

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: P296913

Luminaire Tested: **D3X-WD-36L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296913  
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-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3187.0 lumens  
Efficiency: N/A  
Efficacy: 123.5 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

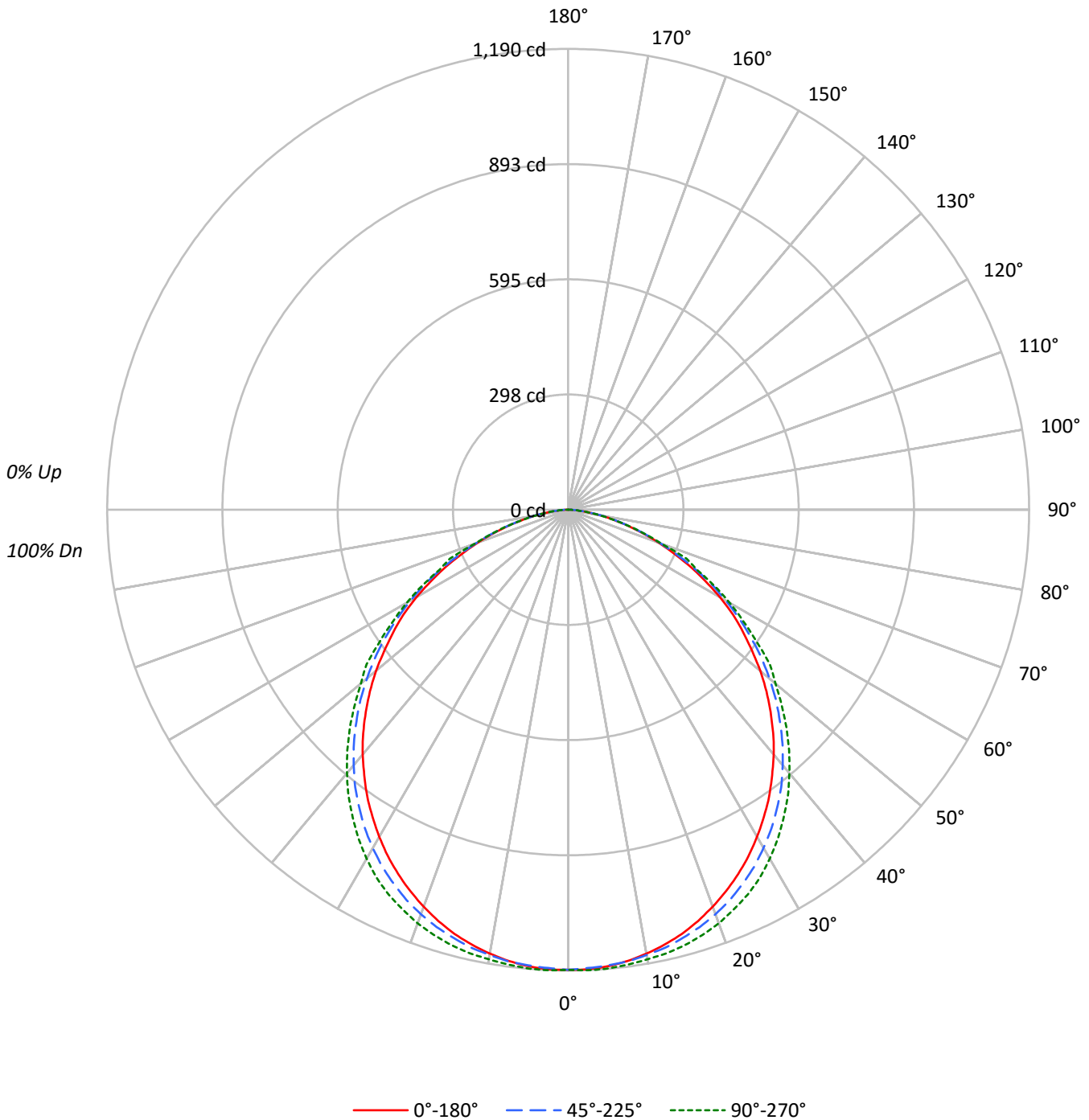
Input Watts (W): 25.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1599	1599	1599
5°	1598	1595	1606
10°	1590	1595	1611
15°	1580	1594	1622
20°	1562	1591	1627
25°	1541	1582	1628
30°	1515	1567	1617
35°	1486	1544	1593
40°	1450	1512	1561
45°	1406	1471	1517
50°	1355	1419	1463
55°	1293	1352	1392
60°	1218	1265	1295
65°	1107	1143	1165
70°	972	994	1007
75°	820	832	838
80°	656	665	647
85°	442	459	442



