

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: P298461

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298461  
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-40L92765-LD5-UNV-22-T1-W2A-5500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3758.0 lumens  
Efficiency: N/A  
Efficacy: 113.9 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

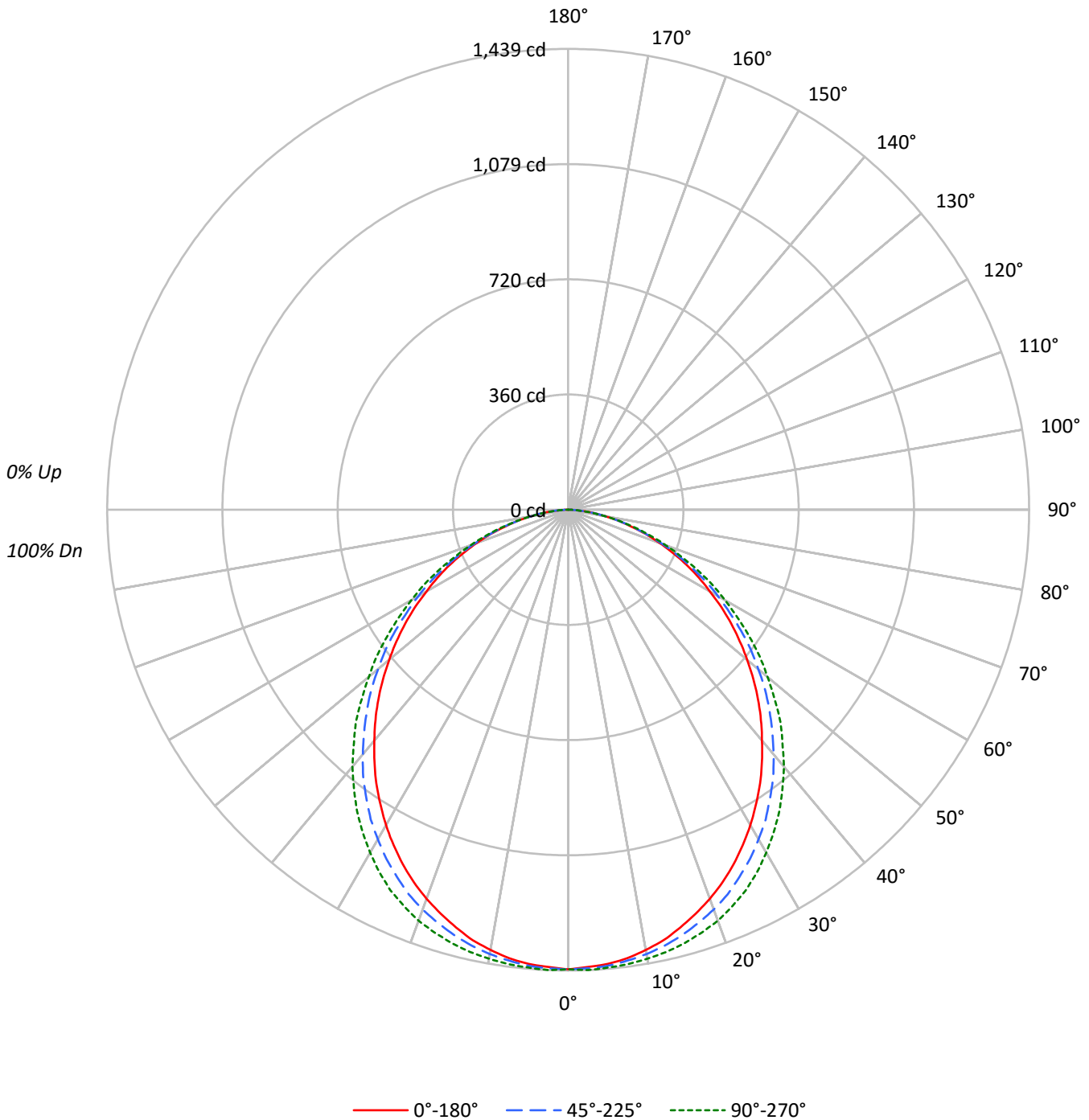
Input Watts (W): 33  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

