

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: P298292

Luminaire Tested: **D3X-WG-40L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298292  
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-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3473.0 lumens  
Efficiency: N/A  
Efficacy: 105.9 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

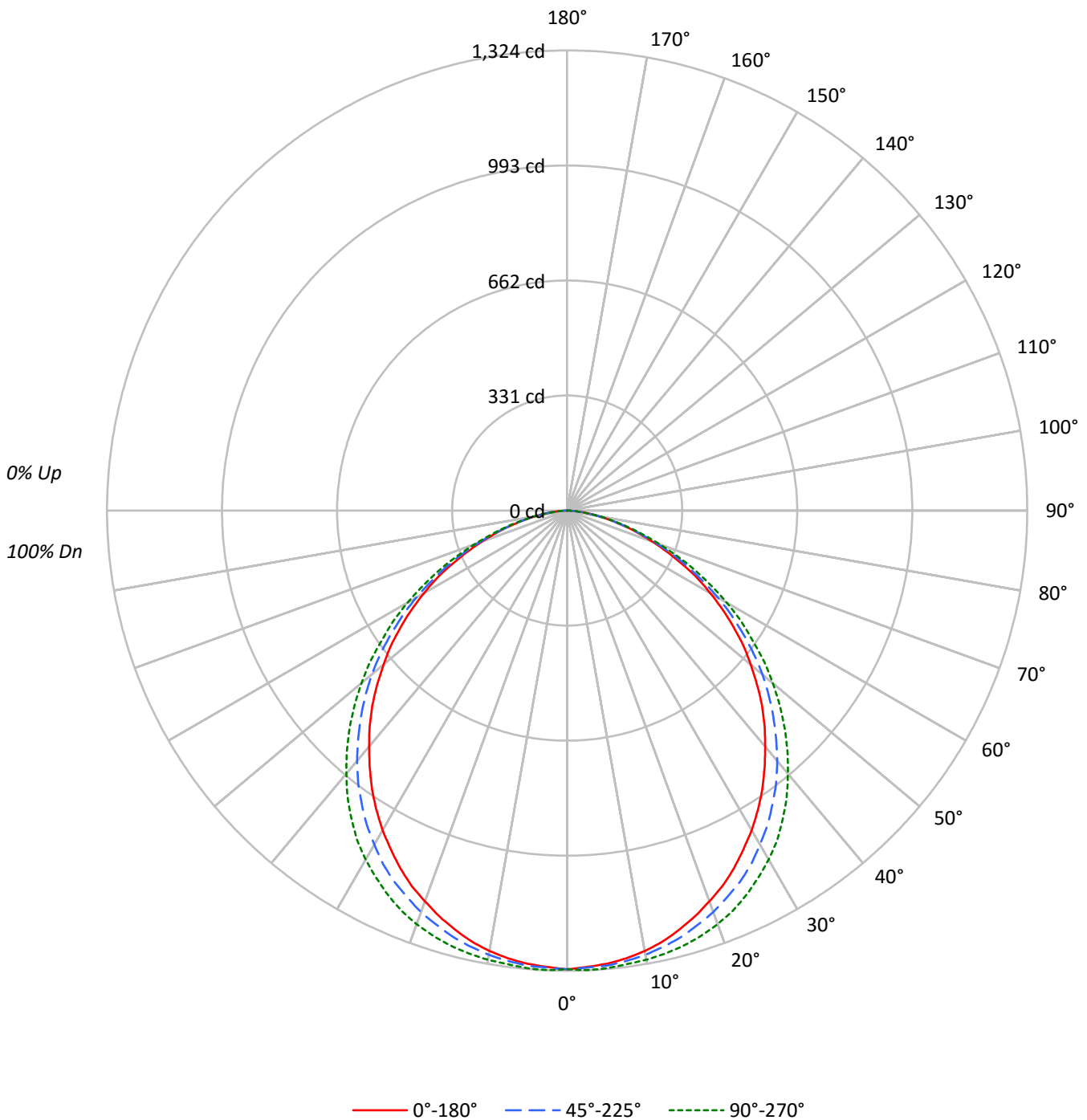
Input Watts (W): 32.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28					28			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	3552	3552	3552
5°	3535	3550	3570
10°	3516	3546	3586
15°	3477	3538	3610
20°	3426	3521	3627
25°	3371	3497	3623
30°	3299	3448	3603
35°	3215	3385	3554
40°	3114	3302	3471
45°	3016	3192	3367
50°	2886	3071	3234
55°	2741	2897	3053
60°	2560	2699	2857
65°	2336	2441	2582
70°	2045	2132	2219
75°	1744	1782	1859
80°	1399	1429	1457
85°	1025	966	911



