

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: P297745

Luminaire Tested: **D3X-WG-35L82765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297745  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-35L82765-LD5-UNV-14-T1-W2A-4500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3433.0 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

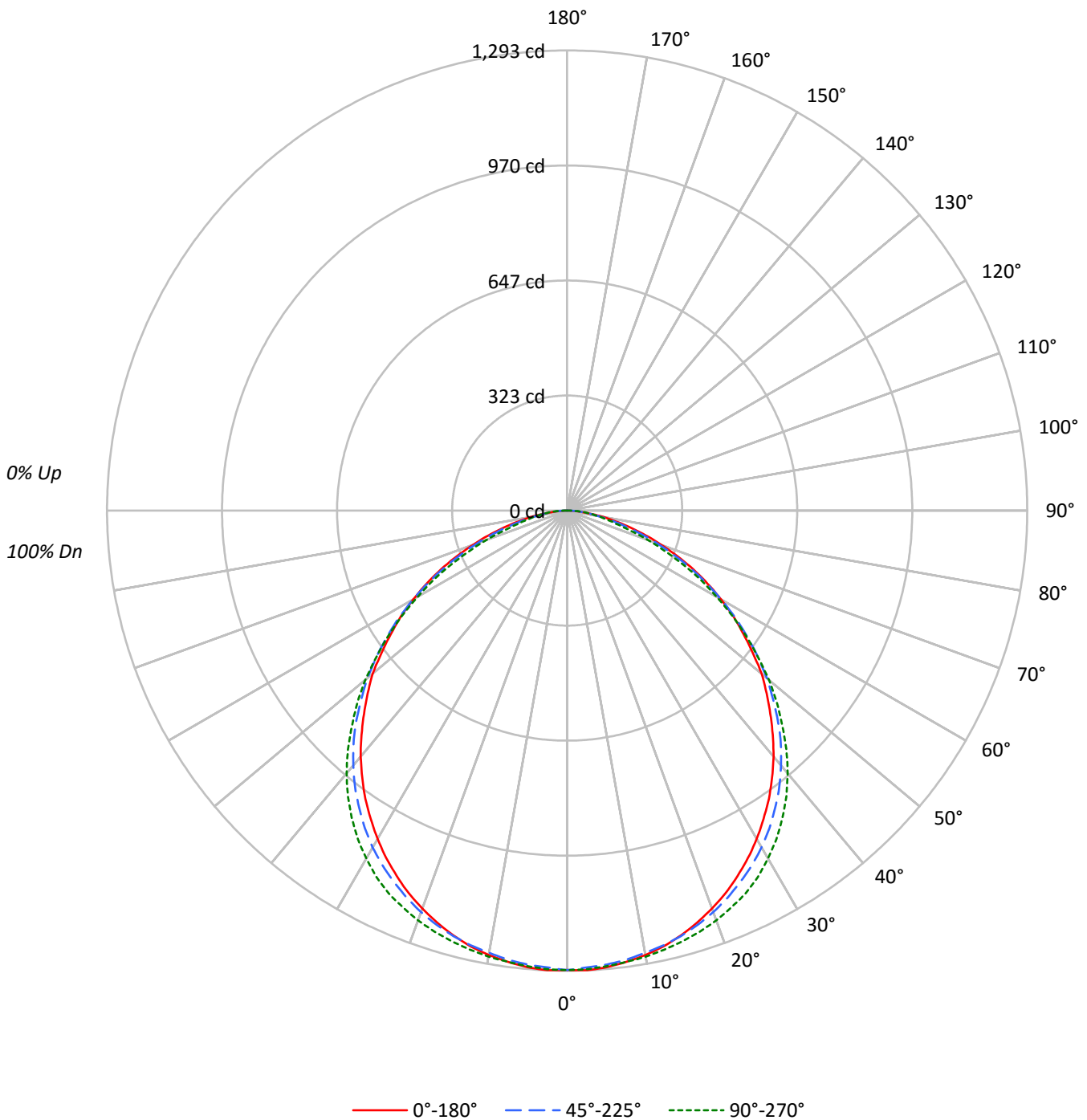
Input Watts (W): 34.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	3474	3474	3474
5°	3479	3458	3471
10°	3465	3448	3478
15°	3443	3447	3490
20°	3407	3438	3508
25°	3364	3419	3524
30°	3310	3396	3506
35°	3248	3349	3465
40°	3171	3284	3387
45°	3073	3190	3254
50°	2989	3066	3098
55°	2838	2895	2881
60°	2685	2685	2611
65°	2493	2434	2297
70°	2210	2114	1909
75°	1915	1739	1468
80°	1570	1356	1333
85°	1044	1232	1328



