

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: P298446

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298446  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L92765-LD5-UNV-22-T1-W2A-2700K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2774.0 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

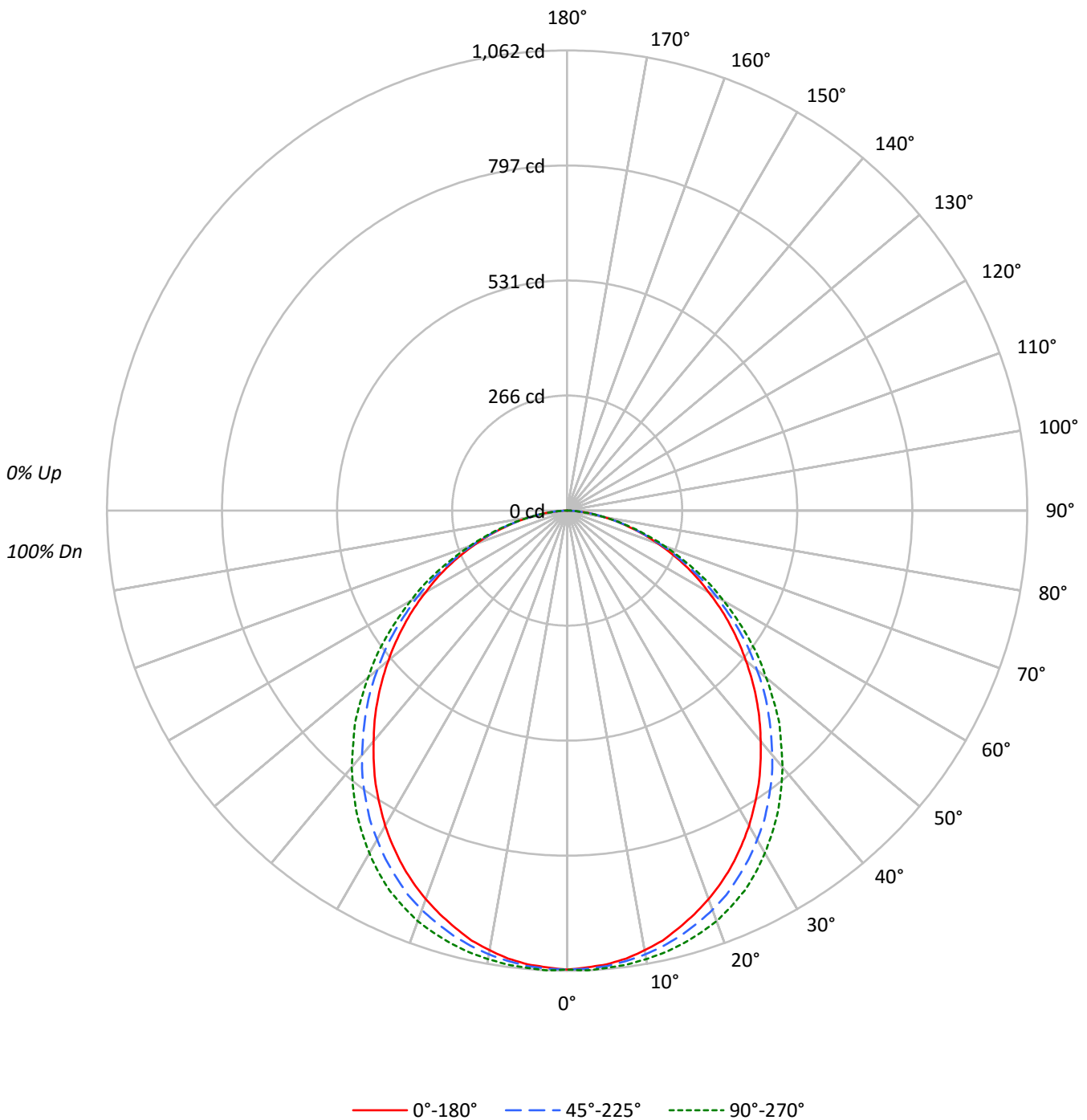
Input Watts (W): 27.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	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	43	35	30	41	35	30	40	34	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°	2851	2851	2851
5°	2839	2850	2862
10°	2816	2842	2872
15°	2778	2828	2882
20°	2733	2808	2887
25°	2678	2772	2875
30°	2609	2725	2837
35°	2532	2664	2786
40°	2440	2586	2717
45°	2355	2497	2633
50°	2255	2394	2509
55°	2152	2281	2391
60°	2030	2148	2245
65°	1917	1987	2084
70°	1761	1815	1880
75°	1565	1608	1651
80°	1348	1327	1327
85°	1022	939	852



