

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: P297797

Luminaire Tested: **D3X-WG-26L92765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297797  
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-26L92765-LD5-UNV-14-T1-W2A-4500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2295.0 lumens  
Efficiency: N/A  
Efficacy: 94.4 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

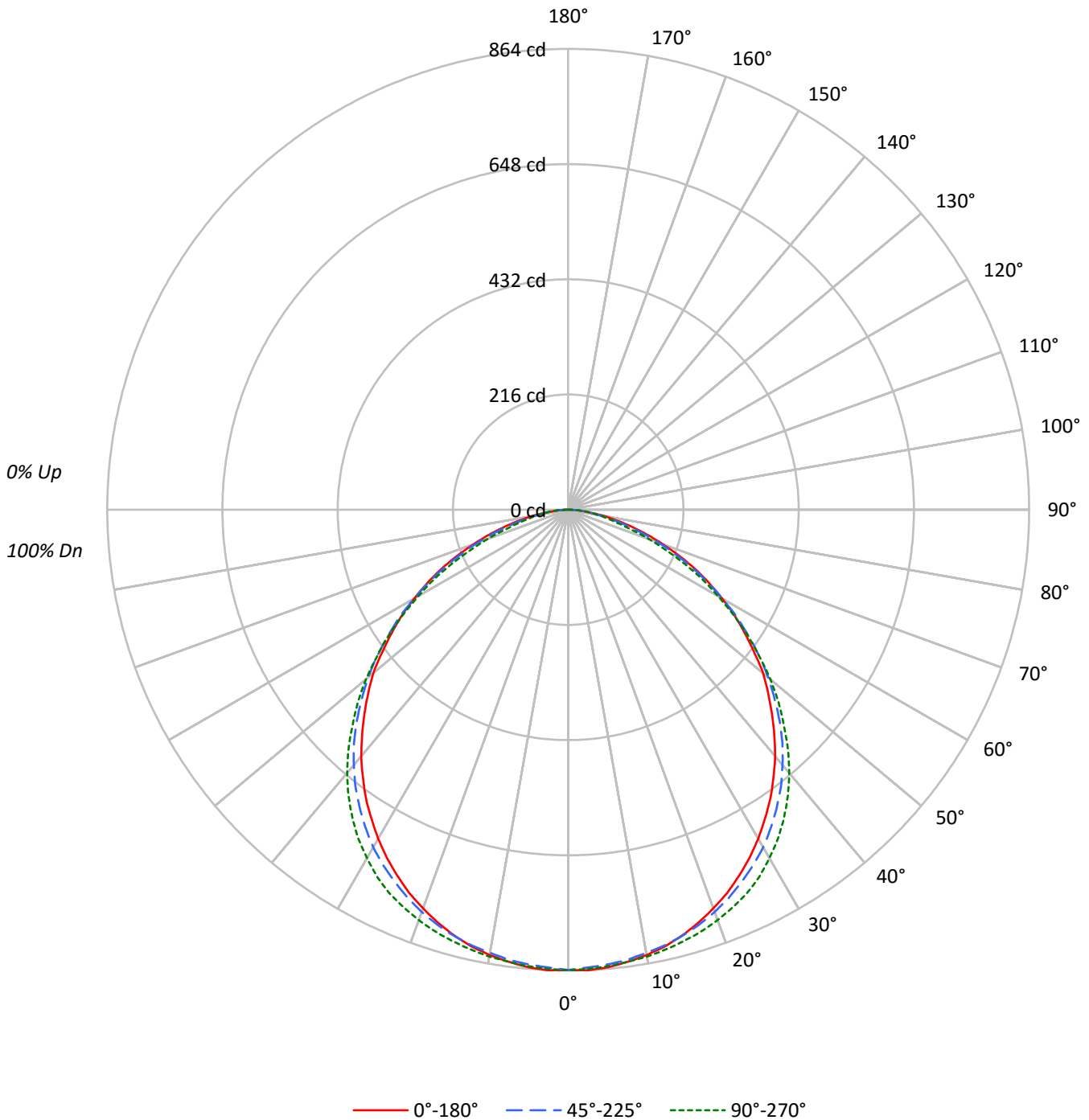
Input Watts (W): 24.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2323	2323	2323
5°	2326	2312	2320
10°	2316	2305	2325
15°	2302	2305	2333
20°	2278	2298	2345
25°	2249	2285	2355
30°	2213	2270	2344
35°	2171	2239	2316
40°	2120	2196	2264
45°	2054	2133	2175
50°	1998	2049	2071
55°	1897	1936	1926
60°	1795	1795	1745
65°	1666	1627	1536
70°	1478	1413	1276
75°	1281	1163	981
80°	1049	907	891
85°	698	824	886



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.6	3.6
10°-20°	234.2	10.2
20°-30°	356.0	15.5
30°-40°	426.3	18.6
40°-50°	430.0	18.7
50°-60°	366.2	16.0
60°-70°	250.4	10.9
70°-80°	119.9	5.2
80°-90°	30.4	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°	671.9	29.3
0°-40°	1098.1	47.8
0°-60°	1894.3	82.5
0°-90°	2295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2295.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	863	863	863	863	863	
5°	861	860	856	860	859	82
15°	826	824	827	836	837	233
25°	757	758	770	787	793	349
35°	661	663	682	701	705	413
45°	540	544	560	572	572	417
55°	404	406	413	414	410	362
65°	262	257	256	246	241	258
75°	123	121	112	98	94	132
85°	23	25	27	28	29	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	863.1	863.1	863.1	863.1	863.1
2.5°	864.1	863.1	859.0	863.1	862.1
5°	861.1	860.0	855.9	860.0	859.0
7.5°	854.9	853.9	850.8	854.9	854.9
10°	847.7	845.7	843.6	849.8	850.8
12.5°	838.5	836.4	836.4	843.6	844.6
15°	826.2	824.1	827.2	836.4	837.4
17.5°	811.8	810.8	815.9	827.2	829.2
20°	795.4	794.3	802.6	815.9	819.0
22.5°	777.9	777.9	787.2	802.6	806.7
25°	757.4	758.4	769.7	787.2	793.3
27.5°	735.8	737.9	751.2	770.7	775.9
30°	712.2	715.3	730.7	749.2	754.3
32.5°	686.6	689.7	707.1	726.6	731.7
35°	660.9	663.0	681.5	701.0	705.1
37.5°	632.2	635.3	654.8	672.2	676.3
40°	603.5	606.5	625.0	641.4	644.5
42.5°	571.6	575.7	594.2	607.6	609.6
45°	539.8	543.9	560.4	571.6	571.6
47.5°	508.0	510.1	524.4	535.7	534.7
50°	477.2	476.2	489.5	494.7	494.7
52.5°	439.3	442.3	451.6	454.6	451.6
55°	404.4	406.4	412.6	413.6	410.5
57.5°	370.5	369.5	374.6	371.5	367.4
60°	333.5	333.5	333.5	330.5	324.3
62.5°	297.6	295.6	294.5	287.4	284.3
65°	261.7	256.6	255.5	246.3	241.2
67.5°	223.7	221.7	216.5	207.3	198.1
70°	187.8	185.8	179.6	168.3	162.2
72.5°	155.0	152.9	144.7	131.4	123.2
75°	123.2	121.1	111.9	97.5	94.4
77.5°	93.4	92.4	83.1	75.9	74.9
80°	67.7	66.7	58.5	58.5	57.5
82.5°	43.1	43.1	41.1	42.1	43.1
85°	22.6	24.6	26.7	27.7	28.7
87.5°	7.2	11.3	13.3	14.4	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)