

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: P297823

Luminaire Tested: **D3X-WG-40L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297823  
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-40L92765-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3396.0 lumens  
Efficiency: N/A  
Efficacy: 85.1 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

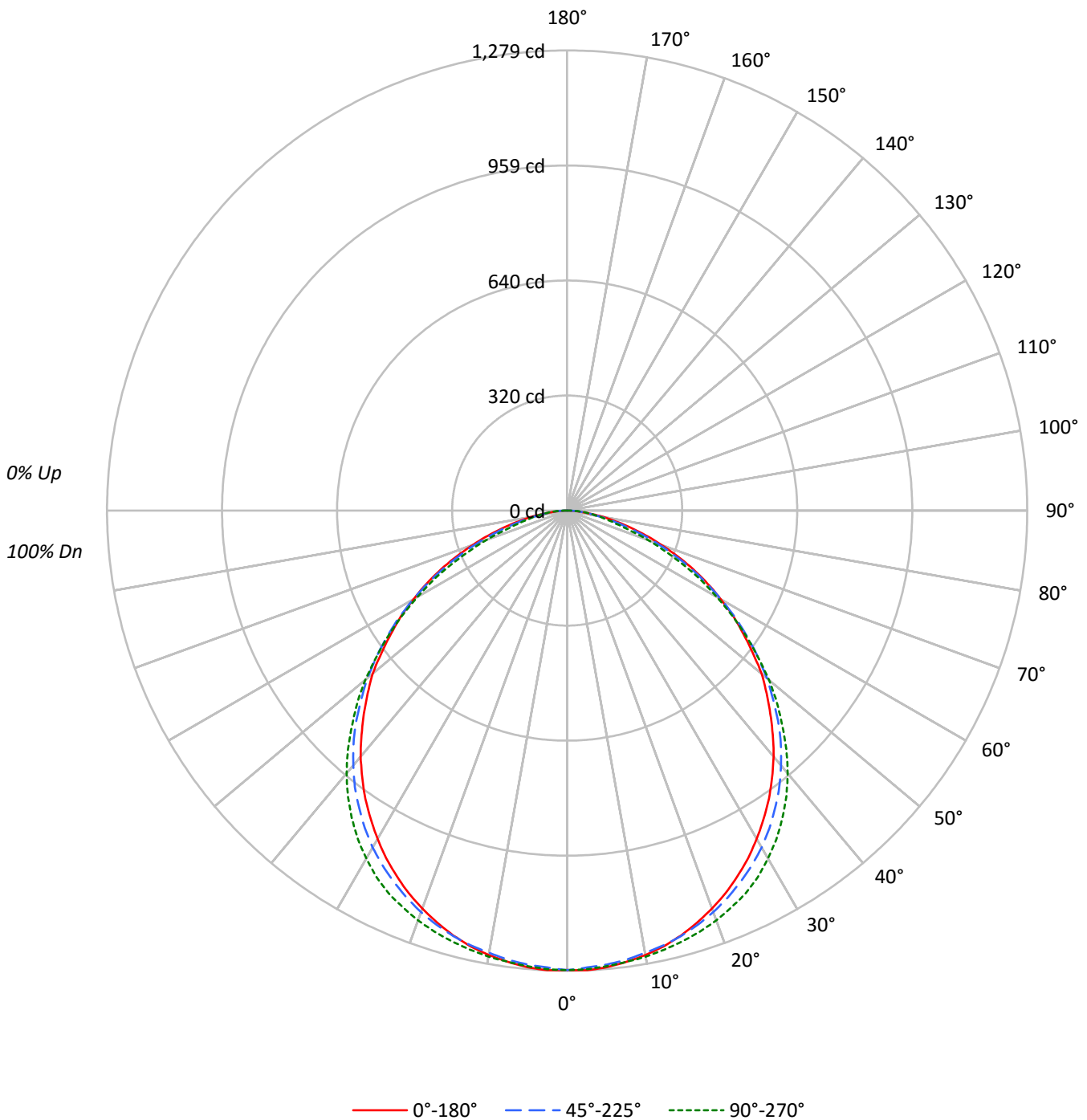
Input Watts (W): 39.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3437	3437	3437
5°	3442	3421	3434
10°	3428	3411	3440
15°	3406	3410	3452
20°	3370	3401	3470
25°	3328	3382	3486
30°	3275	3360	3468
35°	3213	3313	3427
40°	3137	3249	3350
45°	3040	3156	3219
50°	2956	3033	3064
55°	2807	2864	2850
60°	2657	2657	2583
65°	2466	2408	2273
70°	2186	2091	1888
75°	1894	1721	1452
80°	1553	1342	1317
85°	1031	1220	1312



