

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: P298034

Luminaire Tested: **D3X-WD-35L82765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298034  
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-35L82765-LD5-UNV-22-T1-W2A-6500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3424.0 lumens  
Efficiency: N/A  
Efficacy: 117.7 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

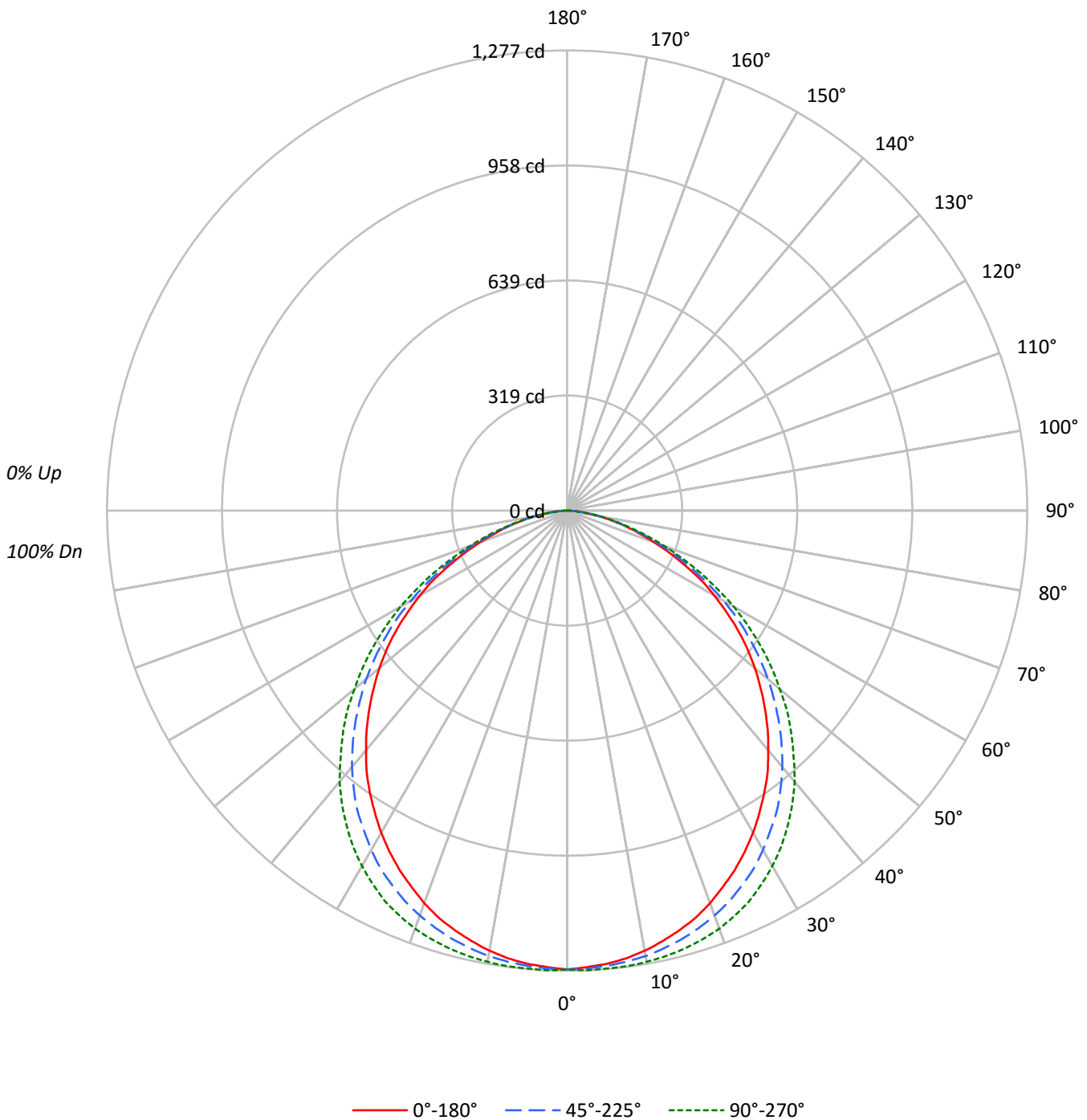
Input Watts (W): 29.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3427	3427	3427
5°	3410	3425	3445
10°	3389	3430	3475
15°	3358	3430	3507
20°	3320	3425	3536
25°	3267	3409	3551
30°	3207	3379	3539
35°	3136	3336	3506
40°	3049	3263	3451
45°	2953	3163	3353
50°	2847	3048	3225
55°	2715	2897	3078
60°	2539	2698	2877
65°	2300	2441	2593
70°	2030	2131	2248
75°	1744	1782	1859
80°	1399	1429	1457
85°	1025	911	911



