

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: P297884

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297884  
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-35L82765-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3559.0 lumens  
Efficiency: N/A  
Efficacy: 105.0 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

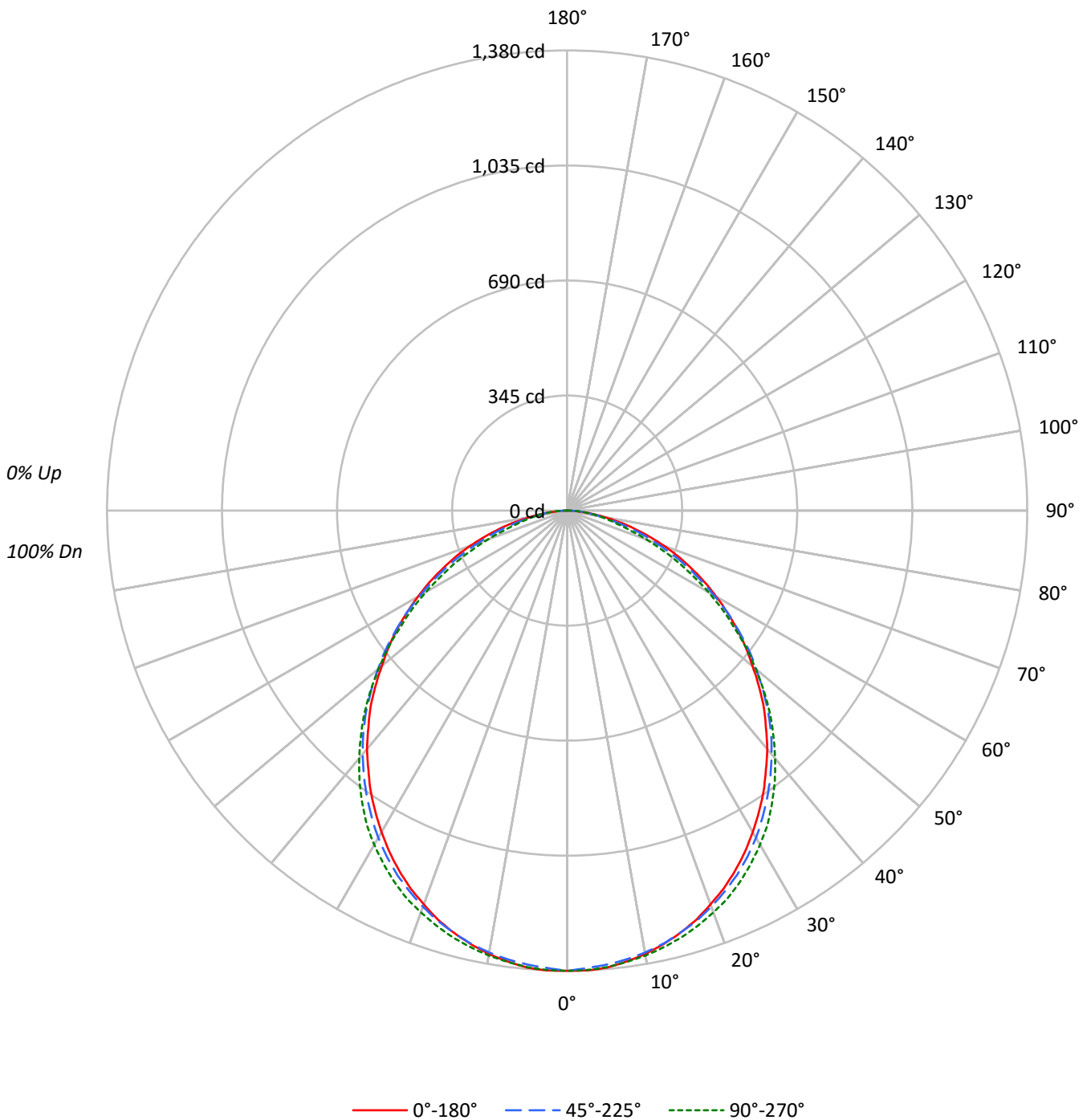
Input Watts (W): 33.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	3715	3715	3715
5°	3717	3692	3713
10°	3689	3677	3702
15°	3652	3652	3690
20°	3599	3620	3672
25°	3539	3579	3646
30°	3460	3521	3595
35°	3375	3439	3519
40°	3281	3349	3408
45°	3175	3244	3272
50°	3038	3101	3088
55°	2923	2944	2867
60°	2777	2736	2631
65°	2623	2517	2344
70°	2434	2231	1982
75°	2165	1914	1631
80°	1801	1567	1520
85°	1303	1399	1399



