

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: P298367

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298367  
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-35L82765-LD5-UNV-22-T1-W2A-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3645.0 lumens  
Efficiency: N/A  
Efficacy: 127.4 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

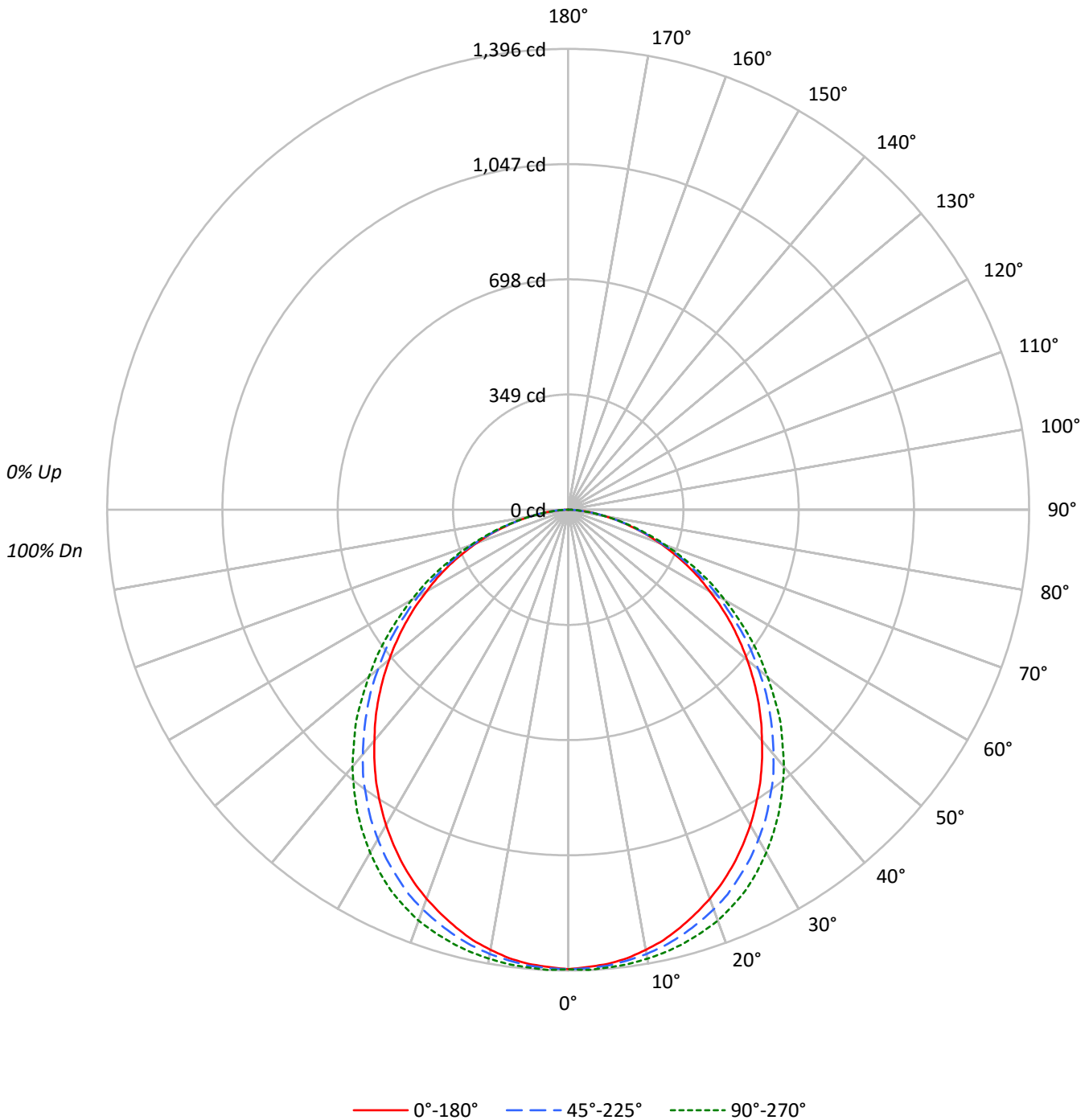
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3746	3746	3746
5°	3731	3745	3760
10°	3700	3734	3774
15°	3650	3716	3787
20°	3591	3690	3794
25°	3519	3643	3777
30°	3429	3581	3727
35°	3327	3500	3661
40°	3207	3398	3570
45°	3094	3281	3460
50°	2963	3145	3297
55°	2827	2997	3142
60°	2667	2823	2950
65°	2519	2612	2739
70°	2313	2385	2471
75°	2057	2114	2170
80°	1771	1743	1743
85°	1346	1232	1121