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.7	3.5
10°-20°	347.7	10.2
20°-30°	528.8	15.4
30°-40°	632.7	18.5
40°-50°	639.6	18.7
50°-60°	550.4	16.1
60°-70°	380.0	11.1
70°-80°	184.3	5.4
80°-90°	40.0	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°	997.1	29.1
0°-40°	1629.8	47.6
0°-60°	2819.8	82.4
0°-90°	3424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3424.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1262	1264	1268	1274	1275	120
15°	1205	1213	1231	1250	1259	340
25°	1100	1113	1148	1183	1196	507
35°	955	971	1016	1052	1067	597
45°	776	791	831	866	881	599
55°	579	588	617	645	656	516
65°	361	367	383	400	407	359
75°	168	164	171	177	179	178
85°	33	33	30	30	30	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1273.5	1273.5	1273.5	1273.5	1273.5
2.5°	1268.0	1268.0	1271.7	1275.4	1277.2
5°	1262.5	1264.3	1268.0	1273.5	1275.4
7.5°	1253.3	1255.1	1262.5	1271.7	1275.4
10°	1240.4	1244.0	1255.1	1266.2	1271.7
12.5°	1223.8	1231.1	1244.0	1258.8	1266.2
15°	1205.3	1212.7	1231.1	1249.6	1258.8
17.5°	1185.1	1192.4	1214.6	1238.5	1247.7
20°	1159.3	1170.3	1196.1	1223.8	1234.8
22.5°	1129.8	1144.5	1174.0	1203.5	1216.4
25°	1100.3	1113.2	1148.2	1183.2	1196.1
27.5°	1067.1	1081.9	1120.6	1155.6	1168.5
30°	1032.1	1046.8	1087.4	1126.1	1139.0
32.5°	993.4	1011.8	1050.5	1091.1	1105.8
35°	954.7	971.3	1015.5	1052.4	1067.1
37.5°	914.1	928.9	973.1	1011.8	1026.6
40°	868.1	884.6	928.9	967.6	982.3
42.5°	823.8	840.4	881.0	917.8	930.7
45°	775.9	790.7	831.2	866.2	881.0
47.5°	728.0	744.6	779.6	814.6	829.4
50°	680.1	693.0	728.0	761.2	770.4
52.5°	630.3	641.4	672.7	702.2	715.1
55°	578.7	587.9	617.4	645.1	656.1
57.5°	523.4	534.5	562.1	582.4	595.3
60°	471.8	477.3	501.3	521.6	534.5
62.5°	420.2	422.1	440.5	460.8	468.1
65°	361.2	366.8	383.3	399.9	407.3
67.5°	307.8	313.3	326.2	339.1	344.6
70°	258.0	258.0	270.9	280.1	285.7
72.5°	208.3	210.1	219.3	224.8	230.4
75°	167.7	164.0	171.4	176.9	178.8
77.5°	125.3	123.5	129.0	130.9	134.5
80°	90.3	90.3	92.2	94.0	94.0
82.5°	59.0	59.0	60.8	57.1	55.3
85°	33.2	33.2	29.5	29.5	29.5
87.5°	11.1	11.1	11.1	12.9	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)