

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: P298123

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-4500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3357.0 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

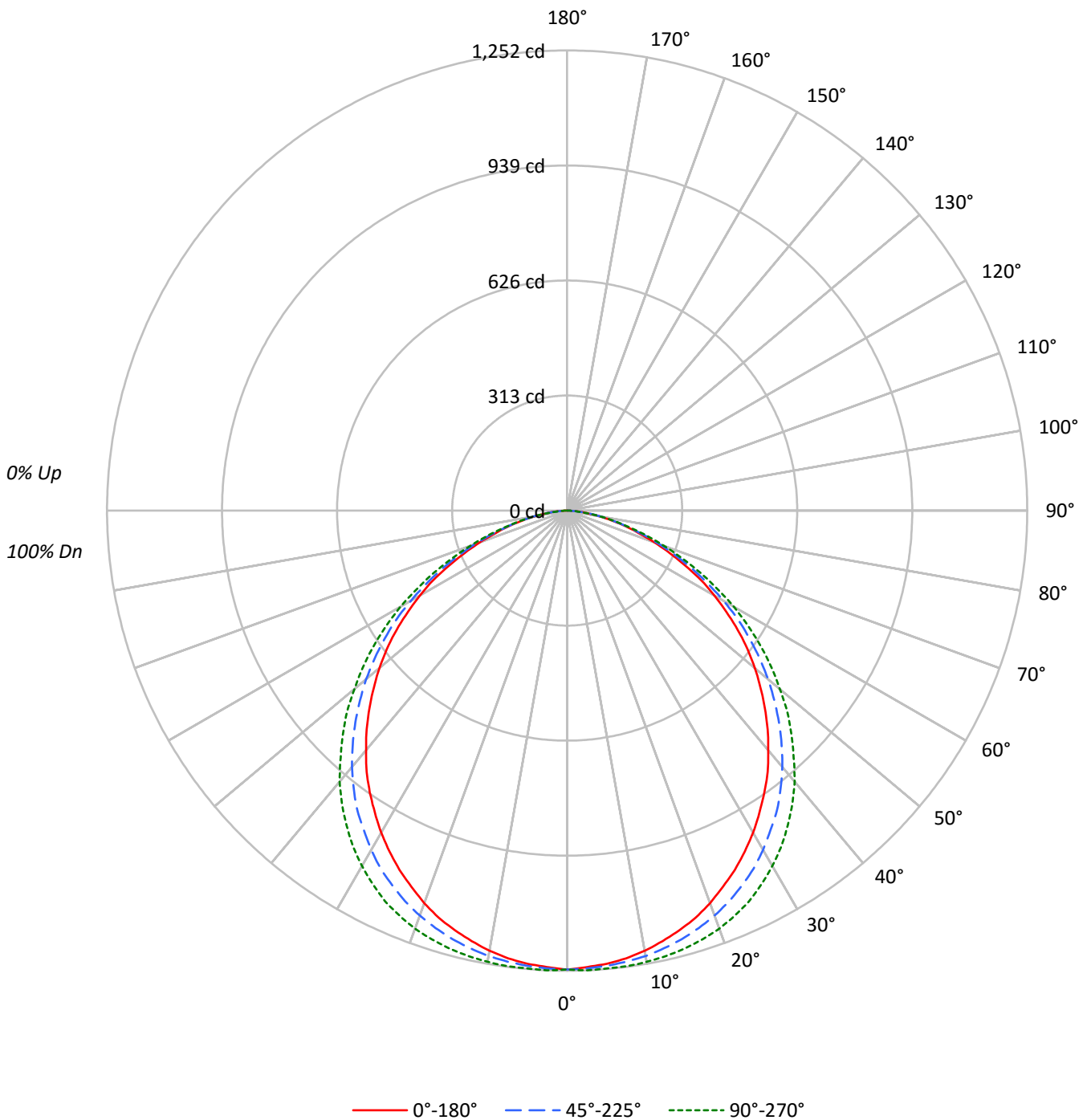
Input Watts (W): 32.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	3360	3360	3360
5°	3344	3358	3378
10°	3323	3362	3407
15°	3292	3363	3438
20°	3255	3358	3467
25°	3203	3342	3482
30°	3144	3313	3470
35°	3075	3271	3437
40°	2990	3199	3383
45°	2895	3101	3287
50°	2792	2988	3162
55°	2662	2840	3018
60°	2490	2645	2820
65°	2255	2393	2543
70°	1991	2090	2204
75°	1709	1747	1823
80°	1371	1399	1429
85°	1003	892	892



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.3	3.5
10°-20°	340.8	10.2
20°-30°	518.4	15.4
30°-40°	620.3	18.5
40°-50°	627.1	18.7
50°-60°	539.6	16.1
60°-70°	372.6	11.1
70°-80°	180.7	5.4
80°-90°	39.2	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°	977.6	29.1
0°-40°	1597.9	47.6
0°-60°	2764.6	82.4
0°-90°	3357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3357.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1238	1240	1243	1249	1250	117
15°	1182	1189	1207	1225	1234	333
25°	1079	1091	1126	1160	1173	497
35°	936	952	996	1032	1046	585
45°	761	775	815	849	864	587
55°	567	576	605	632	643	506
65°	354	360	376	392	399	352
75°	164	161	168	174	175	175
85°	32	32	29	29	29	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1248.6	1248.6	1248.6	1248.6	1248.6
2.5°	1243.2	1243.2	1246.8	1250.4	1252.2
5°	1237.8	1239.6	1243.2	1248.6	1250.4
7.5°	1228.7	1230.5	1237.8	1246.8	1250.4
10°	1216.1	1219.7	1230.5	1241.4	1246.8
12.5°	1199.8	1207.0	1219.7	1234.2	1241.4
15°	1181.7	1189.0	1207.0	1225.1	1234.2
17.5°	1161.9	1169.1	1190.8	1214.3	1223.3
20°	1136.6	1147.4	1172.7	1199.8	1210.7
22.5°	1107.7	1122.1	1151.0	1179.9	1192.6
25°	1078.8	1091.4	1125.7	1160.1	1172.7
27.5°	1046.2	1060.7	1098.6	1133.0	1145.6
30°	1011.9	1026.4	1066.1	1104.1	1116.7
32.5°	973.9	992.0	1030.0	1069.7	1084.2
35°	936.0	952.3	995.6	1031.8	1046.2
37.5°	896.3	910.7	954.1	992.0	1006.5
40°	851.1	867.3	910.7	948.7	963.1
42.5°	807.7	824.0	863.7	899.9	912.5
45°	760.7	775.2	814.9	849.3	863.7
47.5°	713.7	730.0	764.3	798.7	813.1
50°	666.8	679.4	713.7	746.3	755.3
52.5°	618.0	628.8	659.5	688.5	701.1
55°	567.4	576.4	605.3	632.4	643.3
57.5°	513.2	524.0	551.1	571.0	583.6
60°	462.6	468.0	491.5	511.4	524.0
62.5°	412.0	413.8	431.9	451.7	459.0
65°	354.2	359.6	375.8	392.1	399.3
67.5°	301.8	307.2	319.8	332.5	337.9
70°	253.0	253.0	265.6	274.7	280.1
72.5°	204.2	206.0	215.0	220.4	225.9
75°	164.4	160.8	168.0	173.5	175.3
77.5°	122.9	121.1	126.5	128.3	131.9
80°	88.5	88.5	90.3	92.2	92.2
82.5°	57.8	57.8	59.6	56.0	54.2
85°	32.5	32.5	28.9	28.9	28.9
87.5°	10.8	10.8	10.8	12.6	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)