

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: P297886

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297886
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-35L82765-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3671.0 lumens
Efficiency: N/A
Efficacy: 107.0 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

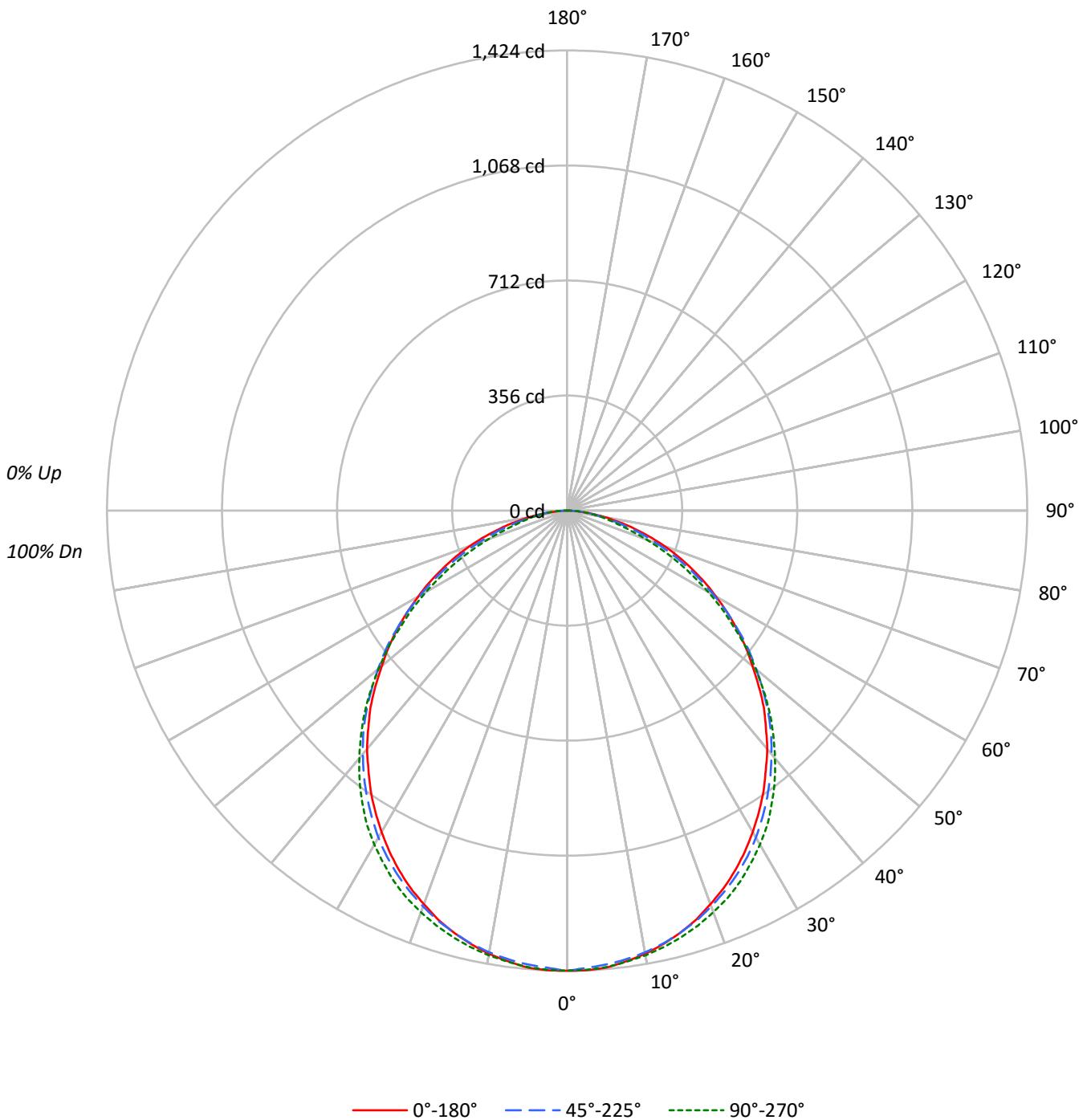
Input Watts (W): 34.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3832	3832	3832
5°	3834	3808	3829
10°	3806	3793	3818
15°	3767	3767	3806
20°	3712	3734	3788
25°	3650	3692	3761
30°	3568	3631	3709
35°	3481	3548	3629
40°	3384	3455	3515
45°	3275	3346	3376
50°	3134	3199	3185
55°	3015	3037	2957
60°	2864	2822	2714
65°	2705	2596	2418
70°	2510	2302	2045
75°	2232	1973	1682
80°	1857	1616	1567
85°	1346	1442	1442



