

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: P297945

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297945  
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-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2756.0 lumens  
Efficiency: N/A  
Efficacy: 96.4 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

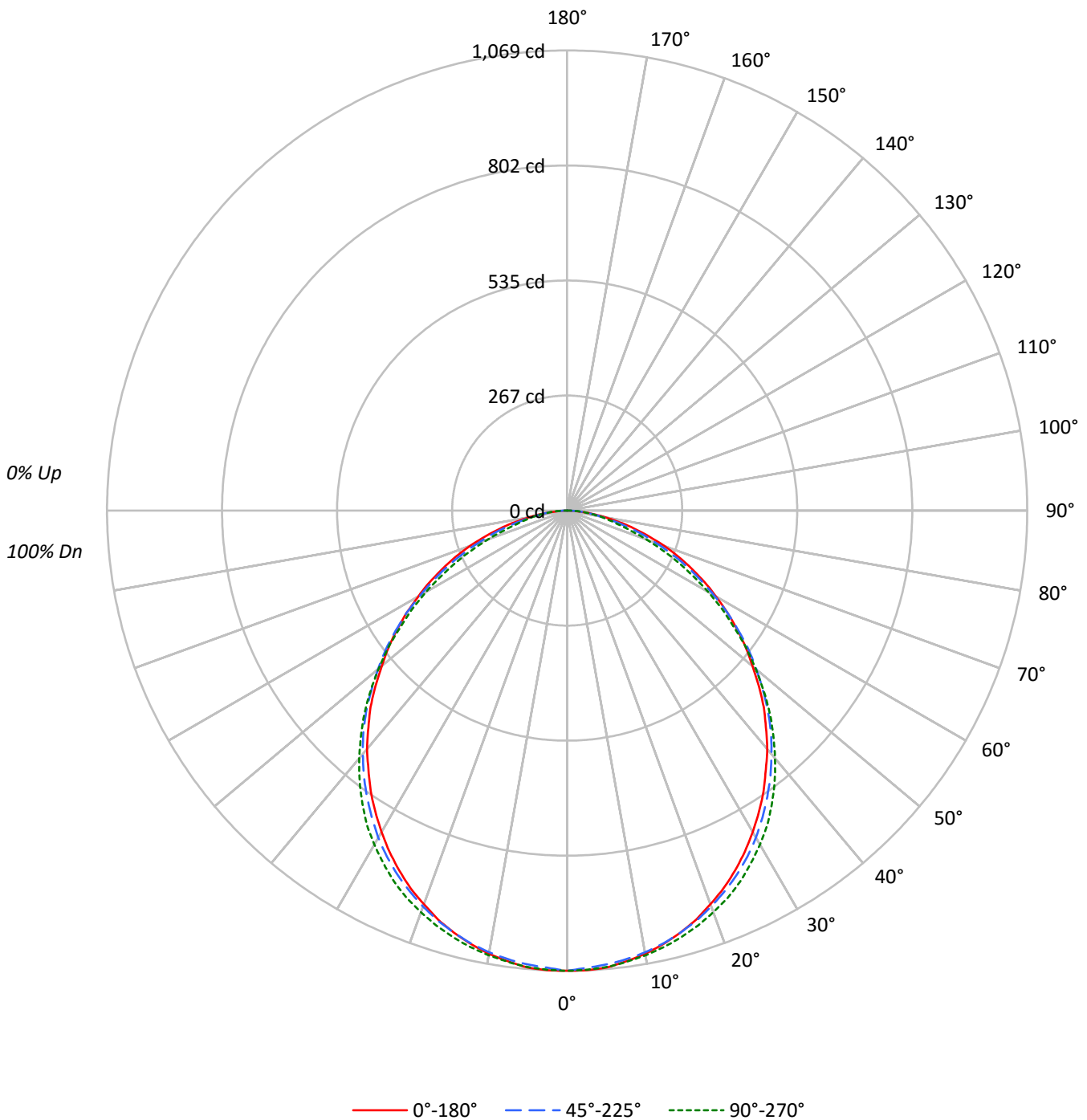
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	2877	2877	2877
5°	2878	2859	2875
10°	2857	2848	2867
15°	2828	2828	2858
20°	2787	2804	2844
25°	2740	2771	2824
30°	2679	2726	2784
35°	2614	2664	2725
40°	2540	2594	2639
45°	2458	2512	2534
50°	2352	2401	2392
55°	2264	2280	2220
60°	2150	2119	2037
65°	2031	1949	1815
70°	1884	1728	1535
75°	1676	1482	1263
80°	1395	1213	1176
85°	1010	1081	1081



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.9	3.7
10°-20°	287.4	10.4
20°-30°	430.7	15.6
30°-40°	507.4	18.4
40°-50°	506.1	18.4
50°-60°	430.5	15.6
60°-70°	300.4	10.9
70°-80°	152.7	5.5
80°-90°	39.9	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°	818.9	29.7
0°-40°	1326.4	48.1
0°-60°	2263.0	82.1
0°-90°	2756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2756.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1069	1069	1069	1069	1069	
5°	1066	1063	1058	1064	1064	101
15°	1015	1015	1015	1025	1026	286
25°	923	924	933	948	951	425
35°	796	797	811	827	830	497
45°	646	648	660	665	666	497
55°	482	482	486	479	473	431
65°	319	314	306	290	285	316
75°	161	155	142	125	122	171
85°	33	34	35	35	35	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1069.0	1069.0	1069.0	1069.0	1069.0
2.5°	1069.0	1067.8	1063.1	1067.8	1067.8
5°	1065.5	1063.1	1058.4	1064.3	1064.3
7.5°	1056.1	1054.9	1051.4	1057.3	1057.3
10°	1045.6	1044.4	1042.1	1049.1	1049.1
12.5°	1031.6	1031.6	1030.4	1037.4	1038.6
15°	1015.2	1015.2	1015.2	1024.6	1025.7
17.5°	996.5	995.4	998.9	1009.4	1010.5
20°	973.2	974.3	979.0	990.7	993.0
22.5°	949.8	951.0	956.8	970.8	974.3
25°	922.9	924.1	933.4	947.5	951.0
27.5°	893.7	896.1	906.6	921.8	924.1
30°	862.2	864.5	877.4	892.5	896.1
32.5°	829.5	833.0	844.7	861.0	865.7
35°	795.6	796.8	810.8	827.1	829.5
37.5°	758.2	761.7	775.7	789.7	792.1
40°	723.2	725.5	738.3	750.0	751.2
42.5°	683.4	686.9	701.0	709.1	709.1
45°	646.0	648.4	660.1	664.7	665.9
47.5°	604.0	606.3	616.8	619.2	619.2
50°	561.9	567.8	573.6	573.6	571.3
52.5°	523.4	524.5	531.6	526.9	524.5
55°	482.5	482.5	486.0	479.0	473.1
57.5°	441.6	441.6	441.6	432.3	427.6
60°	399.5	398.4	393.7	382.0	378.5
62.5°	359.8	356.3	349.3	337.6	330.6
65°	318.9	314.3	306.1	289.7	285.1
67.5°	280.4	272.2	262.9	247.7	239.5
70°	239.5	232.5	219.6	202.1	195.1
72.5°	199.8	192.8	182.2	164.7	154.2
75°	161.2	155.4	142.5	125.0	121.5
77.5°	123.8	120.3	107.5	99.3	98.1
80°	90.0	88.8	78.3	75.9	75.9
82.5°	59.6	58.4	54.9	54.9	53.7
85°	32.7	33.9	35.0	35.0	35.0
87.5°	11.7	14.0	16.4	16.4	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)