

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: P298289

Luminaire Tested: **D3X-WG-40L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
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-22-T1-W2A-3500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3214.0 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

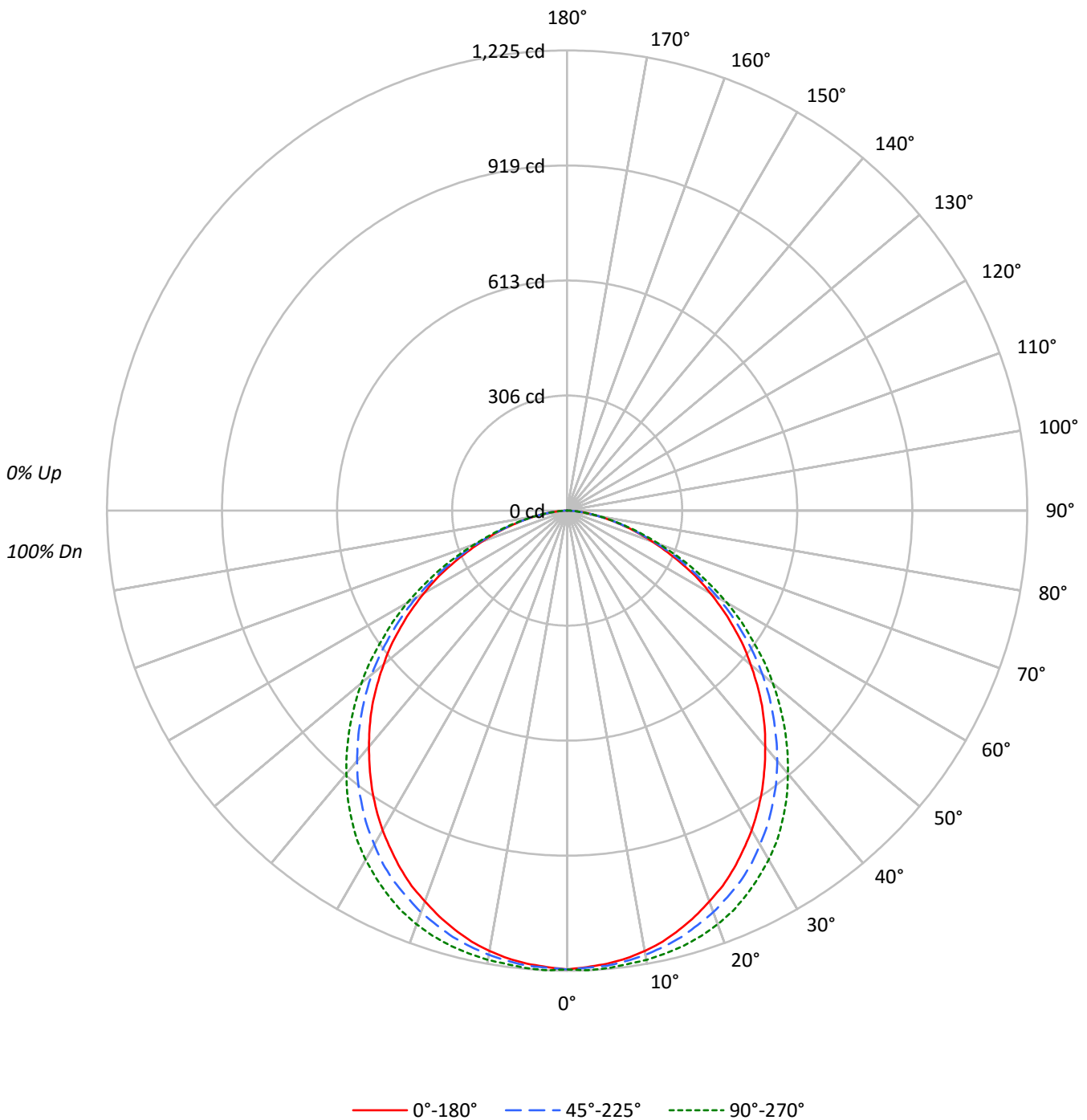
Input Watts (W): 32.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77		83	79	76		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	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49		59	53	48		58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	3287	3287	3287
5°	3272	3286	3304
10°	3254	3281	3319
15°	3217	3274	3341
20°	3170	3258	3356
25°	3120	3236	3353
30°	3053	3191	3334
35°	2976	3133	3289
40°	2882	3056	3212
45°	2791	2954	3116
50°	2671	2842	2992
55°	2537	2681	2825
60°	2369	2497	2644
65°	2162	2259	2390
70°	1892	1973	2054
75°	1614	1649	1721
80°	1296	1322	1348
85°	948	895	843



