

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: P297743

Luminaire Tested: **D3X-WG-35L82765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297743  
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-3500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3300.0 lumens  
Efficiency: N/A  
Efficacy: 97.6 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

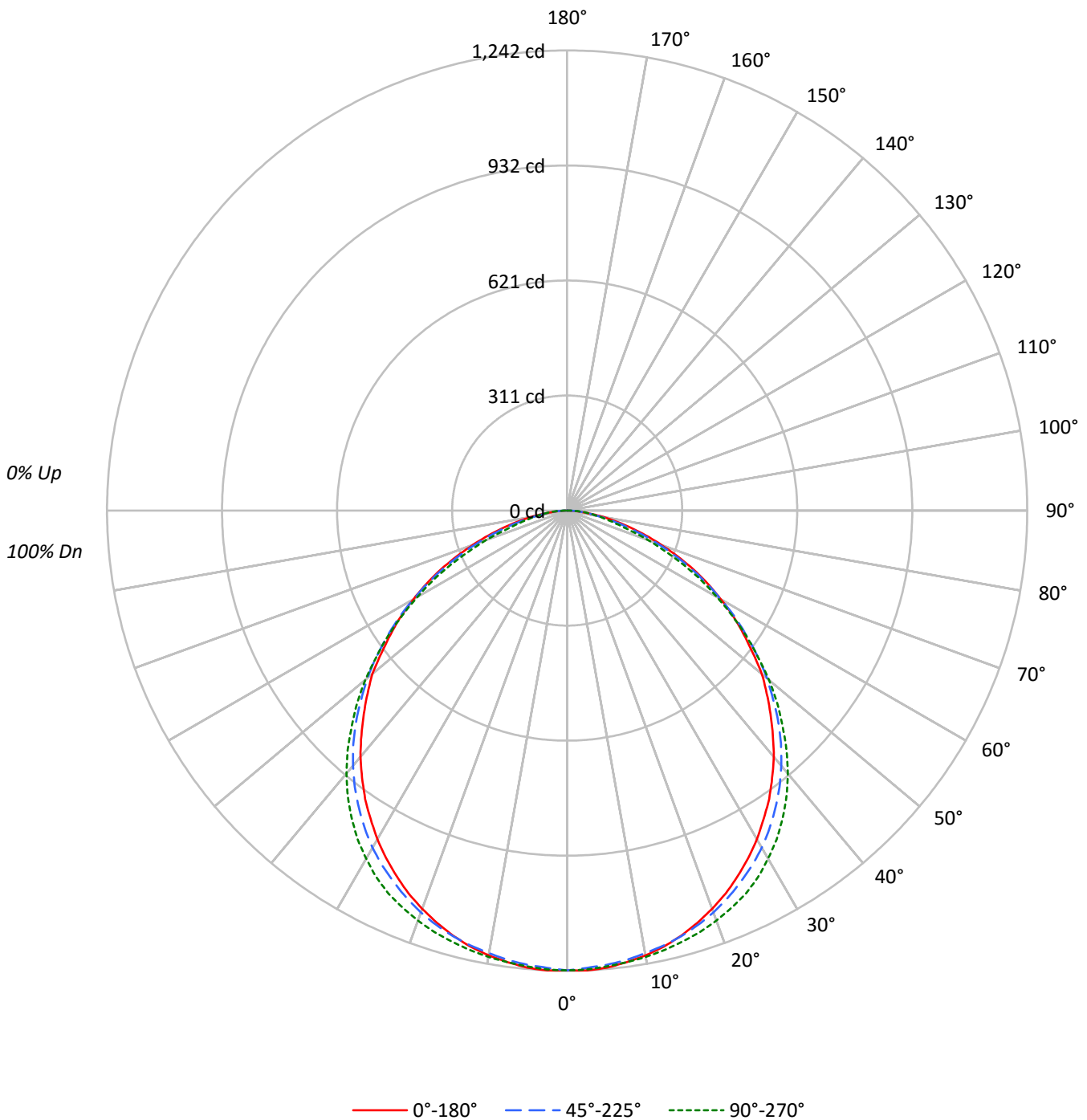
Input Watts (W): 33.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297743