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

	0°	45°	90°
0°	3862	3862	3862
5°	3846	3861	3877
10°	3814	3850	3891
15°	3763	3831	3904
20°	3702	3804	3912
25°	3628	3756	3895
30°	3535	3692	3843
35°	3430	3608	3774
40°	3306	3503	3681
45°	3190	3382	3567
50°	3055	3243	3400
55°	2914	3090	3239
60°	2749	2911	3041
65°	2597	2693	2824
70°	2385	2459	2547
75°	2121	2179	2237
80°	1827	1798	1798
85°	1386	1272	1155



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	3.6
10°-20°	388.0	10.3
20°-30°	582.6	15.5
30°-40°	685.7	18.2
40°-50°	683.9	18.2
50°-60°	586.9	15.6
60°-70°	420.3	11.2
70°-80°	222.6	5.9
80°-90°	52.1	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°	1106.4	29.4
0°-40°	1792.1	47.7
0°-60°	3063.0	81.5
0°-90°	3758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3758.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1435	1435	1435	1435	1435	
5°	1424	1424	1430	1433	1435	135
15°	1351	1357	1375	1394	1402	381
25°	1222	1233	1265	1297	1312	562
35°	1044	1057	1098	1136	1149	652
45°	838	851	889	921	937	646
55°	621	631	659	681	690	555
65°	408	410	423	440	444	403
75°	204	204	210	213	215	219
85°	45	43	41	37	37	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1429.5	1429.5	1433.3	1437.0	1438.9
5°	1423.9	1423.9	1429.5	1433.3	1435.1
7.5°	1412.7	1412.7	1420.2	1427.7	1431.4
10°	1395.9	1399.6	1409.0	1420.2	1423.9
12.5°	1377.1	1380.9	1394.0	1409.0	1414.6
15°	1350.9	1356.6	1375.3	1394.0	1401.5
17.5°	1322.9	1330.4	1352.8	1375.3	1384.6
20°	1292.9	1300.4	1328.5	1354.7	1365.9
22.5°	1259.3	1268.6	1300.4	1328.5	1339.7
25°	1221.8	1233.1	1264.9	1296.7	1311.7
27.5°	1180.7	1193.8	1229.3	1263.0	1276.1
30°	1137.6	1152.6	1188.2	1223.7	1236.8
32.5°	1090.9	1104.0	1147.0	1180.7	1193.8
35°	1044.1	1057.2	1098.3	1135.8	1148.9
37.5°	993.6	1010.4	1051.6	1085.2	1098.3
40°	941.2	958.0	997.3	1036.6	1047.8
42.5°	890.7	905.6	943.0	978.6	989.8
45°	838.3	851.4	888.8	920.6	937.4
47.5°	784.0	797.1	834.5	864.5	873.8
50°	729.7	742.8	774.6	800.8	812.1
52.5°	675.5	688.6	718.5	742.8	754.1
55°	621.2	630.6	658.6	681.1	690.4
57.5°	566.9	574.4	596.9	621.2	626.8
60°	510.8	520.2	540.8	557.6	565.1
62.5°	460.3	464.0	482.7	497.7	507.1
65°	407.9	409.8	422.9	439.7	443.5
67.5°	353.6	355.5	368.6	378.0	381.7
70°	303.1	303.1	312.5	320.0	323.7
72.5°	254.5	252.6	258.2	265.7	269.4
75°	204.0	204.0	209.6	213.3	215.2
77.5°	160.9	157.2	160.9	164.7	164.7
80°	117.9	116.0	116.0	117.9	116.0
82.5°	80.5	78.6	80.5	76.7	74.8
85°	44.9	43.0	41.2	37.4	37.4
87.5°	15.0	13.1	13.1	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)