

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: P297824

Luminaire Tested: **D3X-WG-40L92765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297824  
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-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: 3484.0 lumens  
Efficiency: N/A  
Efficacy: 86.7 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

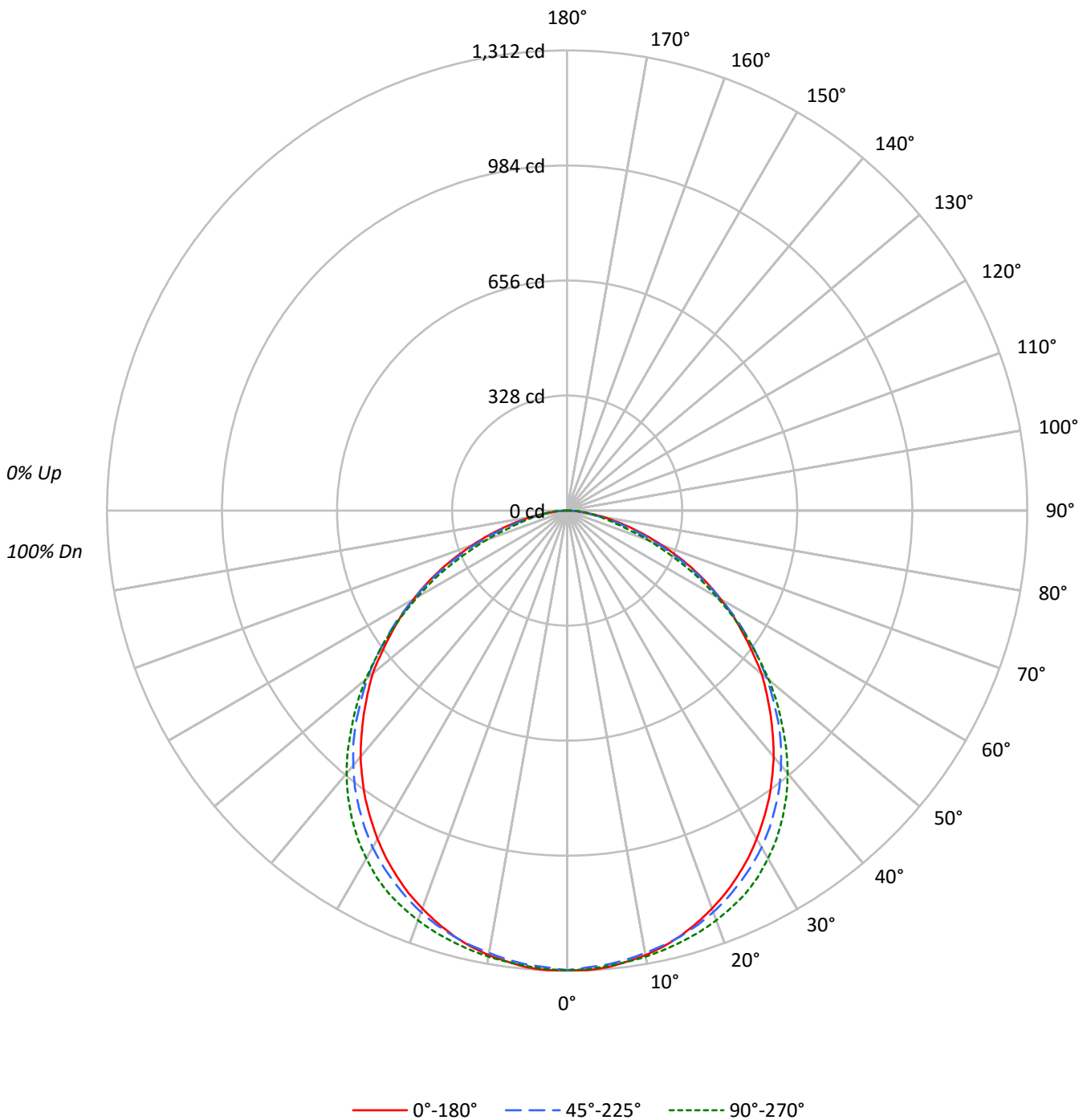
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3526	3526	3526
5°	3531	3510	3522
10°	3516	3500	3529
15°	3494	3498	3542
20°	3458	3489	3560
25°	3414	3469	3576
30°	3360	3447	3558
35°	3296	3398	3516
40°	3218	3333	3437
45°	3119	3237	3303
50°	3033	3111	3144
55°	2880	2938	2924
60°	2725	2725	2650
65°	2530	2470	2331
70°	2243	2145	1937
75°	1944	1765	1490
80°	1593	1376	1351
85°	1059	1250	1346



