

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: P298198

Luminaire Tested: **D3X-WG-35L82765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
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-22-T1-W2A-4500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3374.0 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

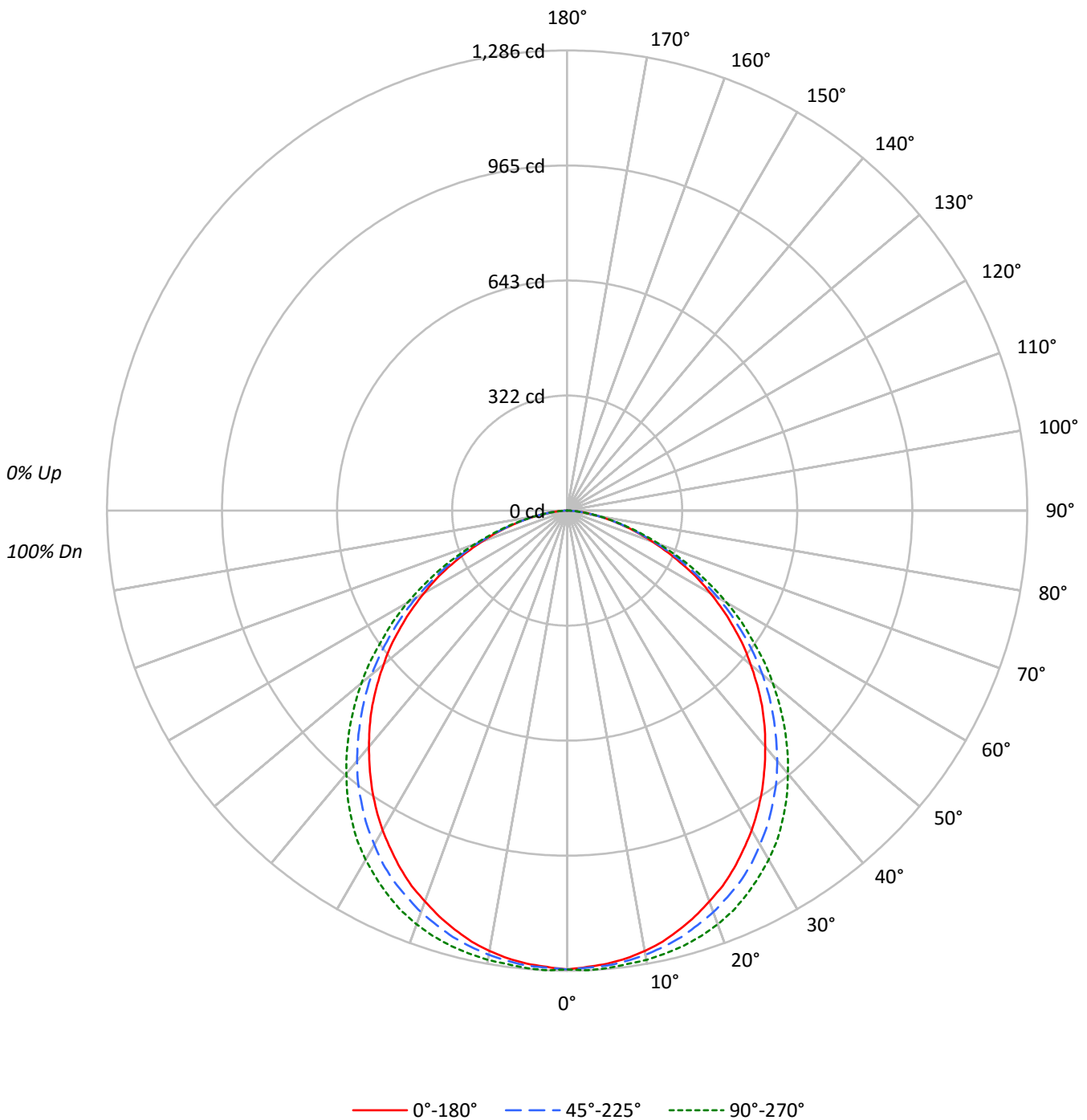
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28					28			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3450	3450	3450
5°	3435	3449	3468
10°	3416	3445	3484
15°	3378	3437	3507
20°	3328	3420	3523
25°	3275	3398	3520
30°	3205	3350	3500
35°	3124	3288	3453
40°	3026	3208	3372
45°	2930	3101	3271
50°	2804	2984	3141
55°	2663	2814	2966
60°	2486	2622	2775
65°	2269	2372	2509
70°	1987	2071	2156
75°	1695	1731	1806
80°	1359	1387	1415
85°	994	939	886



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.4	3.6
10°-20°	348.3	10.3
20°-30°	526.6	15.6
30°-40°	625.5	18.5
40°-50°	627.9	18.6
50°-60°	536.4	15.9
60°-70°	369.5	11.0
70°-80°	179.2	5.3
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°	996.3	29.5
0°-40°	1621.8	48.1
0°-60°	2786.1	82.6
0°-90°	3374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3374.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1272	1272	1277	1280	1284	121
15°	1212	1218	1234	1250	1259	342
25°	1103	1112	1144	1175	1186	508
35°	951	965	1001	1039	1051	594
45°	770	781	815	849	860	593
55°	568	577	600	625	632	508
65°	356	356	372	389	394	353
75°	163	159	166	170	174	175
85°	32	32	30	29	29	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1282.2	1282.2	1282.2	1282.2	1282.2
2.5°	1276.8	1276.8	1278.6	1284.0	1285.8
5°	1271.5	1271.5	1276.8	1280.4	1284.0
7.5°	1262.5	1264.3	1269.7	1276.8	1278.6
10°	1250.0	1251.8	1260.7	1269.7	1275.0
12.5°	1233.8	1237.4	1248.2	1262.5	1267.9
15°	1212.4	1217.7	1233.8	1250.0	1258.9
17.5°	1189.1	1196.2	1214.1	1237.4	1246.4
20°	1162.2	1171.2	1194.4	1219.5	1230.3
22.5°	1135.4	1142.5	1169.4	1198.0	1210.6
25°	1103.1	1112.1	1144.3	1174.8	1185.5
27.5°	1067.3	1079.8	1113.9	1146.1	1156.8
30°	1031.5	1042.2	1078.0	1113.9	1126.4
32.5°	992.1	1002.8	1042.2	1078.0	1092.4
35°	950.9	965.2	1001.0	1038.7	1051.2
37.5°	906.1	922.3	959.9	992.1	1008.2
40°	861.4	875.7	913.3	947.3	959.9
42.5°	816.6	829.1	864.9	900.8	911.5
45°	770.0	780.8	814.8	848.8	859.6
47.5°	719.9	732.4	764.7	793.3	805.9
50°	669.8	682.3	712.7	739.6	750.3
52.5°	621.4	628.6	657.2	682.3	694.8
55°	567.7	576.6	599.9	625.0	632.1
57.5°	515.7	521.1	544.4	565.9	576.6
60°	462.0	465.6	487.1	503.2	515.7
62.5°	411.9	411.9	428.0	445.9	453.1
65°	356.4	356.4	372.5	388.6	394.0
67.5°	302.6	306.2	317.0	329.5	333.1
70°	252.5	252.5	263.2	272.2	274.0
72.5°	207.7	205.9	211.3	218.5	222.1
75°	163.0	159.4	166.5	170.1	173.7
77.5°	123.6	121.8	125.4	128.9	128.9
80°	87.7	86.0	89.5	89.5	91.3
82.5°	57.3	59.1	59.1	57.3	55.5
85°	32.2	32.2	30.4	28.7	28.7
87.5°	10.7	10.7	10.7	12.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)