

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: P297863

Luminaire Tested: **D3X-WO-26L82765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297863  
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-26L82765-LD5-UNV-14-T1-W2A-2700K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2452.0 lumens  
Efficiency: N/A  
Efficacy: 103.0 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

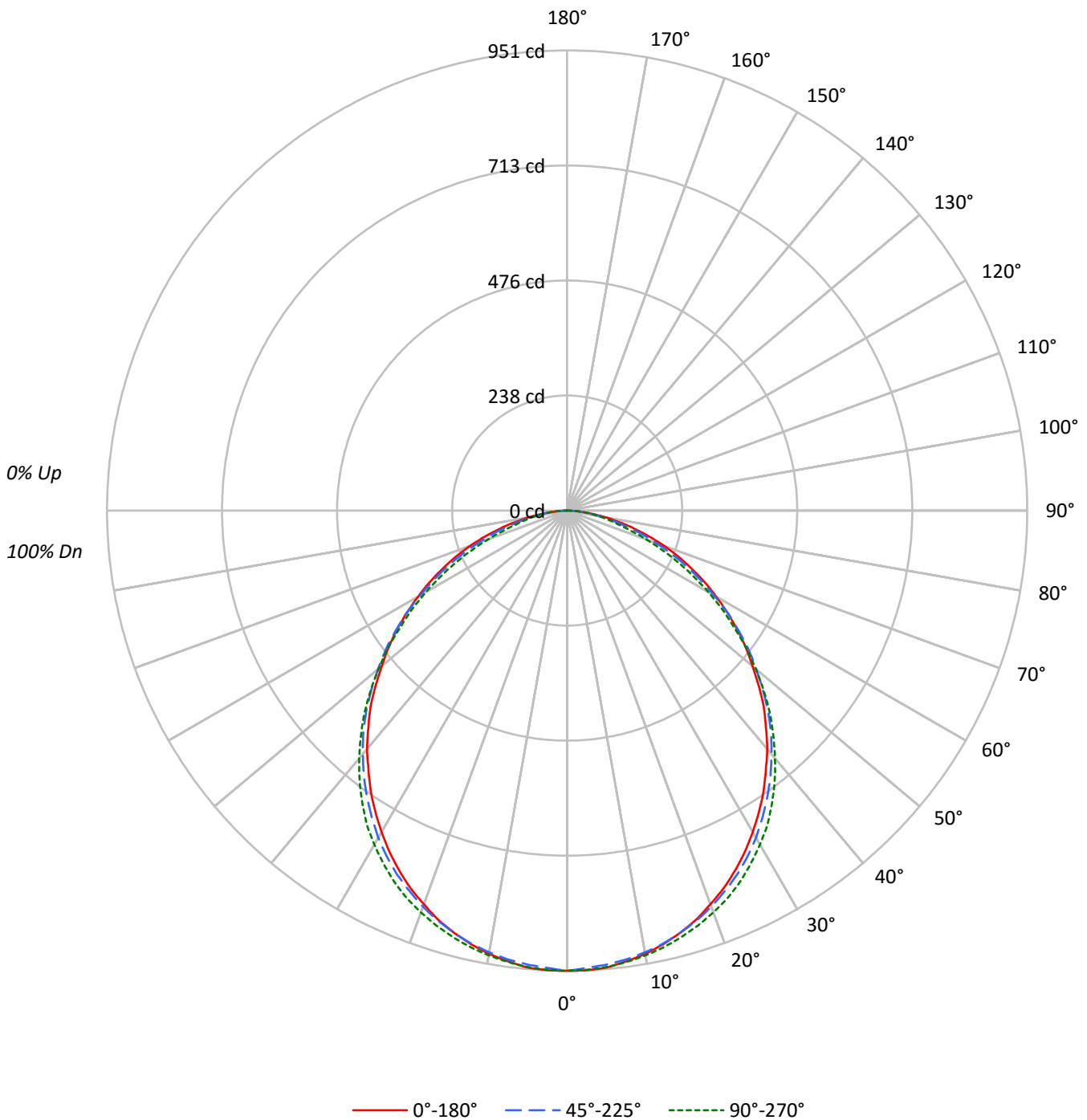
Input Watts (W): 23.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	30	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°	2559	2559	2559
5°	2561	2544	2558
10°	2542	2533	2551
15°	2516	2516	2542
20°	2479	2494	2530
25°	2438	2466	2512
30°	2384	2426	2477
35°	2325	2370	2424
40°	2260	2308	2348
45°	2187	2235	2255
50°	2093	2136	2128
55°	2014	2029	1975
60°	1913	1885	1813
65°	1807	1734	1615
70°	1677	1537	1366
75°	1491	1318	1124
80°	1240	1079	1048
85°	898	963	963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.8	3.7
10°-20°	255.7	10.4
20°-30°	383.2	15.6
30°-40°	451.5	18.4
40°-50°	450.3	18.4
50°-60°	383.0	15.6
60°-70°	267.3	10.9
70°-80°	135.9	5.5
80°-90°	35.5	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°	728.6	29.7
0°-40°	1180.1	48.1
0°-60°	2013.3	82.1
0°-90°	2452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2452.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	948	946	942	947	947	90
15°	903	903	903	912	913	255
25°	821	822	830	843	846	378
35°	708	709	721	736	738	442
45°	575	577	587	591	592	442
55°	429	429	432	426	421	384
65°	284	280	272	258	254	281
75°	143	138	127	111	108	152
85°	29	30	31	31	31	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	951.0	951.0	951.0	951.0	951.0
2.5°	951.0	950.0	945.8	950.0	950.0
5°	947.9	945.8	941.7	946.9	946.9
7.5°	939.6	938.6	935.5	940.7	940.7
10°	930.3	929.2	927.1	933.4	933.4
12.5°	917.8	917.8	916.7	923.0	924.0
15°	903.2	903.2	903.2	911.5	912.6
17.5°	886.6	885.6	888.7	898.0	899.1
20°	865.8	866.9	871.0	881.4	883.5
22.5°	845.0	846.1	851.3	863.7	866.9
25°	821.1	822.2	830.5	842.9	846.1
27.5°	795.1	797.2	806.6	820.1	822.2
30°	767.1	769.2	780.6	794.1	797.2
32.5°	738.0	741.1	751.5	766.0	770.2
35°	707.8	708.9	721.3	735.9	738.0
37.5°	674.6	677.7	690.2	702.6	704.7
40°	643.4	645.5	656.9	667.3	668.3
42.5°	608.0	611.2	623.6	630.9	630.9
45°	574.8	576.9	587.3	591.4	592.5
47.5°	537.4	539.4	548.8	550.9	550.9
50°	499.9	505.1	510.3	510.3	508.3
52.5°	465.6	466.7	472.9	468.8	466.7
55°	429.3	429.3	432.4	426.2	421.0
57.5°	392.9	392.9	392.9	384.6	380.4
60°	355.5	354.4	350.3	339.9	336.8
62.5°	320.1	317.0	310.8	300.4	294.1
65°	283.8	279.6	272.3	257.8	253.6
67.5°	249.5	242.2	233.9	220.4	213.1
70°	213.1	206.8	195.4	179.8	173.6
72.5°	177.7	171.5	162.1	146.6	137.2
75°	143.4	138.2	126.8	111.2	108.1
77.5°	110.2	107.1	95.6	88.3	87.3
80°	80.0	79.0	69.6	67.6	67.6
82.5°	53.0	52.0	48.9	48.9	47.8
85°	29.1	30.1	31.2	31.2	31.2
87.5°	10.4	12.5	14.6	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)