

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: P298452

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298452  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L92765-LD5-UNV-22-T1-W2A-5500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3323.0 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

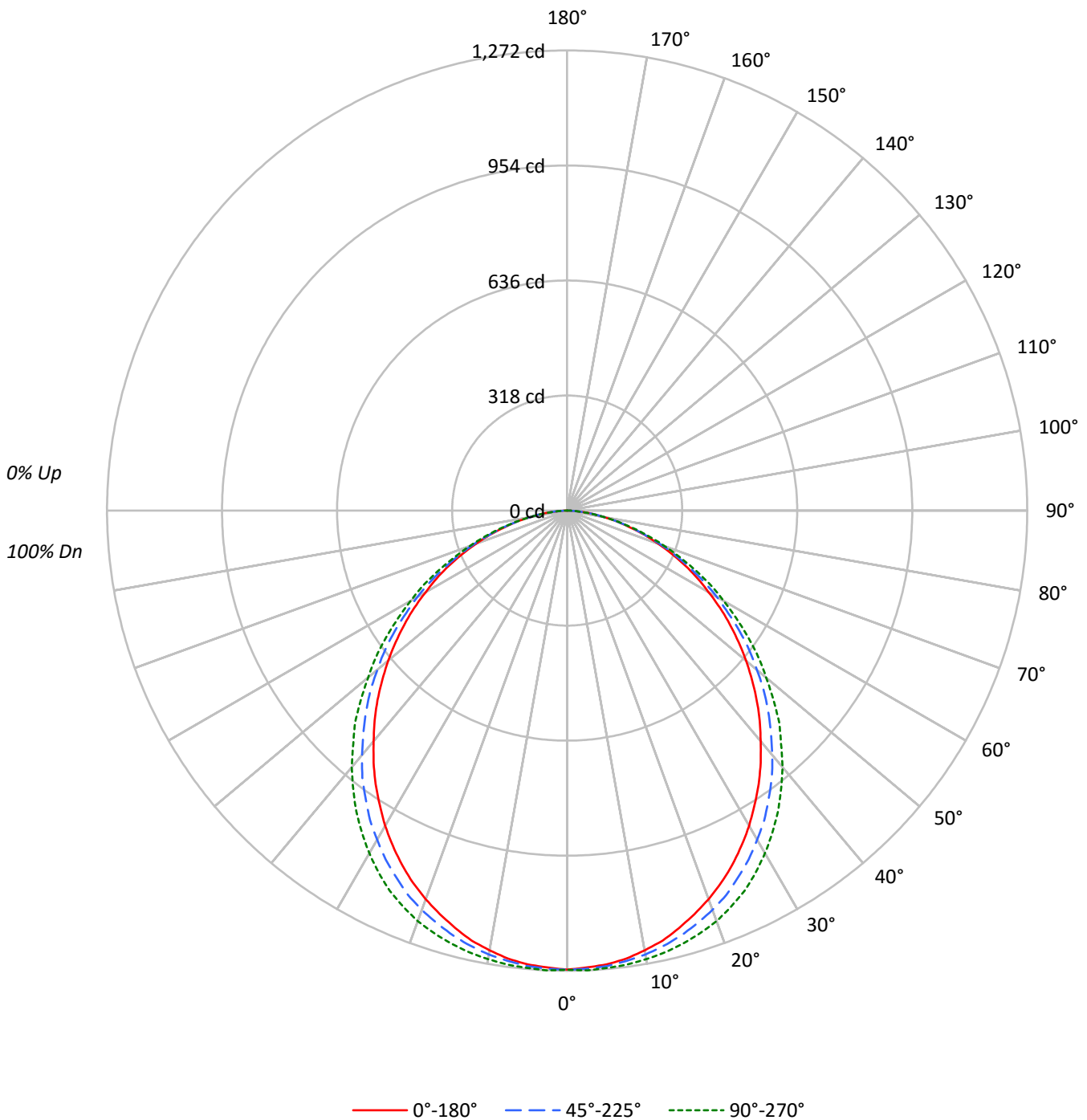
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	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°	3415	3415	3415
5°	3401	3415	3428
10°	3373	3404	3440
15°	3328	3388	3452
20°	3274	3364	3459
25°	3208	3321	3444
30°	3126	3265	3398
35°	3033	3190	3337
40°	2923	3098	3255
45°	2821	2991	3154
50°	2701	2868	3006
55°	2577	2732	2864
60°	2431	2574	2689
65°	2297	2381	2497
70°	2109	2174	2252
75°	1875	1927	1979
80°	1615	1590	1590
85°	1226	1124	1022



