

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: P298451

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298451  
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-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3272.0 lumens  
Efficiency: N/A  
Efficacy: 114.4 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

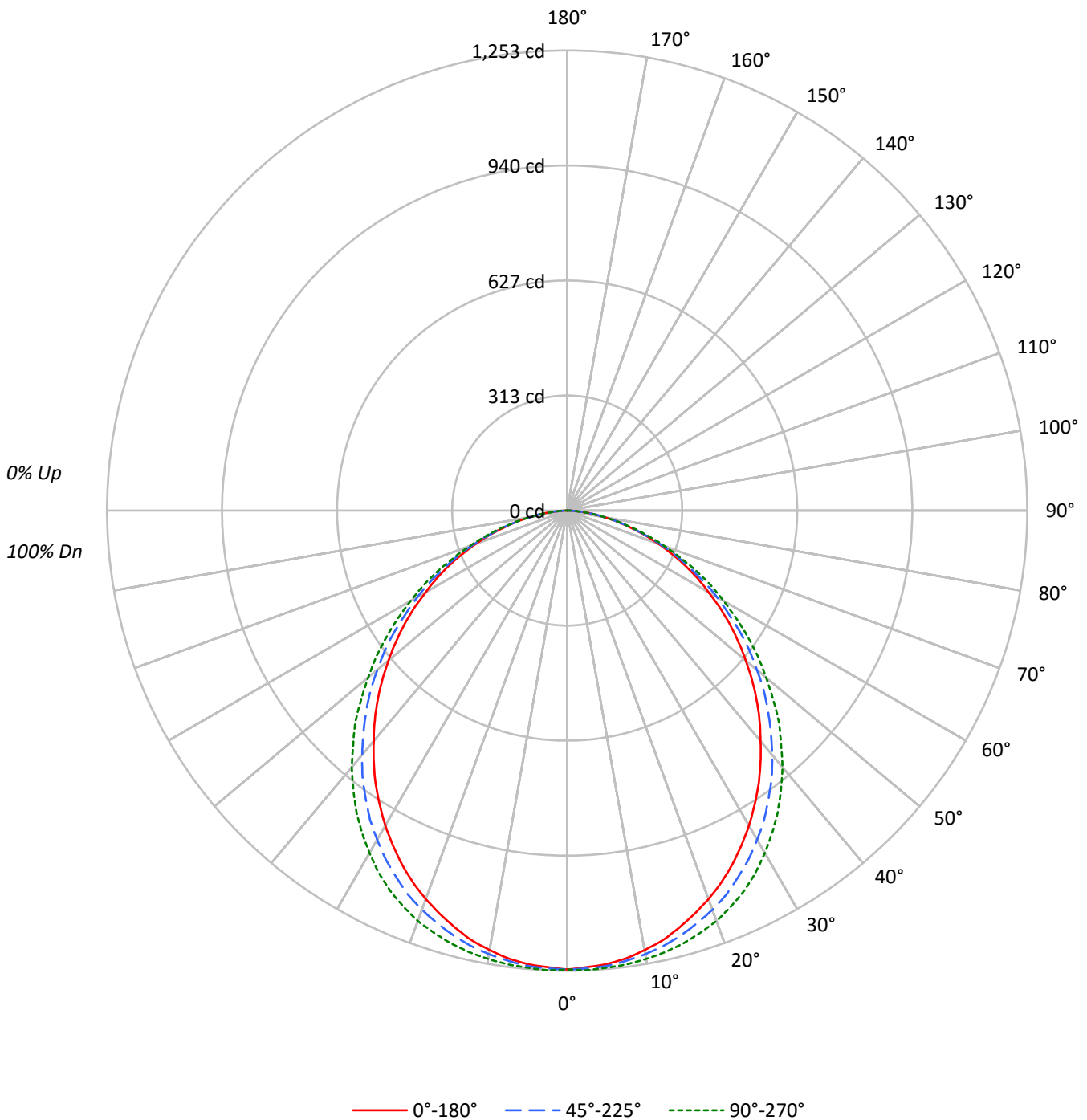
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3362	3362	3362
5°	3349	3362	3375
10°	3321	3352	3388
15°	3277	3336	3399
20°	3224	3312	3406
25°	3159	3270	3391
30°	3078	3214	3346
35°	2986	3142	3286
40°	2879	3050	3205
45°	2778	2945	3106
50°	2660	2824	2960
55°	2538	2691	2821
60°	2394	2534	2648
65°	2262	2344	2458
70°	2076	2141	2217
75°	1847	1897	1948
80°	1590	1565	1565
85°	1207	1105	1007



