

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: P297811

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297811  
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-35L92765-LD5-UNV-14-T1-W2A-2700K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2648.0 lumens  
Efficiency: N/A  
Efficacy: 79.0 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

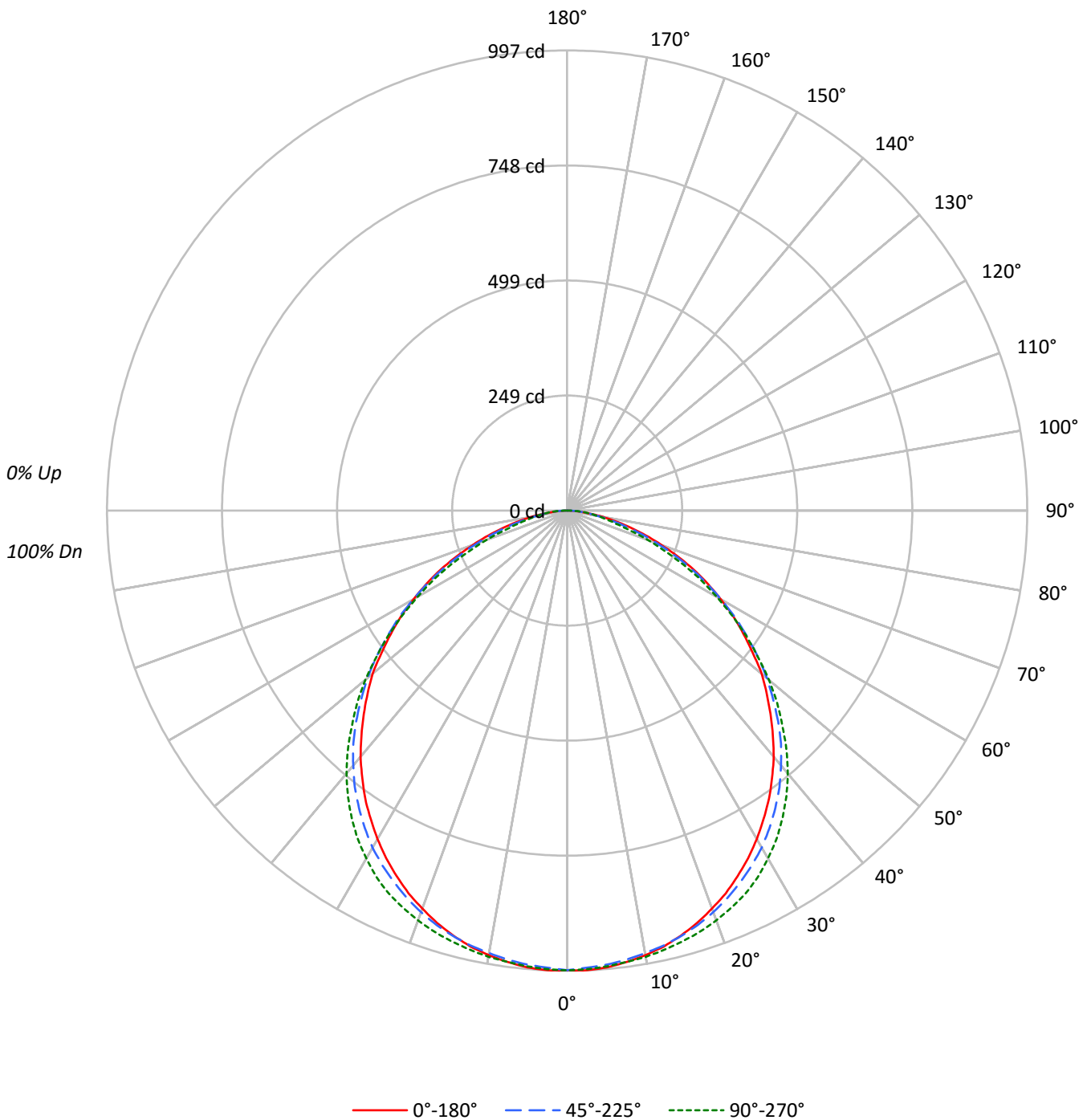
Input Watts (W): 33.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2680	2680	2680
5°	2684	2668	2677
10°	2673	2660	2682
15°	2656	2659	2692
20°	2628	2652	2706
25°	2595	2637	2718
30°	2554	2620	2704
35°	2505	2583	2672
40°	2446	2533	2612
45°	2371	2460	2510
50°	2305	2364	2390
55°	2189	2233	2222
60°	2071	2071	2014
65°	1923	1878	1772
70°	1705	1630	1472
75°	1477	1342	1132
80°	1212	1046	1027
85°	806	951	1025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.2	3.6
10°-20°	270.3	10.2
20°-30°	410.8	15.5
30°-40°	491.8	18.6
40°-50°	496.1	18.7
50°-60°	422.6	16.0
60°-70°	288.9	10.9
70°-80°	138.4	5.2
80°-90°	35.0	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°	775.2	29.3
0°-40°	1267.0	47.8
0°-60°	2185.7	82.5
0°-90°	2648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2648.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	994	992	988	992	991	94
15°	953	951	954	965	966	269
25°	874	875	888	908	915	403
35°	763	765	786	809	814	476
45°	623	628	646	660	660	481
55°	467	469	476	477	474	418
65°	302	296	295	284	278	298
75°	142	140	129	112	109	152
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°	995.9	995.9	995.9	995.9	995.9
2.5°	997.0	995.9	991.1	995.9	994.7
5°	993.5	992.3	987.6	992.3	991.1
7.5°	986.4	985.2	981.7	986.4	986.4
10°	978.1	975.7	973.4	980.5	981.7
12.5°	967.4	965.1	965.1	973.4	974.5
15°	953.2	950.9	954.4	965.1	966.3
17.5°	936.7	935.5	941.4	954.4	956.8
20°	917.7	916.5	926.0	941.4	944.9
22.5°	897.6	897.6	908.2	926.0	930.7
25°	873.9	875.1	888.1	908.2	915.3
27.5°	849.0	851.4	866.8	889.3	895.2
30°	821.8	825.3	843.1	864.4	870.3
32.5°	792.2	795.7	815.9	838.4	844.3
35°	762.6	765.0	786.3	808.8	813.5
37.5°	729.4	733.0	755.5	775.6	780.3
40°	696.3	699.8	721.1	740.1	743.6
42.5°	659.6	664.3	685.6	701.0	703.4
45°	622.9	627.6	646.5	659.6	659.6
47.5°	586.2	588.5	605.1	618.1	616.9
50°	550.6	549.4	564.8	570.8	570.8
52.5°	506.8	510.4	521.0	524.6	521.0
55°	466.6	468.9	476.0	477.2	473.7
57.5°	427.5	426.3	432.2	428.7	423.9
60°	384.8	384.8	384.8	381.3	374.2
62.5°	343.4	341.0	339.8	331.6	328.0
65°	302.0	296.0	294.9	284.2	278.3
67.5°	258.1	255.8	249.9	239.2	228.5
70°	216.7	214.3	207.2	194.2	187.1
72.5°	178.8	176.4	167.0	151.6	142.1
75°	142.1	139.7	129.1	112.5	108.9
77.5°	107.8	106.6	95.9	87.6	86.4
80°	78.2	77.0	67.5	67.5	66.3
82.5°	49.7	49.7	47.4	48.5	49.7
85°	26.1	28.4	30.8	32.0	33.2
87.5°	8.3	13.0	15.4	16.6	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)