

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: P298111

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-35L92765-LD5-UNV-22-T1-W2A-3000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2669.0 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

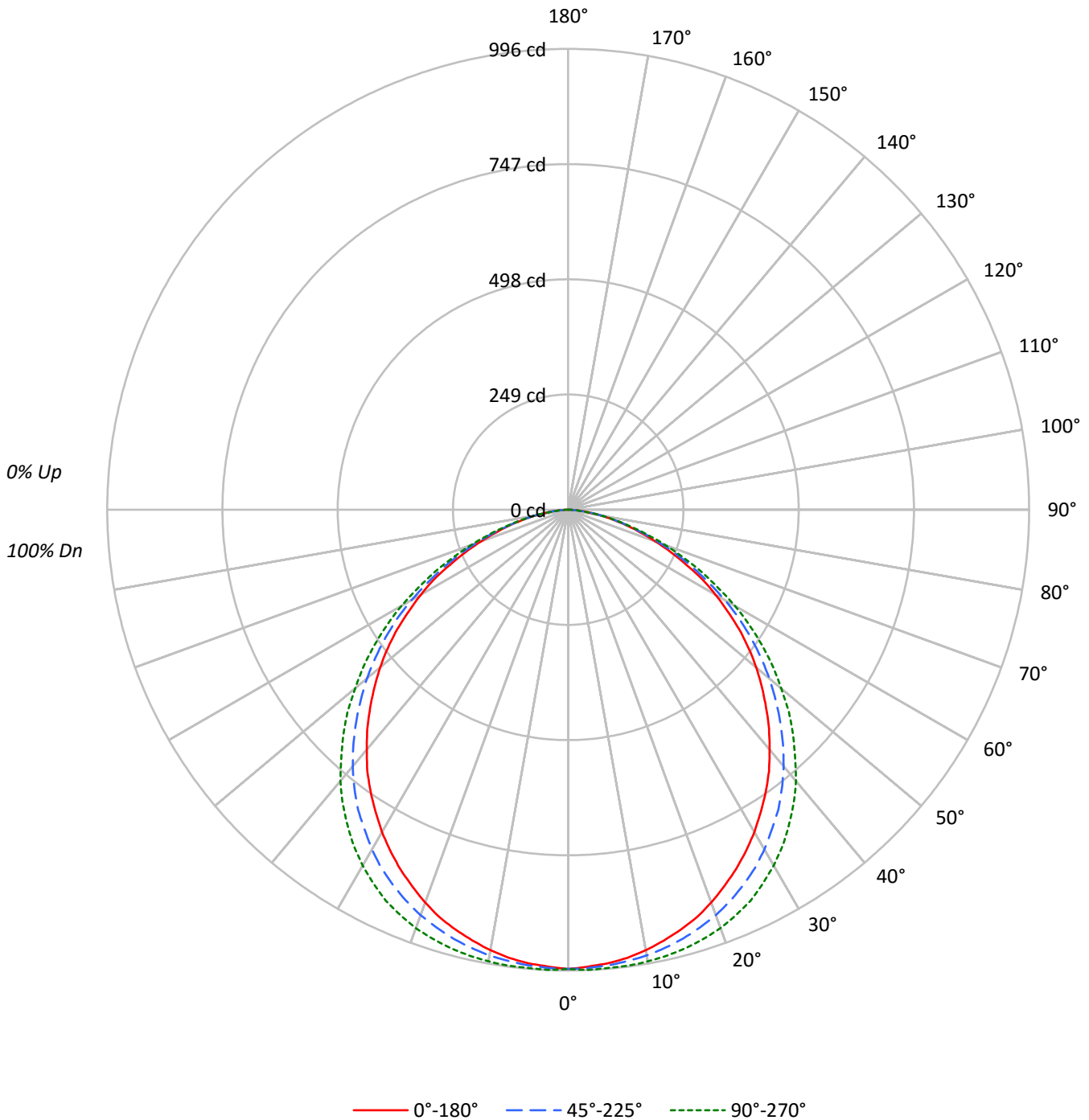
Input Watts (W): 27.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		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	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

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

	0°	45°	90°
0°	2671	2671	2671
5°	2658	2670	2685
10°	2642	2673	2709
15°	2618	2674	2734
20°	2588	2670	2756
25°	2547	2657	2768
30°	2500	2634	2759
35°	2445	2600	2733
40°	2377	2544	2690
45°	2302	2466	2613
50°	2219	2376	2514
55°	2116	2258	2399
60°	1979	2103	2242
65°	1793	1903	2022
70°	1582	1662	1752
75°	1359	1389	1449
80°	1091	1113	1136
85°	800	710	710



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.1	3.5
10°-20°	271.0	10.2
20°-30°	412.2	15.4
30°-40°	493.2	18.5
40°-50°	498.6	18.7
50°-60°	429.0	16.1
60°-70°	296.2	11.1
70°-80°	143.6	5.4
80°-90°	31.2	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°	777.3	29.1
0°-40°	1270.4	47.6
0°-60°	2198.0	82.4
0°-90°	2669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	993	993	993	993	993	
5°	984	986	988	993	994	93
15°	940	945	960	974	981	265
25°	858	868	895	922	932	395
35°	744	757	792	820	832	465
45°	605	616	648	675	687	467
55°	451	458	481	503	511	402
65°	282	286	299	312	318	280
75°	131	128	134	138	139	139
85°	26	26	23	23	23	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	992.7	992.7	992.7	992.7	992.7
2.5°	988.4	988.4	991.3	994.1	995.6
5°	984.1	985.5	988.4	992.7	994.1
7.5°	976.9	978.3	984.1	991.3	994.1
10°	966.9	969.7	978.3	987.0	991.3
12.5°	953.9	959.7	969.7	981.2	987.0
15°	939.6	945.3	959.7	974.0	981.2
17.5°	923.8	929.5	946.7	965.4	972.6
20°	903.6	912.3	932.4	953.9	962.5
22.5°	880.7	892.1	915.1	938.1	948.2
25°	857.7	867.7	895.0	922.3	932.4
27.5°	831.8	843.3	873.5	900.8	910.8
30°	804.5	816.0	847.6	877.8	887.8
32.5°	774.3	788.7	818.9	850.5	862.0
35°	744.2	757.1	791.6	820.3	831.8
37.5°	712.6	724.1	758.5	788.7	800.2
40°	676.7	689.6	724.1	754.2	765.7
42.5°	642.2	655.1	686.7	715.4	725.5
45°	604.8	616.3	647.9	675.2	686.7
47.5°	567.5	580.4	607.7	635.0	646.5
50°	530.1	540.2	567.5	593.3	600.5
52.5°	491.3	499.9	524.4	547.4	557.4
55°	451.1	458.3	481.3	502.8	511.4
57.5°	408.0	416.6	438.2	454.0	464.0
60°	367.8	372.1	390.8	406.6	416.6
62.5°	327.6	329.0	343.4	359.2	364.9
65°	281.6	285.9	298.8	311.7	317.5
67.5°	239.9	244.2	254.3	264.3	268.6
70°	201.1	201.1	211.2	218.4	222.7
72.5°	162.3	163.8	171.0	175.3	179.6
75°	130.7	127.9	133.6	137.9	139.4
77.5°	97.7	96.3	100.6	102.0	104.9
80°	70.4	70.4	71.8	73.3	73.3
82.5°	46.0	46.0	47.4	44.5	43.1
85°	25.9	25.9	23.0	23.0	23.0
87.5°	8.6	8.6	8.6	10.1	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)