

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: P298381

Luminaire Tested: **D3X-WO-44L82765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298381
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-44L82765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4140.0 lumens
Efficiency: N/A
Efficacy: 117.3 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

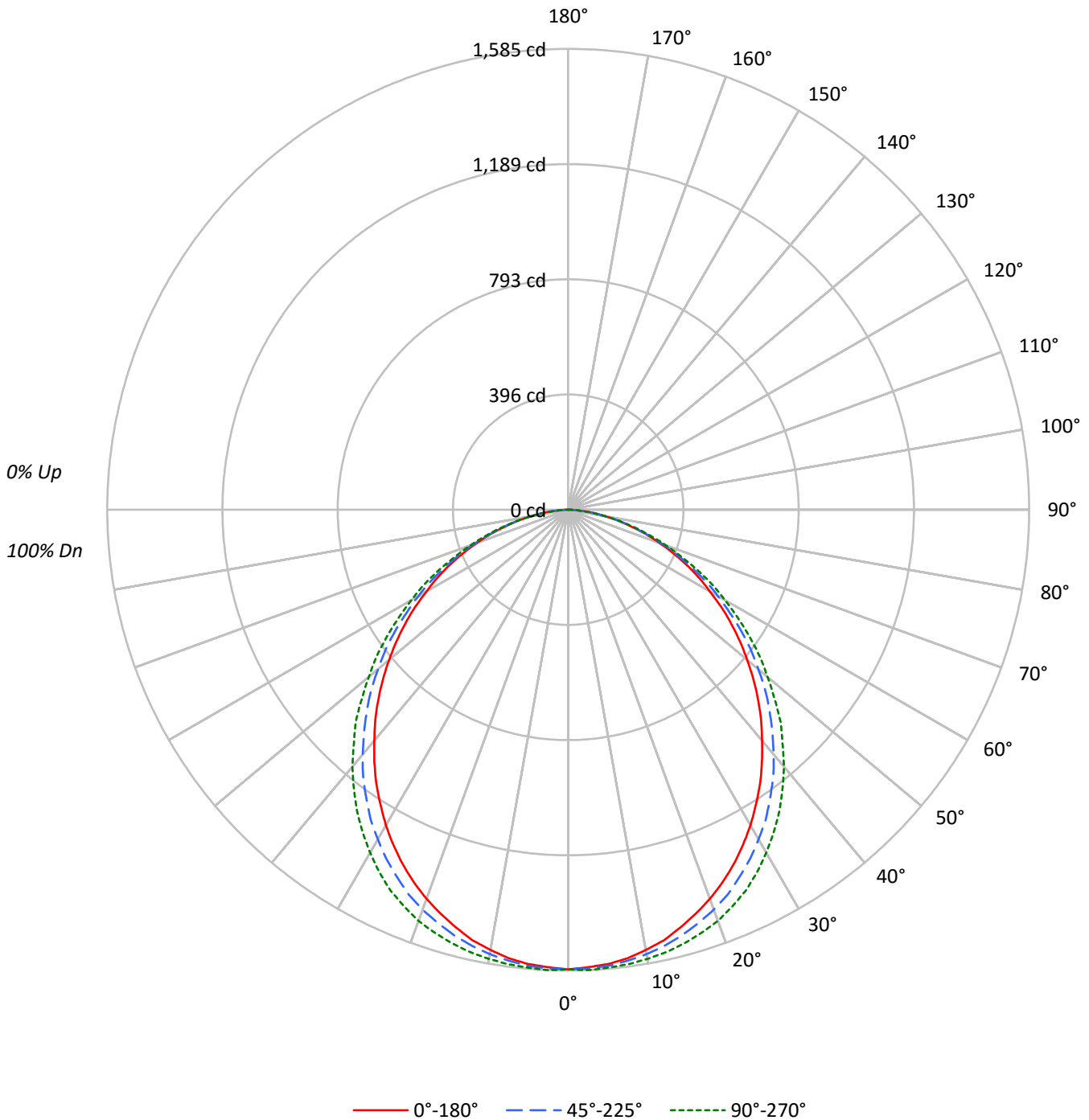
Input Watts (W): 35.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4254	4254	4254
5°	4237	4254	4271
10°	4202	4241	4286
15°	4146	4221	4301
20°	4079	4191	4309
25°	3996	4137	4290
30°	3894	4067	4234
35°	3778	3975	4158
40°	3642	3860	4055
45°	3514	3726	3930
50°	3365	3573	3745
55°	3211	3404	3568
60°	3028	3206	3350
65°	2862	2967	3110
70°	2627	2708	2806
75°	2336	2401	2465
80°	2013	1980	1980
85°	1528	1399	1272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	3.6
10°-20°	427.5	10.3
20°-30°	641.8	15.5
30°-40°	755.4	18.2
40°-50°	753.5	18.2
50°-60°	646.6	15.6
60°-70°	463.1	11.2
70°-80°	245.3	5.9
80°-90°	57.3	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°	1218.9	29.4
0°-40°	1974.3	47.7
0°-60°	3374.3	81.5
0°-90°	4140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4140.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1581	1581	1581	1581	1581	
5°	1569	1569	1575	1579	1581	149
15°	1488	1494	1515	1536	1544	420
25°	1346	1358	1393	1428	1445	619
35°	1150	1165	1210	1251	1266	718
45°	924	938	979	1014	1033	712
55°	684	695	726	750	761	612