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.8	3.6
10°-20°	346.6	10.2
20°-30°	526.8	15.5
30°-40°	630.7	18.6
40°-50°	636.2	18.7
50°-60°	541.9	16.0
60°-70°	370.6	10.9
70°-80°	177.4	5.2
80°-90°	44.9	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°	994.2	29.3
0°-40°	1624.9	47.8
0°-60°	2803.1	82.5
0°-90°	3396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3396.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1277	1277	1277	1277	1277	
5°	1274	1273	1266	1273	1271	121
15°	1222	1220	1224	1238	1239	345
25°	1121	1122	1139	1165	1174	516
35°	978	981	1008	1037	1043	611
45°	799	805	829	846	846	617
55°	598	601	610	612	608	536
65°	387	380	378	364	357	382
75°	182	179	166	144	140	195
85°	33	36	40	41	42	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1277.2	1277.2	1277.2	1277.2	1277.2
2.5°	1278.7	1277.2	1271.1	1277.2	1275.7
5°	1274.1	1272.6	1266.5	1272.6	1271.1
7.5°	1265.0	1263.5	1258.9	1265.0	1265.0
10°	1254.4	1251.4	1248.3	1257.4	1258.9
12.5°	1240.7	1237.7	1237.7	1248.3	1249.8
15°	1222.5	1219.5	1224.0	1237.7	1239.2
17.5°	1201.2	1199.7	1207.3	1224.0	1227.1
20°	1176.9	1175.4	1187.6	1207.3	1211.9
22.5°	1151.1	1151.1	1164.8	1187.6	1193.6
25°	1120.8	1122.3	1139.0	1164.8	1173.9
27.5°	1088.9	1091.9	1111.6	1140.5	1148.1
30°	1053.9	1058.5	1081.3	1108.6	1116.2
32.5°	1016.0	1020.5	1046.3	1075.2	1082.8
35°	978.0	981.0	1008.4	1037.2	1043.3
37.5°	935.5	940.0	968.9	994.7	1000.8
40°	893.0	897.5	924.8	949.1	953.7
42.5°	845.9	852.0	879.3	899.0	902.1
45°	798.8	804.9	829.2	845.9	845.9
47.5°	751.7	754.8	776.0	792.7	791.2
50°	706.2	704.6	724.4	732.0	732.0
52.5°	650.0	654.5	668.2	672.8	668.2
55°	598.3	601.4	610.5	612.0	607.5
57.5°	548.2	546.7	554.3	549.7	543.7
60°	493.6	493.6	493.6	489.0	479.9
62.5°	440.4	437.4	435.8	425.2	420.7
65°	387.3	379.7	378.1	364.5	356.9
67.5°	331.1	328.0	320.4	306.8	293.1
70°	277.9	274.9	265.8	249.1	239.9
72.5°	229.3	226.3	214.1	194.4	182.2
75°	182.2	179.2	165.5	144.3	139.7
77.5°	138.2	136.7	123.0	112.4	110.9
80°	100.2	98.7	86.6	86.6	85.0
82.5°	63.8	63.8	60.7	62.3	63.8
85°	33.4	36.4	39.5	41.0	42.5
87.5°	10.6	16.7	19.7	21.3	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)