133.0	129.3	115.5	106.7	105.4
80°	96.6	95.4	84.1	81.6	81.6
82.5°	64.0	62.8	59.0	59.0	57.7
85°	35.1	36.4	37.7	37.7	37.7
87.5°	12.6	15.1	17.6	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)