

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: P297882

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297882  
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-3000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3366.0 lumens  
Efficiency: N/A  
Efficacy: 101.1 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

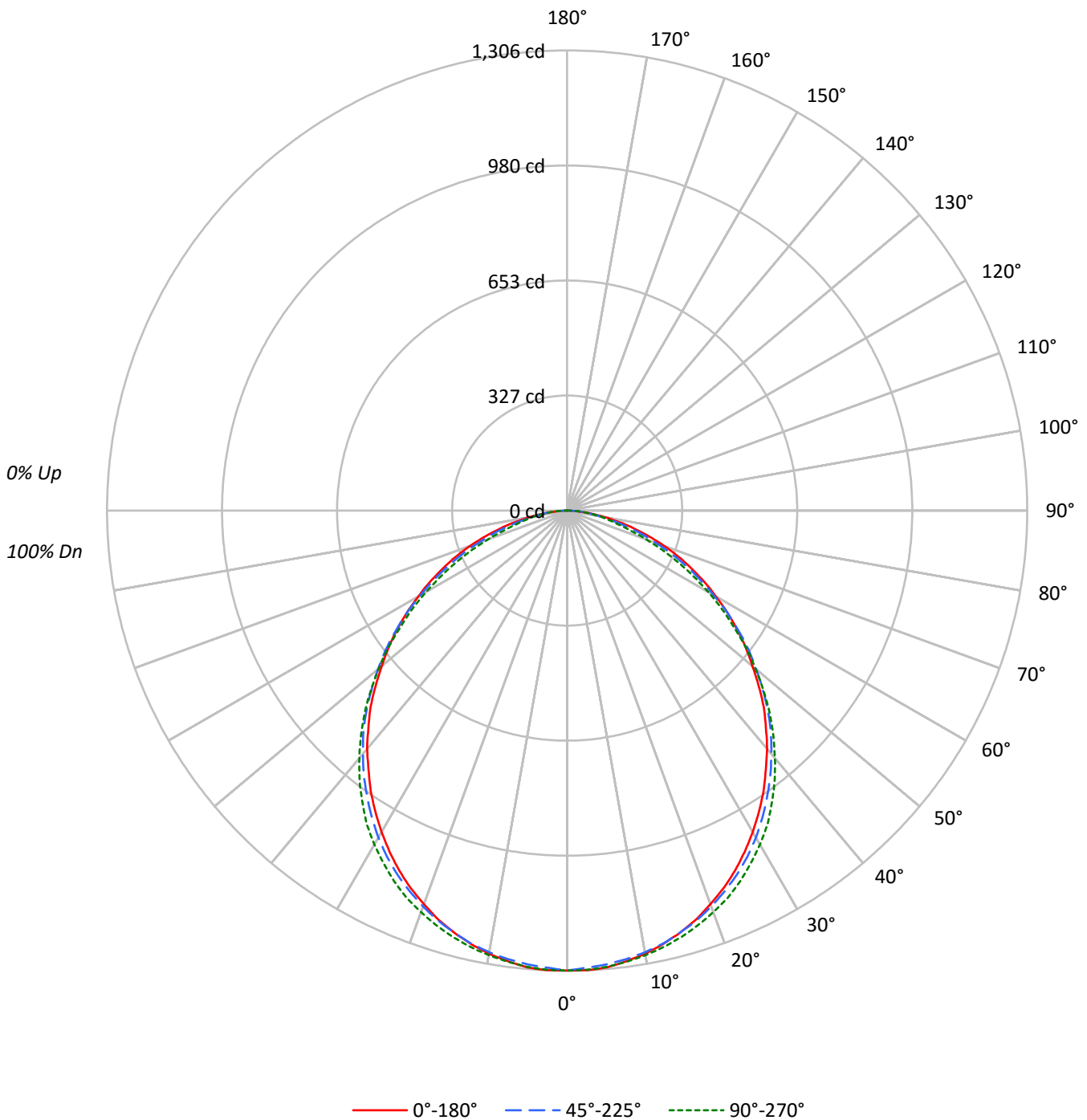
Input Watts (W): 33.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297882

