

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: P297956

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)  
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-14-T1-W2A-5000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3295.0 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

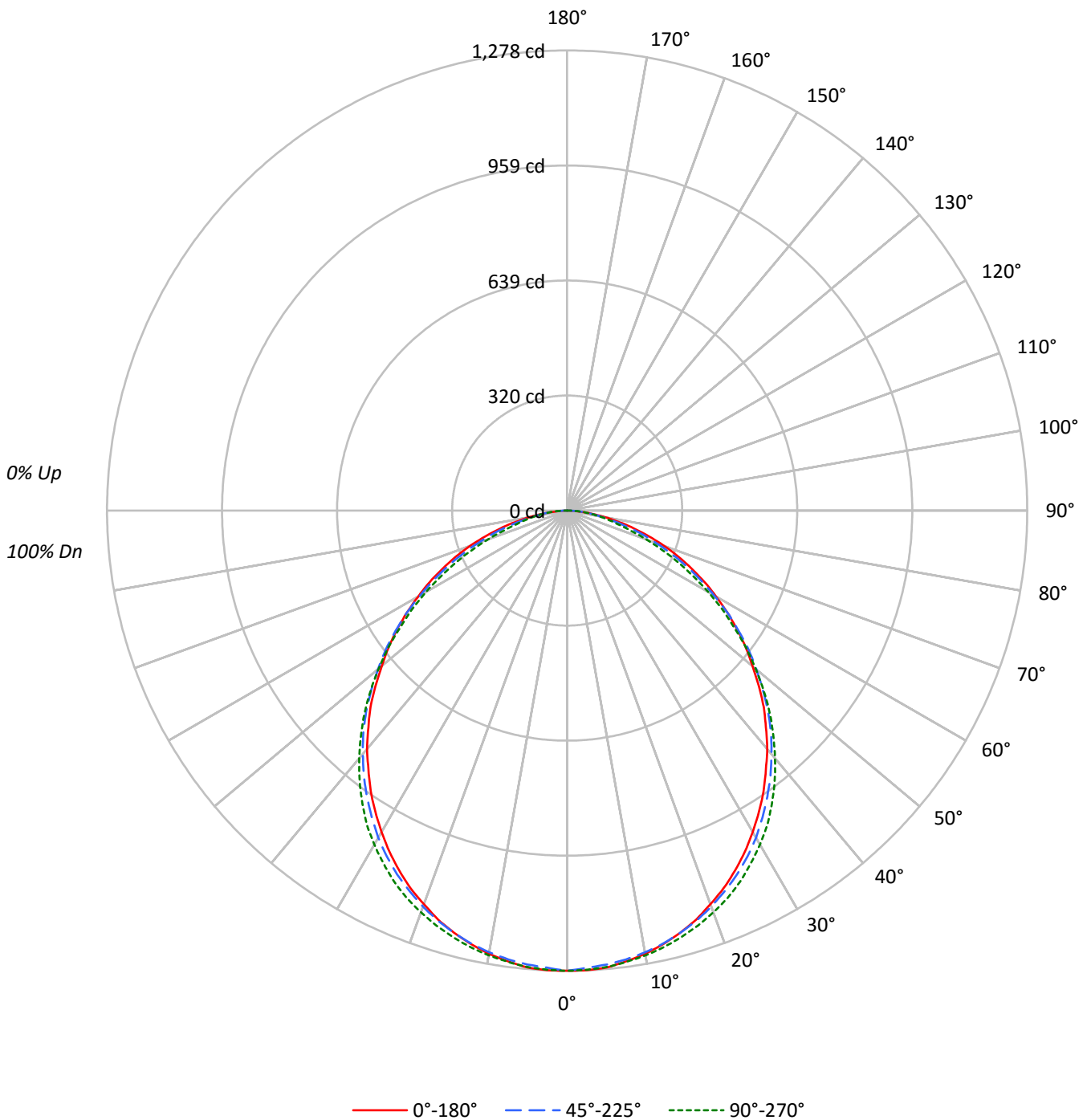
Input Watts (W): 34.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	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	46	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	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	3439	3439	3439
5°	3441	3418	3437
10°	3416	3404	3427
15°	3382	3382	3416
20°	3332	3352	3400
25°	3276	3314	3376
30°	3203	3260	3329
35°	3125	3184	3258
40°	3037	3101	3155
45°	2939	3003	3030
50°	2812	2871	2859
55°	2707	2726	2654
60°	2571	2533	2435
65°	2428	2330	2170
70°	2253	2066	1836
75°	2004	1772	1511
80°	1666	1450	1407
85°	1207	1294	1294



