

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: P298298

Luminaire Tested: **D3X-WG-44L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298298
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-44L92765-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3520.0 lumens
Efficiency: N/A
Efficacy: 98.6 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

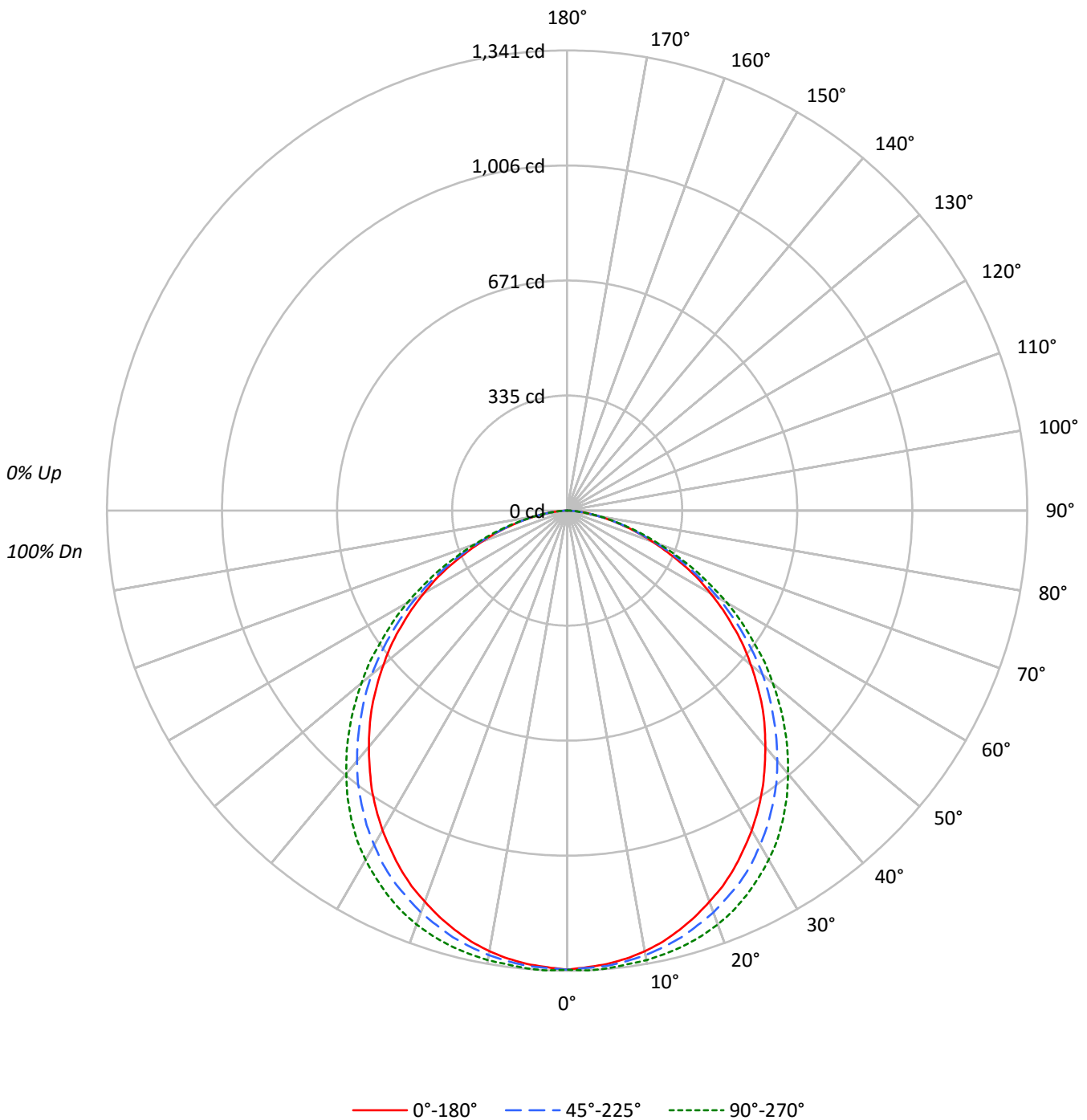
Input Watts (W): 35.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3600	3600	3600
5°	3583	3598	3618
10°	3563	3594	3635
15°	3524	3586	3659
20°	3472	3568	3676
25°	3417	3545	3672
30°	3344	3495	3651
35°	3259	3431	3603
40°	3157	3347	3518
45°	3057	3235	3413
50°	2925	3113	3277
55°	2778	2936	3094
60°	2594	2735	2896
65°	2367	2474	2617
70°	2072	2161	2249
75°	1768	1806	1884
80°	1418	1447	1477
85°	1037	982	923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.6	3.6
10°-20°	363.4	10.3
20°-30°	549.4	15.6
30°-40°	652.5	18.5
40°-50°	655.1	18.6
50°-60°	559.6	15.9
60°-70°	385.5	11.0
70°-80°	186.9	5.3
80°-90°	40.9	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°	1039.4	29.5
0°-40°	1691.9	48.1
0°-60°	2906.7	82.6
0°-90°	3520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1338	1338	1338	1338	1338	
5°	1326	1326	1332	1336	1340	126
15°	1265	1270	1287	1304	1313	357
25°	1151	1160	1194	1226	1237	530
35°	992	1007	1044	1084	1097	620
45°	803	815	850	886	897	618
55°	592	602	626	652	660	529
65°	372	372	389	405	411	368
