

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: P297473

Luminaire Tested: **D3X-WO-36L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-36L92765-LD5-UNV-24-T1-W2A-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3395.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

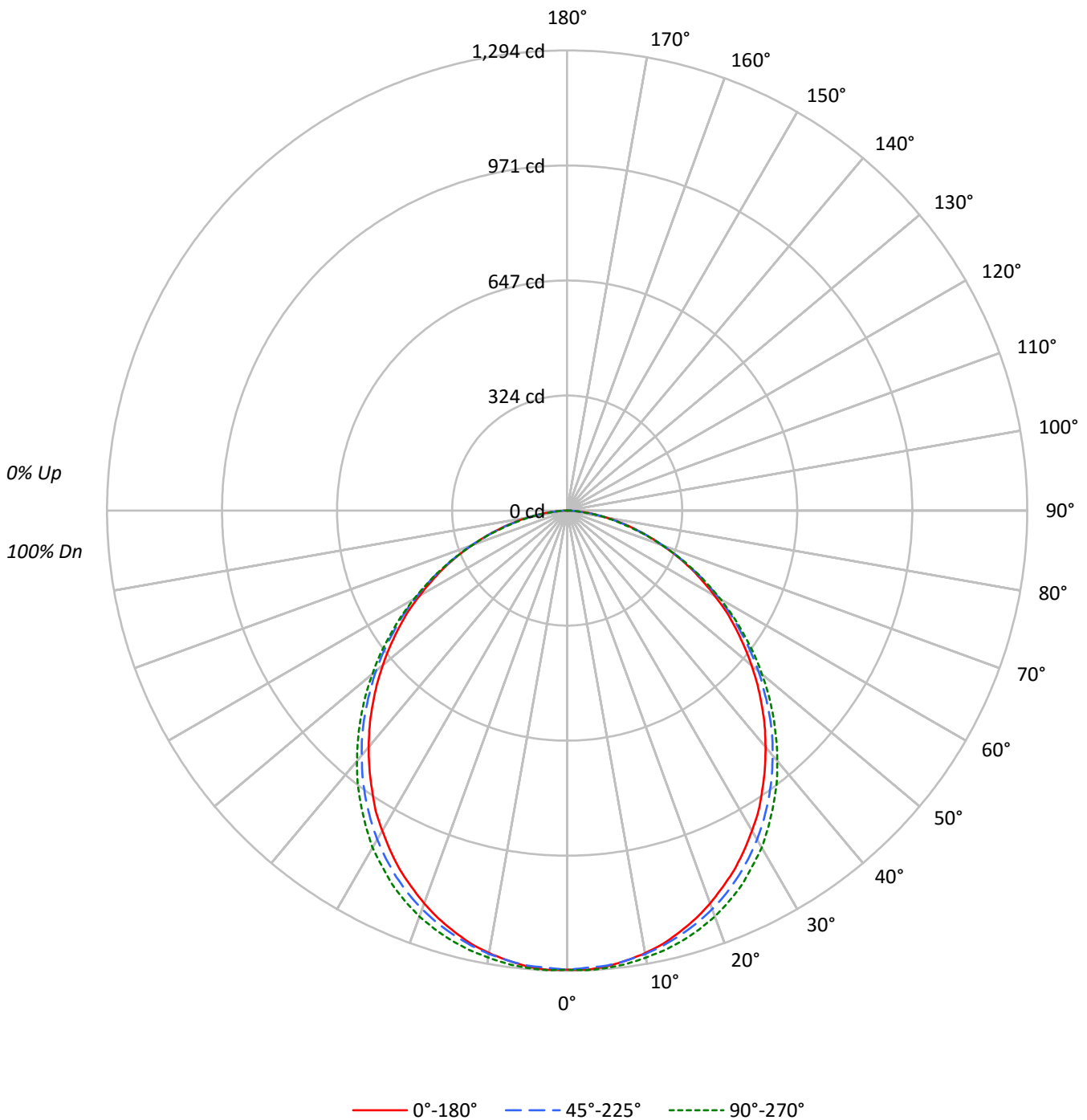
Input Watts (W): 25.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	30	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°	1737	1737	1737
5°	1738	1735	1744
10°	1727	1730	1744
15°	1708	1720	1744
20°	1683	1708	1739
25°	1654	1688	1725
30°	1615	1660	1700
35°	1572	1623	1661
40°	1525	1579	1615
45°	1473	1528	1560
50°	1417	1470	1496
55°	1358	1400	1422
60°	1290	1323	1339
65°	1216	1234	1242
70°	1116	1129	1116
75°	1005	999	969
80°	851	841	815
85°	636	618	548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.2	3.6
10°-20°	349.2	10.3
20°-30°	523.6	15.4
30°-40°	616.6	18.2
40°-50°	616.7	18.2
50°-60°	532.1	15.7
60°-70°	382.9	11.3
70°-80°	203.1	6.0
80°-90°	48.4	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°	995.1	29.3
0°-40°	1611.7	47.5
0°-60°	2760.6	81.3
0°-90°	3395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3395.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1291	1291	1291	1291	1291	
5°	1287	1286	1284	1289	1291	122
15°	1226	1229	1235	1248	1252	346
25°	1114	1121	1137	1156	1162	512
35°	957	969	988	1005	1011	599
45°	774	784	803	817	820	597
55°	579	584	597	607	606	518
65°	382	383	388	390	390	378
