

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: P297729

Luminaire Tested: **D3X-WG-26L82765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297729  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-5500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2634.0 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

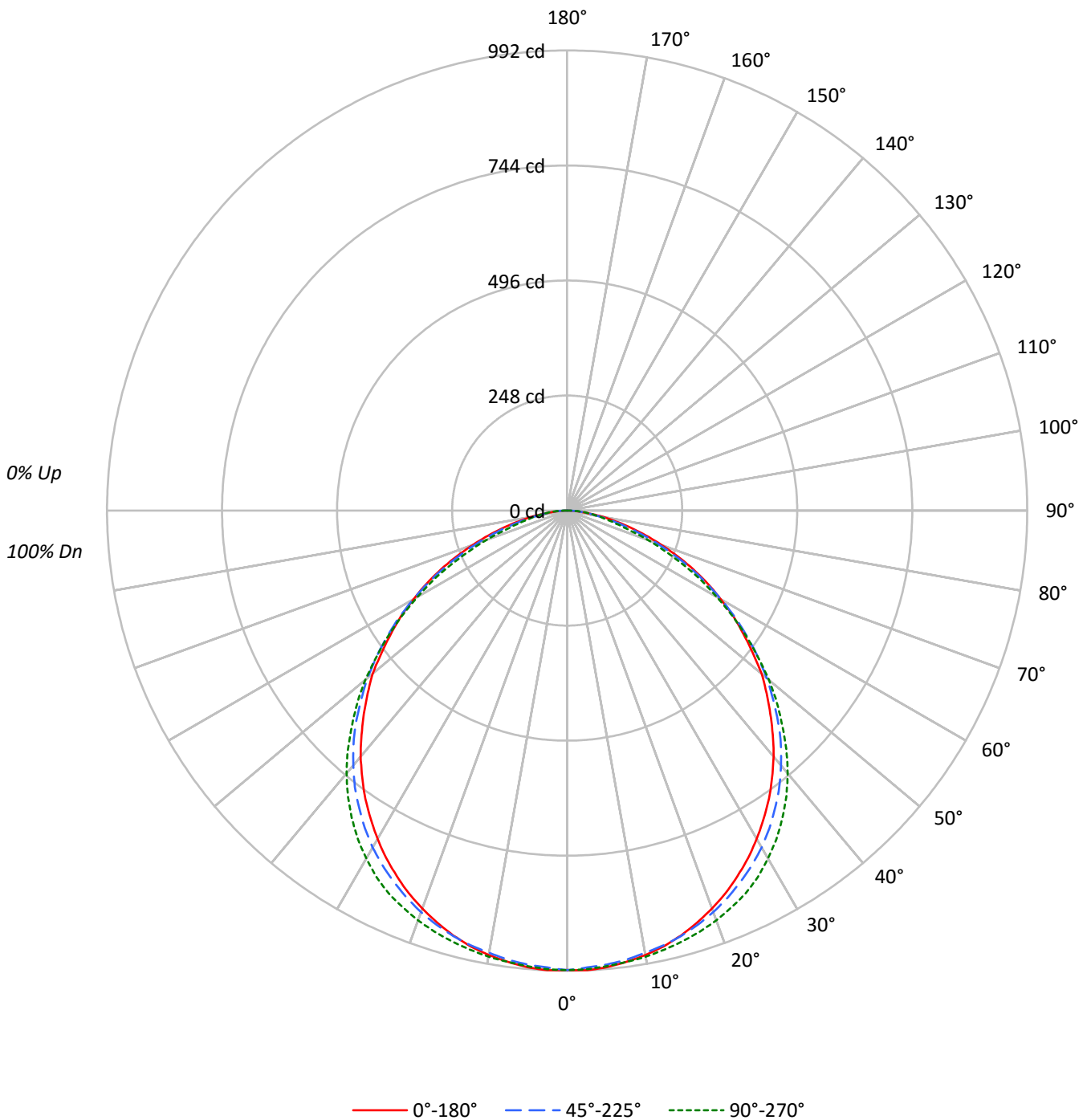
Input Watts (W): 24.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	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	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	2666	2666	2666
5°	2669	2654	2663
10°	2658	2646	2668
15°	2642	2645	2678
20°	2614	2638	2692
25°	2581	2623	2703
30°	2540	2606	2690
35°	2492	2569	2658
40°	2433	2520	2598
45°	2358	2447	2497
50°	2293	2352	2377
55°	2177	2221	2211
60°	2060	2060	2003
65°	1913	1868	1762
70°	1696	1622	1464
75°	1469	1335	1127
80°	1204	1040	1023
85°	800	945	1019



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.7	3.6
10°-20°	268.8	10.2
20°-30°	408.6	15.5
30°-40°	489.2	18.6
40°-50°	493.5	18.7
50°-60°	420.3	16.0
60°-70°	287.4	10.9
70°-80°	137.6	5.2
80°-90°	34.9	1.3
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°	771.1	29.3
0°-40°	1260.3	47.8
0°-60°	2174.1	82.5
0°-90°	2634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2634.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	988	987	982	987	986	94
15°	948	946	949	960	961	267
25°	869	870	883	903	910	400
35°	759	761	782	804	809	474
45°	620	624	643	656	656	478
55°	464	466	474	475	471	415
65°	300	294	293	283	277	296
75°	141	139	128	112	108	151
85°	26	28	31	32	33	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	990.6	990.6	990.6	990.6	990.6
2.5°	991.8	990.6	985.9	990.6	989.4
5°	988.2	987.1	982.4	987.1	985.9
7.5°	981.2	980.0	976.5	981.2	981.2
10°	972.9	970.6	968.2	975.3	976.5
12.5°	962.3	960.0	960.0	968.2	969.4
15°	948.2	945.8	949.4	960.0	961.2
17.5°	931.7	930.5	936.4	949.4	951.7
20°	912.9	911.7	921.1	936.4	939.9
22.5°	892.8	892.8	903.4	921.1	925.8
25°	869.3	870.5	883.4	903.4	910.5
27.5°	844.5	846.9	862.2	884.6	890.5
30°	817.4	821.0	838.7	859.9	865.7
32.5°	788.0	791.5	811.6	833.9	839.8
35°	758.6	760.9	782.1	804.5	809.2
37.5°	725.6	729.1	751.5	771.5	776.2
40°	692.6	696.1	717.3	736.2	739.7
42.5°	656.1	660.8	682.0	697.3	699.7
45°	619.6	624.3	643.1	656.1	656.1
47.5°	583.1	585.4	601.9	614.9	613.7
50°	547.7	546.5	561.8	567.7	567.7
52.5°	504.1	507.7	518.3	521.8	518.3
55°	464.1	466.4	473.5	474.7	471.2
57.5°	425.2	424.0	429.9	426.4	421.7
60°	382.8	382.8	382.8	379.3	372.2
62.5°	341.6	339.2	338.1	329.8	326.3
65°	300.4	294.5	293.3	282.7	276.8
67.5°	256.8	254.4	248.5	237.9	227.3
70°	215.6	213.2	206.1	193.2	186.1
72.5°	177.9	175.5	166.1	150.8	141.3
75°	141.3	139.0	128.4	111.9	108.4
77.5°	107.2	106.0	95.4	87.2	86.0
80°	77.7	76.6	67.1	67.1	66.0
82.5°	49.5	49.5	47.1	48.3	49.5
85°	25.9	28.3	30.6	31.8	33.0
87.5°	8.2	13.0	15.3	16.5	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)