75°	170	166	174	178	181	183
85°	34	34	32	30	30	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1337.7	1337.7	1337.7	1337.7	1337.7
2.5°	1332.1	1332.1	1333.9	1339.5	1341.4
5°	1326.5	1326.5	1332.1	1335.8	1339.5
7.5°	1317.1	1319.0	1324.6	1332.1	1333.9
10°	1304.1	1305.9	1315.3	1324.6	1330.2
12.5°	1287.2	1291.0	1302.2	1317.1	1322.7
15°	1264.8	1270.4	1287.2	1304.1	1313.4
17.5°	1240.5	1248.0	1266.7	1291.0	1300.3
20°	1212.5	1221.8	1246.1	1272.3	1283.5
22.5°	1184.5	1192.0	1220.0	1249.9	1262.9
25°	1150.9	1160.2	1193.8	1225.6	1236.8
27.5°	1113.5	1126.6	1162.1	1195.7	1206.9
30°	1076.1	1087.3	1124.7	1162.1	1175.1
32.5°	1035.0	1046.2	1087.3	1124.7	1139.6
35°	992.1	1007.0	1044.4	1083.6	1096.7
37.5°	945.3	962.2	1001.4	1035.0	1051.8
40°	898.6	913.6	952.8	988.3	1001.4
42.5°	851.9	865.0	902.4	939.7	950.9
45°	803.4	814.6	850.1	885.6	896.8
47.5°	751.0	764.1	797.8	827.6	840.7
50°	698.7	711.8	743.6	771.6	782.8
52.5°	648.3	655.8	685.7	711.8	724.9
55°	592.2	601.6	625.9	652.0	659.5
57.5°	538.1	543.7	568.0	590.4	601.6
60°	482.0	485.7	508.2	525.0	538.1
62.5°	429.7	429.7	446.5	465.2	472.7
65°	371.8	371.8	388.6	405.4	411.0
67.5°	315.7	319.5	330.7	343.8	347.5
70°	263.4	263.4	274.6	284.0	285.8
72.5°	216.7	214.9	220.5	227.9	231.7
75°	170.0	166.3	173.7	177.5	181.2
77.5°	128.9	127.0	130.8	134.5	134.5
80°	91.5	89.7	93.4	93.4	95.3
82.5°	59.8	61.7	61.7	59.8	57.9
85°	33.6	33.6	31.8	29.9	29.9
87.5°	11.2	11.2	11.2	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)