65°	449	451	466	484	488	444
75°	225	225	231	235	237	241
85°	50	47	45	41	41	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1581.0	1581.0	1581.0	1581.0	1581.0
2.5°	1574.8	1574.8	1579.0	1583.1	1585.2
5°	1568.7	1568.7	1574.8	1579.0	1581.0
7.5°	1556.3	1556.3	1564.5	1572.8	1576.9
10°	1537.7	1541.9	1552.2	1564.5	1568.7
12.5°	1517.1	1521.3	1535.7	1552.2	1558.4
15°	1488.3	1494.5	1515.1	1535.7	1543.9
17.5°	1457.3	1465.6	1490.3	1515.1	1525.4
20°	1424.4	1432.6	1463.5	1492.4	1504.8
22.5°	1387.3	1397.6	1432.6	1463.5	1475.9
25°	1346.0	1358.4	1393.4	1428.5	1445.0
27.5°	1300.7	1315.1	1354.3	1391.4	1405.8
30°	1253.3	1269.8	1308.9	1348.1	1362.5
32.5°	1201.7	1216.2	1263.6	1300.7	1315.1
35°	1150.2	1164.6	1210.0	1251.2	1265.6
37.5°	1094.6	1113.1	1158.5	1195.6	1210.0
40°	1036.8	1055.4	1098.7	1142.0	1154.3
42.5°	981.2	997.7	1038.9	1078.1	1090.4
45°	923.5	937.9	979.1	1014.2	1032.7
47.5°	863.7	878.1	919.3	952.3	962.6
50°	803.9	818.3	853.4	882.2	894.6
52.5°	744.1	758.6	791.5	818.3	830.7
55°	684.4	694.7	725.6	750.3	760.6
57.5°	624.6	632.8	657.6	684.4	690.5
60°	562.7	573.0	595.7	614.3	622.5
62.5°	507.1	511.2	531.8	548.3	558.6
65°	449.4	451.4	465.9	484.4	488.5
67.5°	389.6	391.6	406.1	416.4	420.5
70°	333.9	333.9	344.2	352.5	356.6
72.5°	280.3	278.3	284.5	292.7	296.8
75°	224.7	224.7	230.9	235.0	237.1
77.5°	177.3	173.2	177.3	181.4	181.4
80°	129.9	127.8	127.8	129.9	127.8
82.5°	88.6	86.6	88.6	84.5	82.5
85°	49.5	47.4	45.3	41.2	41.2
87.5°	16.5	14.4	14.4	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)