75°	193	191	192	188	186	206
85°	41	41	40	37	36	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1291.2	1291.2	1291.2	1291.2	1291.2
2.5°	1292.3	1290.0	1286.6	1291.2	1293.5
5°	1286.6	1285.5	1284.3	1288.9	1291.2
7.5°	1276.3	1277.5	1276.3	1283.2	1285.5
10°	1263.7	1264.9	1266.0	1274.0	1276.3
12.5°	1247.7	1248.9	1252.3	1262.6	1266.0
15°	1226.0	1229.4	1235.1	1247.7	1252.3
17.5°	1203.1	1207.7	1215.7	1230.6	1235.1
20°	1175.7	1181.4	1192.8	1208.8	1214.6
22.5°	1144.8	1150.5	1166.5	1183.7	1189.4
25°	1113.9	1120.8	1136.8	1156.2	1161.9
27.5°	1077.3	1086.5	1103.6	1123.1	1127.6
30°	1039.6	1047.6	1068.2	1086.5	1094.5
32.5°	1001.8	1009.8	1029.3	1047.6	1053.3
35°	957.2	968.7	988.1	1005.3	1011.0
37.5°	913.8	924.1	944.7	961.8	967.5
40°	868.0	877.2	898.9	914.9	919.5
42.5°	822.3	831.4	853.2	865.7	870.3
45°	774.3	784.5	802.8	816.6	820.0
47.5°	726.2	734.2	751.4	764.0	768.5
50°	677.0	685.0	702.2	712.5	714.8
52.5°	627.9	633.6	649.6	658.7	662.2
55°	578.7	584.4	597.0	607.3	606.1
57.5°	531.8	534.1	546.7	553.5	553.5
60°	479.2	481.5	491.8	496.3	497.5
62.5°	430.0	433.4	441.4	442.6	442.6
65°	382.0	383.1	387.7	390.0	390.0
67.5°	333.9	332.8	337.4	337.4	336.2
70°	283.6	285.9	287.1	284.8	283.6
72.5°	237.9	236.7	236.7	235.6	235.6
75°	193.3	191.0	192.1	187.6	186.4
77.5°	152.1	148.7	147.5	145.2	143.0
80°	109.8	109.8	108.6	106.4	105.2
82.5°	73.2	73.2	72.0	69.8	67.5
85°	41.2	41.2	40.0	36.6	35.5
87.5°	13.7	13.7	13.7	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)