

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: P297968

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-40L92765-LD5-UNV-14-T1-W2A-6500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3850.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

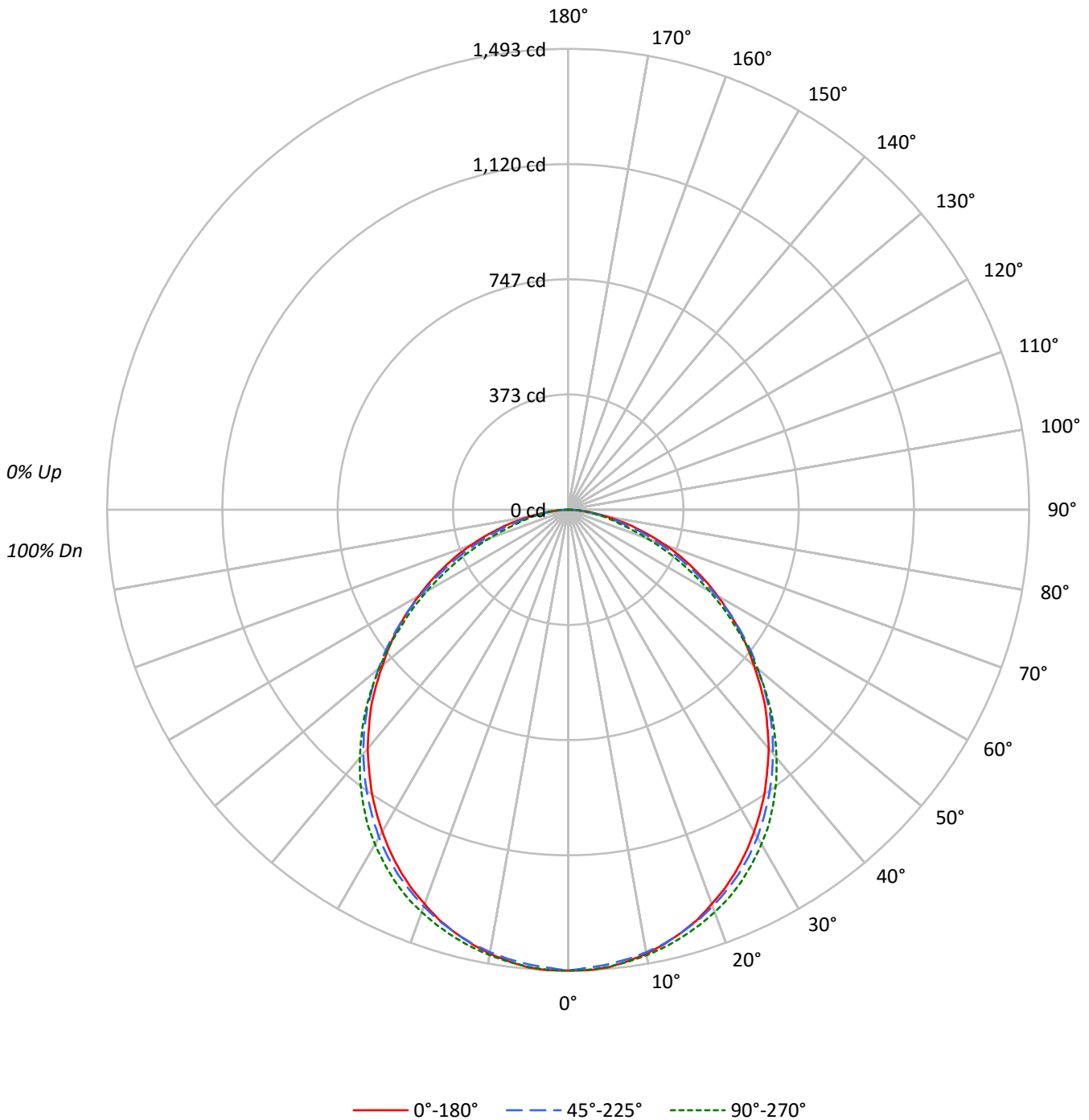
Input Watts (W): 41.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	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	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4018	4018	4018
5°	4021	3994	4016
10°	3991	3978	4004
15°	3951	3951	3992
20°	3893	3916	3972
25°	3828	3872	3944
30°	3742	3808	3889
35°	3651	3721	3806
40°	3549	3623	3686
45°	3435	3509	3540
50°	3286	3355	3341
55°	3162	3185	3101
60°	3004	2960	2846
65°	2837	2723	2535
70°	2633	2414	2144
75°	2341	2070	1764
80°	1948	1694	1644
85°	1411	1513	1513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	3.7
10°-20°	401.4	10.4
20°-30°	601.6	15.6
30°-40°	708.8	18.4
40°-50°	707.0	18.4
50°-60°	601.4	15.6
60°-70°	419.7	10.9
70°-80°	213.3	5.5
80°-90°	55.7	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°	1144.0	29.7
0°-40°	1852.9	48.1
0°-60°	3161.2	82.1
0°-90°	3850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1493	1493	1493	1493	1493	
5°	1488	1485	1479	1487	1487	141
15°	1418	1418	1418	1431	1433	400
25°	1289	1291	1304	1324	1328	593
35°	1111	1113	1133	1156	1159	694
45°	902	906	922	929	930	694
55°	674	674	679	669	661	602
65°	446	439	428	405	398	442
75°	225	217	199	175	170	239