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.1	3.6
10°-20°	343.1	10.3
20°-30°	515.2	15.5
30°-40°	606.3	18.2
40°-50°	604.8	18.2
50°-60°	519.0	15.6
60°-70°	371.7	11.2
70°-80°	196.8	5.9
80°-90°	46.0	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°	978.4	29.4
0°-40°	1584.7	47.7
0°-60°	2708.4	81.5
0°-90°	3323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3323.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1269	1269	1269	1269	1269	
5°	1259	1259	1264	1267	1269	119
15°	1195	1200	1216	1233	1239	337
25°	1080	1090	1118	1147	1160	497
35°	923	935	971	1004	1016	577
45°	741	753	786	814	829	571
55°	549	558	582	602	610	491
65°	361	362	374	389	392	356
75°	180	180	185	189	190	193
85°	40	38	36	33	33	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1269.0	1269.0	1269.0	1269.0	1269.0
2.5°	1264.1	1264.1	1267.4	1270.7	1272.3
5°	1259.1	1259.1	1264.1	1267.4	1269.0
7.5°	1249.2	1249.2	1255.8	1262.4	1265.7
10°	1234.3	1237.6	1245.9	1255.8	1259.1
12.5°	1217.7	1221.0	1232.6	1245.9	1250.8
15°	1194.6	1199.5	1216.1	1232.6	1239.2
17.5°	1169.8	1176.4	1196.2	1216.1	1224.4
20°	1143.3	1149.9	1174.7	1197.9	1207.8
22.5°	1113.5	1121.8	1149.9	1174.7	1184.6
25°	1080.4	1090.3	1118.5	1146.6	1159.8
27.5°	1044.0	1055.6	1087.0	1116.8	1128.4
30°	1006.0	1019.2	1050.6	1082.1	1093.6
32.5°	964.6	976.2	1014.2	1044.0	1055.6
35°	923.2	934.8	971.2	1004.3	1015.9
37.5°	878.6	893.4	929.8	959.6	971.2
40°	832.2	847.1	881.9	916.6	926.5
42.5°	787.6	800.8	833.9	865.3	875.2
45°	741.2	752.8	785.9	814.0	828.9
47.5°	693.2	704.8	737.9	764.4	772.7
50°	645.3	656.8	685.0	708.1	718.1
52.5°	597.3	608.9	635.3	656.8	666.8
55°	549.3	557.6	582.4	602.2	610.5
57.5°	501.3	507.9	527.8	549.3	554.3
60°	451.7	460.0	478.2	493.0	499.7
62.5°	407.0	410.3	426.9	440.1	448.4
65°	360.7	362.3	373.9	388.8	392.1
67.5°	312.7	314.4	325.9	334.2	337.5
70°	268.0	268.0	276.3	282.9	286.2
72.5°	225.0	223.4	228.3	234.9	238.3
75°	180.3	180.3	185.3	188.6	190.3
77.5°	142.3	139.0	142.3	145.6	145.6
80°	104.2	102.6	102.6	104.2	102.6
82.5°	71.1	69.5	71.1	67.8	66.2
85°	39.7	38.1	36.4	33.1	33.1
87.5°	13.2	11.6	11.6	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)