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	3.7
10°-20°	382.8	10.4
20°-30°	573.7	15.6
30°-40°	675.9	18.4
40°-50°	674.1	18.4
50°-60°	573.4	15.6
60°-70°	400.2	10.9
70°-80°	203.4	5.5
80°-90°	53.1	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°	1090.8	29.7
0°-40°	1766.7	48.1
0°-60°	3014.2	82.1
0°-90°	3671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3671.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1424	1424	1424	1424	1424	
5°	1419	1416	1410	1418	1418	135
15°	1352	1352	1352	1365	1366	381
25°	1229	1231	1243	1262	1267	566
35°	1060	1061	1080	1102	1105	662
45°	860	864	879	885	887	662
55°	643	643	647	638	630	574
65°	425	419	408	386	380	421
75°	215	207	190	166	162	228
85°	44	45	47	47	47	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1423.9	1423.9	1423.9	1423.9	1423.9
2.5°	1423.9	1422.3	1416.1	1422.3	1422.3
5°	1419.2	1416.1	1409.8	1417.6	1417.6
7.5°	1406.7	1405.2	1400.5	1408.3	1408.3
10°	1392.7	1391.2	1388.1	1397.4	1397.4
12.5°	1374.1	1374.1	1372.5	1381.8	1383.4
15°	1352.3	1352.3	1352.3	1364.7	1366.3
17.5°	1327.4	1325.8	1330.5	1344.5	1346.0
20°	1296.3	1297.8	1304.0	1319.6	1322.7
22.5°	1265.1	1266.7	1274.5	1293.1	1297.8
25°	1229.3	1230.9	1243.3	1262.0	1266.7
27.5°	1190.4	1193.5	1207.6	1227.8	1230.9
30°	1148.4	1151.5	1168.6	1188.9	1193.5
32.5°	1104.8	1109.5	1125.1	1146.9	1153.1
35°	1059.7	1061.3	1080.0	1101.7	1104.8
37.5°	1009.9	1014.6	1033.3	1051.9	1055.1
40°	963.2	966.4	983.5	999.0	1000.6
42.5°	910.3	915.0	933.7	944.6	944.6
45°	860.5	863.6	879.2	885.4	887.0
47.5°	804.5	807.6	821.6	824.7	824.7
50°	748.5	756.3	764.1	764.1	760.9
52.5°	697.1	698.7	708.0	701.8	698.7
55°	642.7	642.7	647.3	638.0	630.2
57.5°	588.2	588.2	588.2	575.8	569.5
60°	532.2	530.6	524.4	508.9	504.2
62.5°	479.3	474.6	465.3	449.7	440.4
65°	424.8	418.6	407.7	385.9	379.7
67.5°	373.5	362.6	350.1	329.9	319.0
70°	319.0	309.7	292.6	269.2	259.9
72.5°	266.1	256.8	242.8	219.4	205.4
75°	214.7	207.0	189.8	166.5	161.8
77.5°	164.9	160.3	143.2	132.3	130.7
80°	119.8	118.3	104.3	101.1	101.1
82.5°	79.4	77.8	73.1	73.1	71.6
85°	43.6	45.1	46.7	46.7	46.7
87.5°	15.6	18.7	21.8	21.8	21.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)