85°	46	47	49	49	49	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1493.3	1493.3	1493.3	1493.3	1493.3
2.5°	1493.3	1491.6	1485.1	1491.6	1491.6
5°	1488.4	1485.1	1478.6	1486.8	1486.8
7.5°	1475.3	1473.7	1468.8	1477.0	1477.0
10°	1460.6	1459.0	1455.7	1465.5	1465.5
12.5°	1441.1	1441.1	1439.4	1449.2	1450.8
15°	1418.2	1418.2	1418.2	1431.3	1432.9
17.5°	1392.1	1390.5	1395.4	1410.0	1411.7
20°	1359.5	1361.1	1367.6	1383.9	1387.2
22.5°	1326.8	1328.4	1336.6	1356.2	1361.1
25°	1289.3	1290.9	1304.0	1323.6	1328.4
27.5°	1248.5	1251.7	1266.4	1287.6	1290.9
30°	1204.4	1207.7	1225.6	1246.8	1251.7
32.5°	1158.7	1163.6	1179.9	1202.8	1209.3
35°	1111.4	1113.0	1132.6	1155.5	1158.7
37.5°	1059.2	1064.1	1083.6	1103.2	1106.5
40°	1010.2	1013.5	1031.4	1047.7	1049.4
42.5°	954.7	959.6	979.2	990.6	990.6
45°	902.5	905.8	922.1	928.6	930.2
47.5°	843.7	847.0	861.7	865.0	865.0
50°	785.0	793.2	801.3	801.3	798.0
52.5°	731.1	732.8	742.6	736.0	732.8
55°	674.0	674.0	678.9	669.1	661.0
57.5°	616.9	616.9	616.9	603.8	597.3
60°	558.1	556.5	550.0	533.7	528.8
62.5°	502.7	497.8	488.0	471.6	461.9
65°	445.5	439.0	427.6	404.7	398.2
67.5°	391.7	380.3	367.2	346.0	334.6
70°	334.6	324.8	306.8	282.3	272.5
72.5°	279.1	269.3	254.6	230.1	215.4
75°	225.2	217.1	199.1	174.6	169.7
77.5°	173.0	168.1	150.1	138.7	137.1
80°	125.7	124.0	109.3	106.1	106.1
82.5°	83.2	81.6	76.7	76.7	75.1
85°	45.7	47.3	49.0	49.0	49.0
87.5°	16.3	19.6	22.8	22.8	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)