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.9	3.6
10°-20°	355.6	10.2
20°-30°	540.5	15.5
30°-40°	647.1	18.6
40°-50°	652.7	18.7
50°-60°	556.0	16.0
60°-70°	380.1	10.9
70°-80°	182.0	5.2
80°-90°	46.1	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°	1020.0	29.3
0°-40°	1667.0	47.8
0°-60°	2875.7	82.5
0°-90°	3484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3484.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1307	1306	1299	1306	1304	124
15°	1254	1251	1256	1270	1271	354
25°	1150	1151	1168	1195	1204	530
35°	1003	1006	1034	1064	1070	627
45°	820	826	851	868	868	633
55°	614	617	626	628	623	550
65°	397	390	388	374	366	392
75°	187	184	170	148	143	200
85°	34	37	40	42	44	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1310.3	1310.3	1310.3	1310.3	1310.3
2.5°	1311.8	1310.3	1304.0	1310.3	1308.7
5°	1307.2	1305.6	1299.4	1305.6	1304.0
7.5°	1297.8	1296.2	1291.6	1297.8	1297.8
10°	1286.9	1283.8	1280.7	1290.0	1291.6
12.5°	1272.9	1269.8	1269.8	1280.7	1282.2
15°	1254.2	1251.1	1255.7	1269.8	1271.3
17.5°	1232.4	1230.8	1238.6	1255.7	1258.9
20°	1207.4	1205.9	1218.3	1238.6	1243.3
22.5°	1181.0	1181.0	1195.0	1218.3	1224.6
25°	1149.8	1151.4	1168.5	1195.0	1204.3
27.5°	1117.1	1120.2	1140.4	1170.0	1177.8
30°	1081.2	1085.9	1109.3	1137.3	1145.1
32.5°	1042.3	1047.0	1073.5	1103.1	1110.8
35°	1003.3	1006.5	1034.5	1064.1	1070.3
37.5°	959.7	964.4	994.0	1020.5	1026.7
40°	916.1	920.8	948.8	973.7	978.4
42.5°	867.8	874.0	902.1	922.3	925.4
45°	819.5	825.7	850.7	867.8	867.8
47.5°	771.2	774.3	796.1	813.3	811.7
50°	724.5	722.9	743.2	750.9	750.9
52.5°	666.8	671.5	685.5	690.2	685.5
55°	613.8	617.0	626.3	627.9	623.2
57.5°	562.4	560.9	568.7	564.0	557.8
60°	506.3	506.3	506.3	501.7	492.3
62.5°	451.8	448.7	447.1	436.2	431.6
65°	397.3	389.5	387.9	373.9	366.1
67.5°	339.6	336.5	328.7	314.7	300.7
70°	285.1	282.0	272.6	255.5	246.2
72.5°	235.3	232.1	219.7	199.4	187.0
75°	187.0	183.8	169.8	148.0	143.3
77.5°	141.8	140.2	126.2	115.3	113.7
80°	102.8	101.3	88.8	88.8	87.2
82.5°	65.4	65.4	62.3	63.9	65.4
85°	34.3	37.4	40.5	42.1	43.6
87.5°	10.9	17.1	20.3	21.8	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)