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.7	3.6
10°-20°	376.4	10.3
20°-30°	565.1	15.5
30°-40°	665.1	18.2
40°-50°	663.4	18.2
50°-60°	569.3	15.6
60°-70°	407.7	11.2
70°-80°	215.9	5.9
80°-90°	50.5	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°	1073.2	29.4
0°-40°	1738.2	47.7
0°-60°	2970.9	81.5
0°-90°	3645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3645.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1392	1392	1392	1392	1392	
5°	1381	1381	1386	1390	1392	131
15°	1310	1316	1334	1352	1359	369
25°	1185	1196	1227	1258	1272	545
35°	1013	1025	1065	1102	1114	633
45°	813	826	862	893	909	627
55°	602	612	639	661	670	539
65°	396	398	410	426	430	391
75°	198	198	203	207	209	212
85°	44	42	40	36	36	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1392.0	1392.0	1392.0	1392.0	1392.0
2.5°	1386.5	1386.5	1390.2	1393.8	1395.6
5°	1381.1	1381.1	1386.5	1390.2	1392.0
7.5°	1370.2	1370.2	1377.5	1384.7	1388.4
10°	1353.9	1357.5	1366.6	1377.5	1381.1
12.5°	1335.7	1339.4	1352.1	1366.6	1372.0
15°	1310.3	1315.8	1333.9	1352.1	1359.3
17.5°	1283.1	1290.4	1312.1	1333.9	1343.0
20°	1254.1	1261.3	1288.5	1314.0	1324.8
22.5°	1221.4	1230.5	1261.3	1288.5	1299.4
25°	1185.1	1196.0	1226.8	1257.7	1272.2
27.5°	1145.2	1157.9	1192.4	1225.0	1237.7
30°	1103.4	1117.9	1152.4	1186.9	1199.6
32.5°	1058.1	1070.8	1112.5	1145.2	1157.9
35°	1012.7	1025.4	1065.3	1101.6	1114.3
37.5°	963.7	980.0	1019.9	1052.6	1065.3
40°	912.9	929.2	967.3	1005.4	1016.3
42.5°	863.9	878.4	914.7	949.2	960.1
45°	813.1	825.8	862.1	892.9	909.2
47.5°	760.4	773.1	809.4	838.5	847.5
50°	707.8	720.5	751.3	776.8	787.6
52.5°	655.2	667.9	696.9	720.5	731.4
55°	602.5	611.6	638.8	660.6	669.7
57.5°	549.9	557.2	578.9	602.5	608.0
60°	495.5	504.5	524.5	540.8	548.1
62.5°	446.5	450.1	468.2	482.8	491.8
65°	395.6	397.5	410.2	426.5	430.1
67.5°	343.0	344.8	357.5	366.6	370.2
70°	294.0	294.0	303.1	310.3	314.0
72.5°	246.8	245.0	250.4	257.7	261.3
75°	197.8	197.8	203.3	206.9	208.7
77.5°	156.1	152.4	156.1	159.7	159.7
80°	114.3	112.5	112.5	114.3	112.5
82.5°	78.0	76.2	78.0	74.4	72.6
85°	43.6	41.7	39.9	36.3	36.3
87.5°	14.5	12.7	12.7	14.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)