

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: P296914

Luminaire Tested: **D3X-WD-36L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296914  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-36L92765-LD5-UNV-24-T1-W2A-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3236.0 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

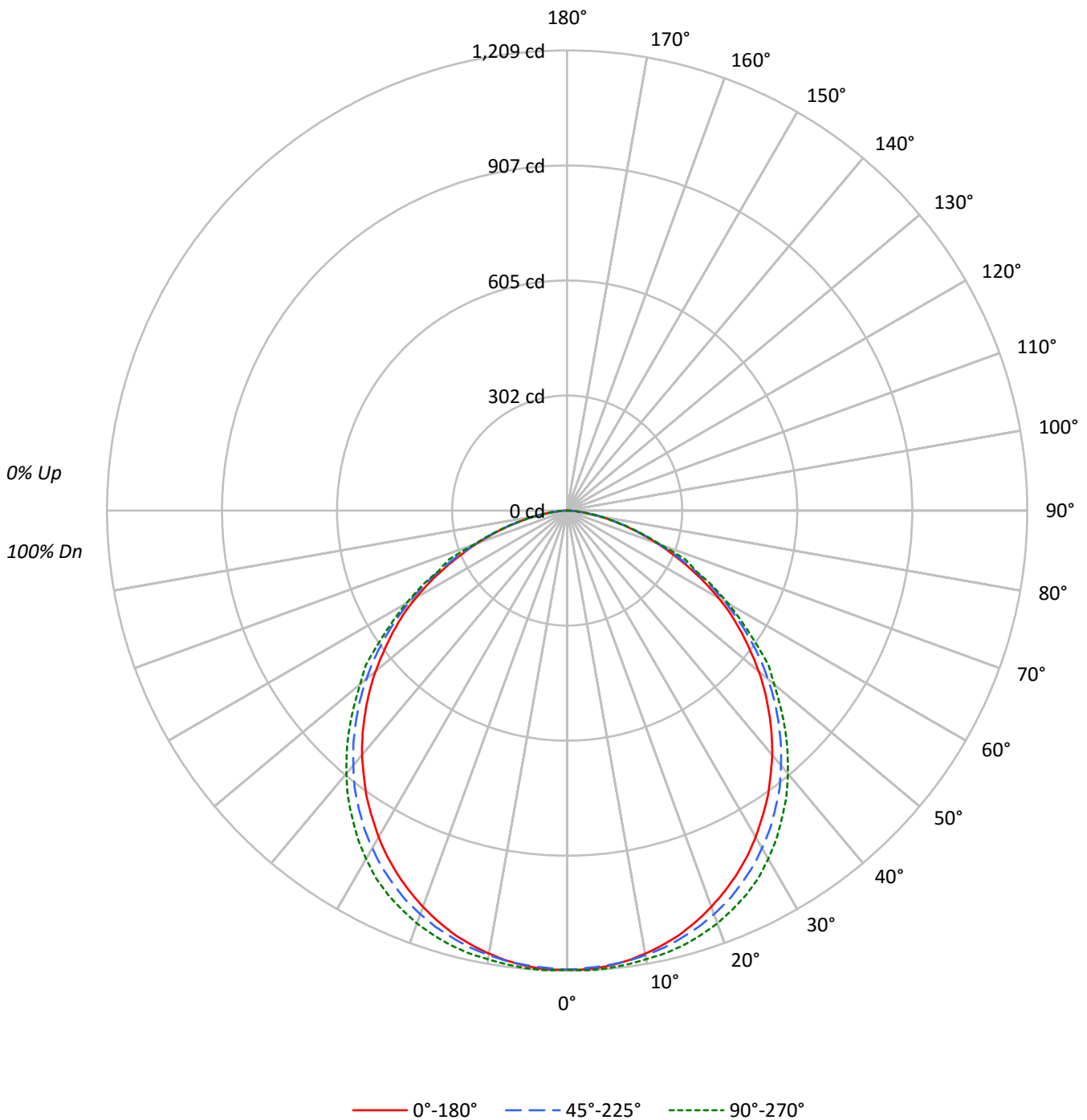
Input Watts (W): 25.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	1623	1623	1623
5°	1623	1620	1631
10°	1615	1620	1636
15°	1604	1619	1646
20°	1586	1616	1652
25°	1565	1606	1653
30°	1539	1591	1642
35°	1509	1568	1617
40°	1472	1536	1585
45°	1427	1494	1540
50°	1376	1441	1485
55°	1313	1373	1414
60°	1237	1284	1315
65°	1124	1161	1183
70°	987	1009	1023
75°	833	845	851
80°	666	675	657
85°	448	466	448



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.3	3.5
10°-20°	328.8	10.2
20°-30°	498.8	15.4
30°-40°	595.6	18.4
40°-50°	602.9	18.6
50°-60°	521.2	16.1
60°-70°	361.2	11.2
70°-80°	174.8	5.4
80°-90°	38.4	1.2
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°	941.9	29.1
0°-40°	1537.5	47.5
0°-60°	2661.6	82.2
0°-90°	3236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3236.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1202	1201	1199	1205	1208	114
15°	1152	1154	1162	1176	1182	325
25°	1054	1061	1082	1104	1114	486
35°	918	926	954	979	985	574
45°	750	760	785	805	809	579
55°	560	565	585	610	603	500
65°	353	356	365	370	372	349
75°	160	161	163	161	164	172
85°	29	31	30	29	29	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1206.4	1205.2	1202.9	1206.4	1208.7
5°	1201.7	1200.6	1199.4	1205.2	1207.5
7.5°	1193.6	1193.6	1194.7	1200.6	1202.9
10°	1182.0	1183.1	1185.5	1194.7	1197.1
12.5°	1168.0	1170.4	1176.2	1186.6	1191.3
15°	1151.8	1154.1	1162.2	1176.2	1182.0
17.5°	1130.9	1135.5	1147.1	1163.4	1169.2
20°	1107.7	1113.5	1128.6	1147.1	1154.1
22.5°	1082.1	1087.9	1107.7	1127.4	1134.4
25°	1054.3	1061.2	1082.1	1104.2	1113.5
27.5°	1024.1	1032.2	1055.4	1078.6	1087.9
30°	990.4	999.7	1024.1	1048.5	1056.6
32.5°	954.4	963.7	991.6	1014.8	1022.9
35°	918.4	926.5	954.4	978.8	984.6
37.5°	877.8	887.1	917.2	938.1	946.3
40°	838.3	847.6	874.3	895.2	902.2
42.5°	795.3	804.6	831.3	851.1	856.9
45°	750.1	760.5	784.9	804.6	809.3
47.5°	704.8	712.9	738.4	755.9	759.3
50°	657.2	665.3	688.5	705.9	709.4
52.5°	607.2	620.0	638.6	651.4	666.5
55°	559.6	565.4	585.2	609.6	602.6
57.5°	512.0	515.5	531.8	542.2	544.5
60°	459.8	464.4	477.2	483.0	488.8
62.5°	405.2	408.7	423.8	429.6	431.9
65°	353.0	356.5	364.6	370.4	371.5
67.5°	299.6	303.0	310.0	314.7	335.6
70°	250.8	253.1	256.6	265.9	260.1
72.5°	204.3	205.5	209.0	209.0	210.2
75°	160.2	161.4	162.6	161.4	163.7
77.5°	119.6	121.9	123.1	121.9	120.8
80°	85.9	88.2	87.1	84.8	84.8
82.5°	55.7	56.9	55.7	54.6	54.6
85°	29.0	31.3	30.2	29.0	29.0
87.5°	10.4	11.6	12.8	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)