CATALOG NUMBER: D3X-WG-35L82765-LD5-UNV-14-T1-W2A-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P297743

CATALOG NUMBER: D3X-WG-35L82765-LD5-UNV-14-T1-W2A-3500K

**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°	3340	3340	3340
5°	3344	3324	3337
10°	3331	3315	3343
15°	3309	3314	3355
20°	3275	3305	3372
25°	3234	3286	3387
30°	3182	3265	3370
35°	3122	3219	3330
40°	3048	3157	3255
45°	2954	3066	3128
50°	2873	2947	2978
55°	2728	2783	2769
60°	2581	2581	2510
65°	2396	2340	2208
70°	2125	2031	1835
75°	1841	1673	1412
80°	1509	1303	1280
85°	1003	1186	1275



TEST NUMBER: P297743

CATALOG NUMBER: D3X-WG-35L82765-LD5-UNV-14-T1-W2A-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.3	3.6
10°-20°	336.8	10.2
20°-30°	511.9	15.5
30°-40°	612.9	18.6
40°-50°	618.2	18.7
50°-60°	526.6	16.0
60°-70°	360.1	10.9
70°-80°	172.4	5.2
80°-90°	43.7	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°	966.1	29.3
0°-40°	1579.0	47.8
0°-60°	2723.8	82.5
0°-90°	3300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3300.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1238	1237	1231	1237	1235	118
15°	1188	1185	1189	1203	1204	335
25°	1089	1090	1107	1132	1141	502
35°	950	953	980	1008	1014	594
45°	776	782	806	822	822	599
55°	581	584	593	595	590	521
65°	376	369	368	354	347	371
75°	177	174	161	140	136	189
85°	32	35	38	40	41	42
90°	0	0	0	0	0	



TEST NUMBER: P297743

CATALOG NUMBER: D3X-WG-35L82765-LD5-UNV-14-T1-W2A-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1242.5	1241.1	1235.2	1241.1	1239.6
5°	1238.1	1236.6	1230.7	1236.6	1235.2
7.5°	1229.3	1227.8	1223.4	1229.3	1229.3
10°	1218.9	1216.0	1213.0	1221.9	1223.4
12.5°	1205.7	1202.7	1202.7	1213.0	1214.5
15°	1187.9	1185.0	1189.4	1202.7	1204.2
17.5°	1167.3	1165.8	1173.2	1189.4	1192.4
20°	1143.7	1142.2	1154.0	1173.2	1177.6
22.5°	1118.6	1118.6	1131.9	1154.0	1159.9
25°	1089.1	1090.5	1106.8	1131.9	1140.7
27.5°	1058.1	1061.0	1080.2	1108.3	1115.6
30°	1024.1	1028.6	1050.7	1077.3	1084.6
32.5°	987.2	991.7	1016.8	1044.8	1052.2
35°	950.4	953.3	979.9	1007.9	1013.8
37.5°	909.0	913.5	941.5	966.6	972.5
40°	867.7	872.1	898.7	922.3	926.7
42.5°	822.0	827.9	854.4	873.6	876.6
45°	776.2	782.1	805.7	822.0	822.0
47.5°	730.5	733.4	754.1	770.3	768.8
50°	686.2	684.7	703.9	711.3	711.3
52.5°	631.6	636.0	649.3	653.7	649.3
55°	581.4	584.4	593.2	594.7	590.3
57.5°	532.7	531.3	538.6	534.2	528.3
60°	479.6	479.6	479.6	475.2	466.3
62.5°	428.0	425.0	423.5	413.2	408.8
65°	376.3	368.9	367.5	354.2	346.8
67.5°	321.7	318.8	311.4	298.1	284.8
70°	270.1	267.1	258.2	242.0	233.2
72.5°	222.8	219.9	208.1	188.9	177.1
75°	177.1	174.1	160.9	140.2	135.8
77.5°	134.3	132.8	119.5	109.2	107.7
80°	97.4	95.9	84.1	84.1	82.6
82.5°	62.0	62.0	59.0	60.5	62.0
85°	32.5	35.4	38.4	39.8	41.3
87.5°	10.3	16.2	19.2	20.7	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)