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.6	3.6
10°-20°	331.8	10.3
20°-30°	501.6	15.6
30°-40°	595.8	18.5
40°-50°	598.2	18.6
50°-60°	510.9	15.9
60°-70°	352.0	11.0
70°-80°	170.7	5.3
80°-90°	37.3	1.2
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°	949.0	29.5
0°-40°	1544.8	48.1
0°-60°	2653.9	82.6
0°-90°	3214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3214.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1221	1221	1221	1221	1221	
5°	1211	1211	1216	1220	1223	115
15°	1155	1160	1175	1191	1199	326
25°	1051	1059	1090	1119	1129	484
35°	906	920	954	989	1001	566
45°	734	744	776	809	819	565
55°	541	549	572	595	602	483
65°	340	340	355	370	375	336
75°	155	152	159	162	166	167
85°	31	31	29	27	27	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1221.4	1221.4	1221.4	1221.4	1221.4
2.5°	1216.3	1216.3	1218.0	1223.1	1224.8
5°	1211.2	1211.2	1216.3	1219.7	1223.1
7.5°	1202.6	1204.3	1209.5	1216.3	1218.0
10°	1190.7	1192.4	1200.9	1209.5	1214.6
12.5°	1175.3	1178.7	1189.0	1202.6	1207.7
15°	1154.9	1160.0	1175.3	1190.7	1199.2
17.5°	1132.7	1139.5	1156.6	1178.7	1187.3
20°	1107.1	1115.6	1137.8	1161.7	1171.9
22.5°	1081.5	1088.3	1113.9	1141.2	1153.2
25°	1050.8	1059.3	1090.0	1119.0	1129.3
27.5°	1016.7	1028.6	1061.0	1091.7	1102.0
30°	982.6	992.8	1026.9	1061.0	1073.0
32.5°	945.0	955.3	992.8	1026.9	1040.6
35°	905.8	919.5	953.6	989.4	1001.3
37.5°	863.2	878.5	914.3	945.0	960.4
40°	820.5	834.2	870.0	902.4	914.3
42.5°	777.9	789.8	823.9	858.0	868.3
45°	733.5	743.8	776.2	808.6	818.8
47.5°	685.8	697.7	728.4	755.7	767.6
50°	638.0	649.9	678.9	704.5	714.8
52.5°	591.9	598.8	626.0	649.9	661.9
55°	540.8	549.3	571.5	595.3	602.2
57.5°	491.3	496.4	518.6	539.1	549.3
60°	440.1	443.5	464.0	479.3	491.3
62.5°	392.3	392.3	407.7	424.8	431.6
65°	339.5	339.5	354.8	370.2	375.3
67.5°	288.3	291.7	301.9	313.9	317.3
70°	240.5	240.5	250.8	259.3	261.0
72.5°	197.9	196.2	201.3	208.1	211.5
75°	155.2	151.8	158.6	162.1	165.5
77.5°	117.7	116.0	119.4	122.8	122.8
80°	83.6	81.9	85.3	85.3	87.0
82.5°	54.6	56.3	56.3	54.6	52.9
85°	30.7	30.7	29.0	27.3	27.3
87.5°	10.2	10.2	10.2	11.9	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)