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.3	3.7
10°-20°	371.1	10.4
20°-30°	556.2	15.6
30°-40°	655.3	18.4
40°-50°	653.6	18.4
50°-60°	555.9	15.6
60°-70°	388.0	10.9
70°-80°	197.2	5.5
80°-90°	51.5	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°	1057.5	29.7
0°-40°	1712.8	48.1
0°-60°	2922.3	82.1
0°-90°	3559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1380	1380	1380	1380	1380	
5°	1376	1373	1367	1374	1374	130
15°	1311	1311	1311	1323	1325	370
25°	1192	1193	1205	1224	1228	549
35°	1027	1029	1047	1068	1071	642
45°	834	837	852	858	860	642
55°	623	623	628	618	611	557
65°	412	406	395	374	368	408
75°	208	201	184	161	157	221
85°	42	44	45	45	45	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1380.4	1380.4	1380.4	1380.4	1380.4
2.5°	1380.4	1378.9	1372.9	1378.9	1378.9
5°	1375.9	1372.9	1366.8	1374.4	1374.4
7.5°	1363.8	1362.3	1357.8	1365.3	1365.3
10°	1350.2	1348.7	1345.7	1354.8	1354.8
12.5°	1332.1	1332.1	1330.6	1339.7	1341.2
15°	1311.0	1311.0	1311.0	1323.1	1324.6
17.5°	1286.9	1285.4	1289.9	1303.5	1305.0
20°	1256.7	1258.2	1264.2	1279.3	1282.4
22.5°	1226.5	1228.0	1235.6	1253.7	1258.2
25°	1191.8	1193.3	1205.4	1223.5	1228.0
27.5°	1154.1	1157.1	1170.7	1190.3	1193.3
30°	1113.4	1116.4	1133.0	1152.6	1157.1
32.5°	1071.1	1075.7	1090.8	1111.9	1117.9
35°	1027.4	1028.9	1047.0	1068.1	1071.1
37.5°	979.1	983.6	1001.7	1019.8	1022.9
40°	933.9	936.9	953.5	968.6	970.1
42.5°	882.6	887.1	905.2	915.7	915.7
45°	834.3	837.3	852.4	858.4	859.9
47.5°	780.0	783.0	796.6	799.6	799.6
50°	725.7	733.2	740.7	740.7	737.7
52.5°	675.9	677.4	686.4	680.4	677.4
55°	623.1	623.1	627.6	618.5	611.0
57.5°	570.3	570.3	570.3	558.2	552.2
60°	516.0	514.4	508.4	493.3	488.8
62.5°	464.7	460.1	451.1	436.0	426.9
65°	411.9	405.8	395.3	374.1	368.1
67.5°	362.1	351.5	339.4	319.8	309.3
70°	309.3	300.2	283.6	261.0	251.9
72.5°	258.0	248.9	235.3	212.7	199.1
75°	208.2	200.7	184.1	161.4	156.9
77.5°	159.9	155.4	138.8	128.2	126.7
80°	116.2	114.7	101.1	98.1	98.1
82.5°	76.9	75.4	70.9	70.9	69.4
85°	42.2	43.8	45.3	45.3	45.3
87.5°	15.1	18.1	21.1	21.1	21.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)