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.6	3.5
10°-20°	323.8	10.2
20°-30°	491.3	15.4
30°-40°	586.5	18.4
40°-50°	593.8	18.6
50°-60°	513.3	16.1
60°-70°	355.8	11.2
70°-80°	172.1	5.4
80°-90°	37.8	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°	927.7	29.1
0°-40°	1514.2	47.5
0°-60°	2621.3	82.2
0°-90°	3187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3187.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1188	1188	1188	1188	1188	
5°	1184	1182	1181	1187	1189	112
15°	1134	1137	1145	1158	1164	320
25°	1038	1045	1066	1088	1097	478
35°	904	912	940	964	970	565
45°	739	749	773	792	797	570
55°	551	557	576	600	594	493
65°	348	351	359	365	366	344
75°	158	159	160	159	161	169
85°	29	31	30	29	29	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1188.1	1188.1	1188.1	1188.1	1188.1
2.5°	1188.1	1186.9	1184.7	1188.1	1190.4
5°	1183.5	1182.4	1181.2	1186.9	1189.2
7.5°	1175.5	1175.5	1176.7	1182.4	1184.7
10°	1164.1	1165.2	1167.5	1176.7	1178.9
12.5°	1150.4	1152.6	1158.4	1168.7	1173.2
15°	1134.3	1136.6	1144.6	1158.4	1164.1
17.5°	1113.8	1118.3	1129.8	1145.8	1151.5
20°	1090.9	1096.6	1111.5	1129.8	1136.6
22.5°	1065.7	1071.5	1090.9	1110.3	1117.2
25°	1038.3	1045.2	1065.7	1087.5	1096.6
27.5°	1008.6	1016.6	1039.4	1062.3	1071.5
30°	975.4	984.5	1008.6	1032.6	1040.6
32.5°	940.0	949.1	976.5	999.4	1007.4
35°	904.5	912.5	940.0	964.0	969.7
37.5°	864.5	873.6	903.4	923.9	931.9
40°	825.6	834.8	861.1	881.6	888.5
42.5°	783.3	792.4	818.7	838.2	843.9
45°	738.7	749.0	773.0	792.4	797.0
47.5°	694.1	702.1	727.3	744.4	747.8
50°	647.2	655.2	678.1	695.2	698.7
52.5°	598.0	610.6	628.9	641.5	656.4
55°	551.2	556.9	576.3	600.3	593.5
57.5°	504.3	507.7	523.7	534.0	536.3
60°	452.8	457.4	470.0	475.7	481.4
62.5°	399.1	402.5	417.4	423.1	425.4
65°	347.6	351.1	359.1	364.8	365.9
67.5°	295.0	298.5	305.3	309.9	330.5
70°	247.0	249.3	252.7	261.9	256.1
72.5°	201.3	202.4	205.8	205.8	207.0
75°	157.8	158.9	160.1	158.9	161.2
77.5°	117.8	120.1	121.2	120.1	118.9
80°	84.6	86.9	85.8	83.5	83.5
82.5°	54.9	56.0	54.9	53.7	53.7
85°	28.6	30.9	29.7	28.6	28.6
87.5°	10.3	11.4	12.6	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)