CATALOG NUMBER: D3X-WO-35L82765-LD5-UNV-14-T1-W2A-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P297882

CATALOG NUMBER: D3X-WO-35L82765-LD5-UNV-14-T1-W2A-3000K

**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°	3513	3513	3513
5°	3515	3492	3511
10°	3489	3478	3501
15°	3454	3454	3490
20°	3404	3424	3473
25°	3347	3385	3448
30°	3272	3330	3401
35°	3192	3253	3328
40°	3103	3168	3223
45°	3003	3068	3095
50°	2873	2933	2921
55°	2765	2785	2711
60°	2626	2588	2488
65°	2480	2380	2216
70°	2301	2110	1875
75°	2047	1810	1543
80°	1703	1481	1437
85°	1235	1321	1321



TEST NUMBER: P297882

CATALOG NUMBER: D3X-WO-35L82765-LD5-UNV-14-T1-W2A-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.2	3.7
10°-20°	351.0	10.4
20°-30°	526.0	15.6
30°-40°	619.7	18.4
40°-50°	618.1	18.4
50°-60°	525.8	15.6
60°-70°	366.9	10.9
70°-80°	186.5	5.5
80°-90°	48.7	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°	1000.2	29.7
0°-40°	1619.9	48.1
0°-60°	2763.8	82.1
0°-90°	3366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3366.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1301	1298	1293	1300	1300	123
15°	1240	1240	1240	1251	1253	350
25°	1127	1129	1140	1157	1161	519
35°	972	973	990	1010	1013	607
45°	789	792	806	812	813	607
55°	589	589	594	585	578	526
65°	390	384	374	354	348	386
75°	197	190	174	153	148	209
85°	40	41	43	43	43	50
90°	0	0	0	0	0	



TEST NUMBER: P297882

CATALOG NUMBER: D3X-WO-35L82765-LD5-UNV-14-T1-W2A-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1305.6	1305.6	1305.6	1305.6	1305.6
2.5°	1305.6	1304.1	1298.4	1304.1	1304.1
5°	1301.3	1298.4	1292.7	1299.8	1299.8
7.5°	1289.9	1288.4	1284.2	1291.3	1291.3
10°	1277.0	1275.6	1272.7	1281.3	1281.3
12.5°	1259.9	1259.9	1258.5	1267.0	1268.5
15°	1239.9	1239.9	1239.9	1251.3	1252.8
17.5°	1217.1	1215.7	1219.9	1232.8	1234.2
20°	1188.6	1190.0	1195.7	1210.0	1212.8
22.5°	1160.0	1161.4	1168.6	1185.7	1190.0
25°	1127.2	1128.6	1140.0	1157.2	1161.4
27.5°	1091.5	1094.4	1107.2	1125.8	1128.6
30°	1053.0	1055.9	1071.6	1090.1	1094.4
32.5°	1013.1	1017.3	1031.6	1051.6	1057.3
35°	971.7	973.1	990.2	1010.2	1013.1
37.5°	926.0	930.3	947.4	964.5	967.4
40°	883.2	886.1	901.8	916.0	917.5
42.5°	834.7	839.0	856.1	866.1	866.1
45°	789.0	791.9	806.2	811.9	813.3
47.5°	737.7	740.5	753.4	756.2	756.2
50°	686.3	693.4	700.6	700.6	697.7
52.5°	639.2	640.6	649.2	643.5	640.6
55°	589.3	589.3	593.6	585.0	577.9
57.5°	539.3	539.3	539.3	527.9	522.2
60°	488.0	486.6	480.8	466.6	462.3
62.5°	439.5	435.2	426.6	412.4	403.8
65°	389.5	383.8	373.8	353.9	348.1
67.5°	342.4	332.5	321.0	302.5	292.5
70°	292.5	283.9	268.2	246.8	238.3
72.5°	244.0	235.4	222.6	201.2	188.3
75°	196.9	189.8	174.1	152.7	148.4
77.5°	151.2	147.0	131.3	121.3	119.9
80°	109.9	108.4	95.6	92.7	92.7
82.5°	72.8	71.3	67.1	67.1	65.6
85°	40.0	41.4	42.8	42.8	42.8
87.5°	14.3	17.1	20.0	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)