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.2	3.6
10°-20°	337.9	10.3
20°-30°	507.3	15.5
30°-40°	597.0	18.2
40°-50°	595.5	18.2
50°-60°	511.0	15.6
60°-70°	366.0	11.2
70°-80°	193.8	5.9
80°-90°	45.3	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°	963.3	29.4
0°-40°	1560.4	47.7
0°-60°	2666.9	81.5
0°-90°	3272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3272.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1250	1250	1250	1250	1250	
5°	1240	1240	1245	1248	1250	118
15°	1176	1181	1197	1214	1220	332
25°	1064	1074	1101	1129	1142	490
35°	909	920	956	989	1000	568
45°	730	741	774	802	816	563
55°	541	549	574	593	601	483
65°	355	357	368	383	386	351
75°	178	178	182	186	187	190
85°	39	38	36	33	33	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1249.5	1249.5	1249.5	1249.5	1249.5
2.5°	1244.7	1244.7	1247.9	1251.2	1252.8
5°	1239.8	1239.8	1244.7	1247.9	1249.5
7.5°	1230.0	1230.0	1236.5	1243.0	1246.3
10°	1215.3	1218.6	1226.7	1236.5	1239.8
12.5°	1199.0	1202.3	1213.7	1226.7	1231.6
15°	1176.2	1181.1	1197.4	1213.7	1220.2
17.5°	1151.8	1158.3	1177.9	1197.4	1205.6
20°	1125.7	1132.2	1156.7	1179.5	1189.3
22.5°	1096.4	1104.6	1132.2	1156.7	1166.5
25°	1063.8	1073.6	1101.3	1129.0	1142.0
27.5°	1028.0	1039.4	1070.3	1099.7	1111.1
30°	990.5	1003.5	1034.5	1065.5	1076.9
32.5°	949.8	961.2	998.7	1028.0	1039.4
35°	909.1	920.5	956.3	988.9	1000.3
37.5°	865.1	879.7	915.6	944.9	956.3
40°	819.5	834.1	868.3	902.5	912.3
42.5°	775.5	788.5	821.1	852.0	861.8
45°	729.9	741.3	773.8	801.5	816.2
47.5°	682.6	694.0	726.6	752.7	760.8
50°	635.4	646.8	674.5	697.3	707.0
52.5°	588.1	599.5	625.6	646.8	656.5
55°	540.9	549.0	573.5	593.0	601.2
57.5°	493.6	500.1	519.7	540.9	545.8
60°	444.8	452.9	470.8	485.5	492.0
62.5°	400.8	404.0	420.3	433.4	441.5
65°	355.2	356.8	368.2	382.8	386.1
67.5°	307.9	309.5	320.9	329.1	332.3
70°	263.9	263.9	272.1	278.6	281.8
72.5°	221.6	219.9	224.8	231.3	234.6
75°	177.6	177.6	182.5	185.7	187.4
77.5°	140.1	136.8	140.1	143.4	143.4
80°	102.6	101.0	101.0	102.6	101.0
82.5°	70.1	68.4	70.1	66.8	65.2
85°	39.1	37.5	35.8	32.6	32.6
87.5°	13.0	11.4	11.4	13.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)