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.1	3.6
10°-20°	350.4	10.2
20°-30°	532.6	15.5
30°-40°	637.6	18.6
40°-50°	643.2	18.7
50°-60°	547.8	16.0
60°-70°	374.6	10.9
70°-80°	179.4	5.2
80°-90°	45.4	1.3
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°	1005.0	29.3
0°-40°	1642.6	47.8
0°-60°	2833.6	82.5
0°-90°	3433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3433.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1291	1291	1291	1291	1291	
5°	1288	1286	1280	1286	1285	122
15°	1236	1233	1237	1251	1253	348
25°	1133	1134	1151	1178	1187	522
35°	989	992	1019	1048	1055	618
45°	808	814	838	855	855	624
55°	605	608	617	619	614	542
65°	392	384	382	368	361	386
75°	184	181	167	146	141	197
85°	34	37	40	41	43	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1291.1	1291.1	1291.1	1291.1	1291.1
2.5°	1292.6	1291.1	1284.9	1291.1	1289.6
5°	1288.0	1286.5	1280.3	1286.5	1284.9
7.5°	1278.8	1277.3	1272.7	1278.8	1278.8
10°	1268.1	1265.0	1261.9	1271.1	1272.7
12.5°	1254.2	1251.2	1251.2	1261.9	1263.5
15°	1235.8	1232.8	1237.4	1251.2	1252.7
17.5°	1214.3	1212.8	1220.5	1237.4	1240.4
20°	1189.8	1188.2	1200.5	1220.5	1225.1
22.5°	1163.7	1163.7	1177.5	1200.5	1206.7
25°	1133.0	1134.5	1151.4	1177.5	1186.7
27.5°	1100.7	1103.8	1123.8	1152.9	1160.6
30°	1065.4	1070.0	1093.0	1120.7	1128.4
32.5°	1027.0	1031.6	1057.7	1086.9	1094.6
35°	988.7	991.7	1019.4	1048.5	1054.7
37.5°	945.7	950.3	979.4	1005.5	1011.7
40°	902.7	907.3	934.9	959.5	964.1
42.5°	855.1	861.2	888.9	908.8	911.9
45°	807.5	813.6	838.2	855.1	855.1
47.5°	759.9	763.0	784.5	801.4	799.8
50°	713.9	712.3	732.3	740.0	740.0
52.5°	657.1	661.7	675.5	680.1	675.5
55°	604.9	607.9	617.1	618.7	614.1
57.5°	554.2	552.7	560.3	555.7	549.6
60°	498.9	498.9	498.9	494.3	485.1
62.5°	445.2	442.1	440.6	429.9	425.2
65°	391.5	383.8	382.3	368.4	360.8
67.5°	334.7	331.6	323.9	310.1	296.3
70°	280.9	277.9	268.7	251.8	242.6
72.5°	231.8	228.7	216.5	196.5	184.2
75°	184.2	181.2	167.3	145.8	141.2
77.5°	139.7	138.2	124.3	113.6	112.1
80°	101.3	99.8	87.5	87.5	86.0
82.5°	64.5	64.5	61.4	62.9	64.5
85°	33.8	36.8	39.9	41.4	43.0
87.5°	10.7	16.9	20.0	21.5	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)