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.9	3.6
10°-20°	358.5	10.3
20°-30°	542.0	15.6
30°-40°	643.8	18.5
40°-50°	646.4	18.6
50°-60°	552.1	15.9
60°-70°	380.4	11.0
70°-80°	184.4	5.3
80°-90°	40.4	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°	1025.5	29.5
0°-40°	1669.3	48.1
0°-60°	2867.8	82.6
0°-90°	3473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3473.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1309	1309	1314	1318	1322	124
15°	1248	1254	1270	1287	1296	352
25°	1136	1145	1178	1209	1220	523
35°	979	994	1030	1069	1082	611
45°	793	804	839	874	885	610
55°	584	594	618	643	651	522
65°	367	367	383	400	406	363
75°	168	164	171	175	179	180
85°	33	33	31	30	30	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1319.8	1319.8	1319.8	1319.8	1319.8
2.5°	1314.3	1314.3	1316.1	1321.7	1323.5
5°	1308.8	1308.8	1314.3	1318.0	1321.7
7.5°	1299.5	1301.4	1306.9	1314.3	1316.1
10°	1286.6	1288.5	1297.7	1306.9	1312.4
12.5°	1270.0	1273.7	1284.8	1299.5	1305.1
15°	1247.9	1253.5	1270.0	1286.6	1295.9
17.5°	1224.0	1231.3	1249.8	1273.7	1283.0
20°	1196.3	1205.5	1229.5	1255.3	1266.4
22.5°	1168.7	1176.0	1203.7	1233.2	1246.1
25°	1135.5	1144.7	1177.9	1209.2	1220.3
27.5°	1098.6	1111.5	1146.5	1179.7	1190.8
30°	1061.8	1072.8	1109.7	1146.5	1159.5
32.5°	1021.2	1032.3	1072.8	1109.7	1124.4
35°	978.8	993.6	1030.4	1069.1	1082.0
37.5°	932.7	949.3	988.0	1021.2	1037.8
40°	886.6	901.4	940.1	975.1	988.0
42.5°	840.6	853.5	890.3	927.2	938.3
45°	792.6	803.7	838.7	873.7	884.8
47.5°	741.0	753.9	787.1	816.6	829.5
50°	689.4	702.3	733.6	761.3	772.4
52.5°	639.6	647.0	676.5	702.3	715.2
55°	584.3	593.6	617.5	643.3	650.7
57.5°	530.9	536.4	560.4	582.5	593.6
60°	475.6	479.3	501.4	518.0	530.9
62.5°	424.0	424.0	440.6	459.0	466.4
65°	366.8	366.8	383.4	400.0	405.5
67.5°	311.5	315.2	326.3	339.2	342.9
70°	259.9	259.9	271.0	280.2	282.0
72.5°	213.8	212.0	217.5	224.9	228.6
75°	167.7	164.1	171.4	175.1	178.8
77.5°	127.2	125.3	129.0	132.7	132.7
80°	90.3	88.5	92.2	92.2	94.0
82.5°	59.0	60.8	60.8	59.0	57.1
85°	33.2	33.2	31.3	29.5	29.5
87.5°	11.1	11.1	11.1	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)