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.6	3.7
10°-20°	343.6	10.4
20°-30°	514.9	15.6
30°-40°	606.7	18.4
40°-50°	605.1	18.4
50°-60°	514.7	15.6
60°-70°	359.2	10.9
70°-80°	182.6	5.5
80°-90°	47.7	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°	979.1	29.7
0°-40°	1585.8	48.1
0°-60°	2705.5	82.1
0°-90°	3295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3295.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1278	1278	1278	1278	1278	
5°	1274	1271	1265	1272	1272	121
15°	1214	1214	1214	1225	1226	342
25°	1103	1105	1116	1133	1137	508
35°	951	953	969	989	992	594
45°	772	775	789	795	796	594
55°	577	577	581	573	566	515
65°	381	376	366	346	341	378
75°	193	186	170	150	145	205
85°	39	40	42	42	42	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1278.0	1278.0	1278.0	1278.0	1278.0
2.5°	1278.0	1276.6	1271.0	1276.6	1276.6
5°	1273.8	1271.0	1265.4	1272.4	1272.4
7.5°	1262.7	1261.3	1257.1	1264.0	1264.0
10°	1250.1	1248.7	1245.9	1254.3	1254.3
12.5°	1233.3	1233.3	1231.9	1240.3	1241.7
15°	1213.8	1213.8	1213.8	1224.9	1226.3
17.5°	1191.4	1190.0	1194.2	1206.8	1208.2
20°	1163.5	1164.9	1170.5	1184.4	1187.2
22.5°	1135.5	1136.9	1143.9	1160.7	1164.9
25°	1103.4	1104.8	1116.0	1132.8	1136.9
27.5°	1068.5	1071.3	1083.9	1102.0	1104.8
30°	1030.8	1033.6	1049.0	1067.1	1071.3
32.5°	991.7	995.9	1009.8	1029.4	1035.0
35°	951.2	952.6	969.3	988.9	991.7
37.5°	906.5	910.7	927.4	944.2	947.0
40°	864.6	867.4	882.7	896.7	898.1
42.5°	817.1	821.3	838.0	847.8	847.8
45°	772.4	775.2	789.2	794.7	796.1
47.5°	722.1	724.9	737.5	740.3	740.3
50°	671.8	678.8	685.8	685.8	683.0
52.5°	625.7	627.1	635.5	629.9	627.1
55°	576.9	576.9	581.0	572.7	565.7
57.5°	528.0	528.0	528.0	516.8	511.2
60°	477.7	476.3	470.7	456.7	452.5
62.5°	430.2	426.0	417.6	403.7	395.3
65°	381.3	375.7	365.9	346.4	340.8
67.5°	335.2	325.4	314.3	296.1	286.3
70°	286.3	278.0	262.6	241.6	233.3
72.5°	238.8	230.5	217.9	196.9	184.4
75°	192.7	185.8	170.4	149.5	145.3
77.5°	148.1	143.9	128.5	118.7	117.3
80°	107.5	106.2	93.6	90.8	90.8
82.5°	71.2	69.8	65.6	65.6	64.2
85°	39.1	40.5	41.9	41.9	41.9
87.5°	14.0	16.8	19.6	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)