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.2	3.6
10°-20°	286.4	10.3
20°-30°	430.1	15.5
30°-40°	506.2	18.2
40°-50°	504.9	18.2
50°-60°	433.2	15.6
60°-70°	310.3	11.2
70°-80°	164.3	5.9
80°-90°	38.4	1.4
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°	816.7	29.4
0°-40°	1322.9	47.7
0°-60°	2261.0	81.5
0°-90°	2774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2774.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1059	1059	1059	1059	1059	
5°	1051	1051	1055	1058	1059	100
15°	997	1001	1015	1029	1034	281
25°	902	910	934	957	968	415
35°	771	780	811	838	848	481
45°	619	628	656	680	692	477
55°	459	466	486	503	510	410
65°	301	302	312	325	327	297
75°	150	150	155	158	159	161
85°	33	32	30	28	28	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1059.4	1059.4	1059.4	1059.4	1059.4
2.5°	1055.2	1055.2	1058.0	1060.7	1062.1
5°	1051.1	1051.1	1055.2	1058.0	1059.4
7.5°	1042.8	1042.8	1048.3	1053.8	1056.6
10°	1030.4	1033.1	1040.0	1048.3	1051.1
12.5°	1016.5	1019.3	1029.0	1040.0	1044.2
15°	997.2	1001.4	1015.2	1029.0	1034.5
17.5°	976.5	982.0	998.6	1015.2	1022.1
20°	954.4	959.9	980.6	1000.0	1008.3
22.5°	929.5	936.4	959.9	980.6	988.9
25°	901.9	910.2	933.7	957.2	968.2
27.5°	871.5	881.2	907.4	932.3	942.0
30°	839.8	850.8	877.0	903.3	913.0
32.5°	805.2	814.9	846.7	871.5	881.2
35°	770.7	780.4	810.8	838.4	848.0
37.5°	733.4	745.8	776.2	801.1	810.8
40°	694.7	707.2	736.2	765.2	773.5
42.5°	657.4	668.5	696.1	722.4	730.6
45°	618.8	628.4	656.1	679.5	692.0
47.5°	578.7	588.4	616.0	638.1	645.0
50°	538.7	548.3	571.8	591.1	599.4
52.5°	498.6	508.3	530.4	548.3	556.6
55°	458.6	465.5	486.2	502.7	509.7
57.5°	418.5	424.0	440.6	458.6	462.7
60°	377.1	384.0	399.2	411.6	417.1
62.5°	339.8	342.5	356.3	367.4	374.3
65°	301.1	302.5	312.1	324.6	327.3
67.5°	261.0	262.4	272.1	279.0	281.8
70°	223.8	223.8	230.7	236.2	238.9
72.5°	187.8	186.5	190.6	196.1	198.9
75°	150.5	150.5	154.7	157.5	158.8
77.5°	118.8	116.0	118.8	121.5	121.5
80°	87.0	85.6	85.6	87.0	85.6
82.5°	59.4	58.0	59.4	56.6	55.2
85°	33.1	31.8	30.4	27.6	27.6
87.5°	11.0	9.7	9.7	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)