

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: P298463

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298463
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-40L92765-LD5-UNV-22-T1-W2A-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3800.0 lumens
Efficiency: N/A
Efficacy: 113.1 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

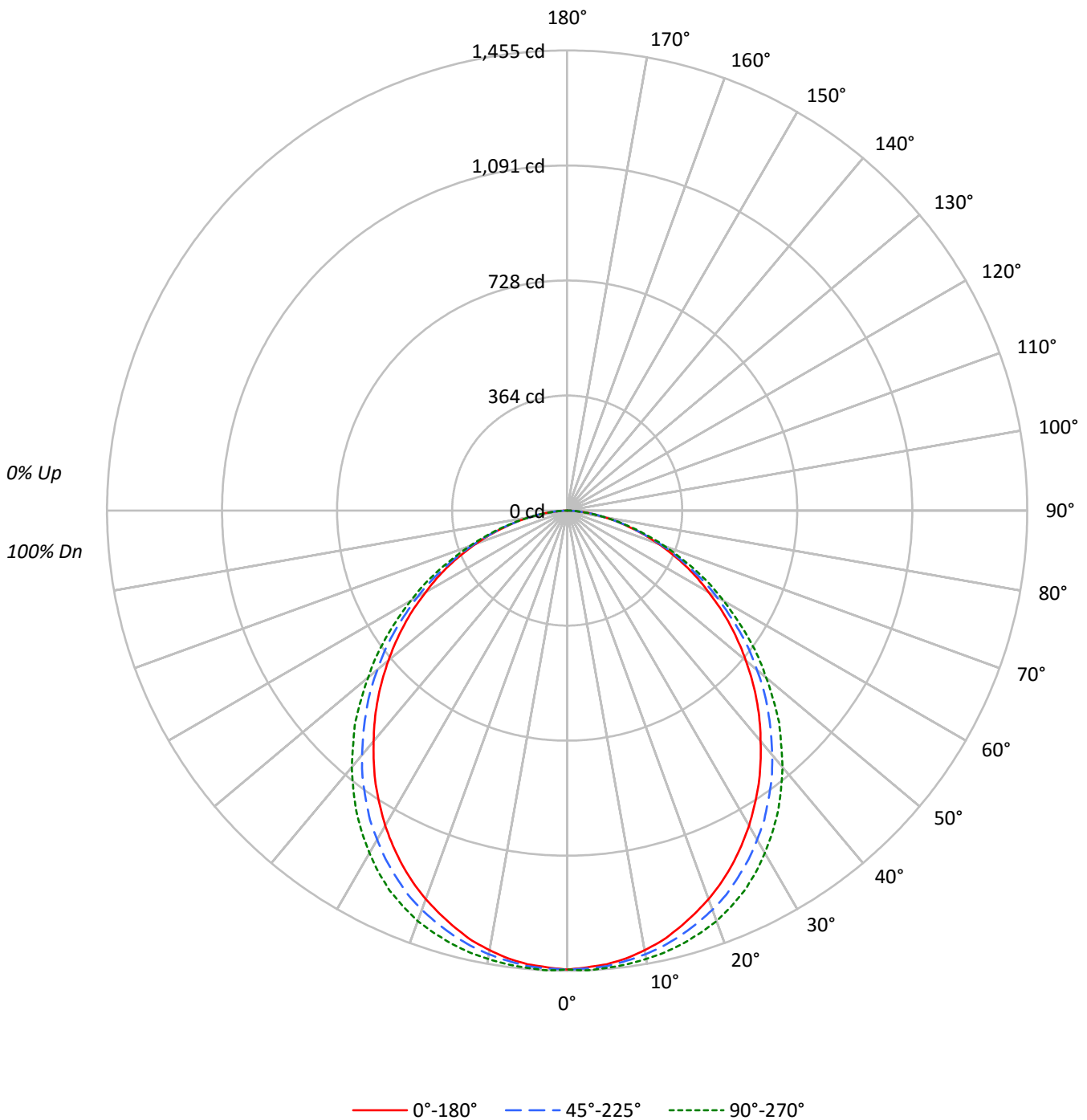
Input Watts (W): 33.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3905	3905	3905
5°	3889	3905	3920
10°	3857	3893	3934
15°	3806	3874	3948
20°	3744	3847	3955
25°	3668	3798	3938
30°	3575	3733	3886
35°	3468	3648	3816
40°	3343	3543	3722
45°	3226	3420	3607
50°	3089	3279	3437
55°	2947	3125	3276
60°	2780	2943	3075
65°	2627	2723	2855
70°	2412	2486	2575
75°	2144	2203	2262
80°	1847	1818	1818
85°	1402	1284	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	3.6
10°-20°	392.4	10.3
20°-30°	589.1	15.5
30°-40°	693.4	18.2
40°-50°	691.6	18.2
50°-60°	593.5	15.6
60°-70°	425.0	11.2
70°-80°	225.1	5.9
80°-90°	52.6	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°	1118.8	29.4
0°-40°	1812.2	47.7
0°-60°	3097.2	81.5
0°-90°	3800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1451	1451	1451	1451	1451	
5°	1440	1440	1446	1449	1451	137
15°	1366	1372	1391	1410	1417	385
25°	1236	1247	1279	1311	1326	569
35°	1056	1069	1111	1148	1162	659
45°	848	861	899	931	948	653
55°	628	638	666	689	698	561
65°	412	414	428	445	448	407
75°	206	206	212	216	218	221
85°	45	44	42	38	38	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1451.2	1451.2	1451.2	1451.2	1451.2
2.5°	1445.5	1445.5	1449.3	1453.1	1455.0
5°	1439.8	1439.8	1445.5	1449.3	1451.2
7.5°	1428.5	1428.5	1436.0	1443.6	1447.4
10°	1411.5	1415.2	1424.7	1436.0	1439.8
12.5°	1392.5	1396.3	1409.6	1424.7	1430.4
15°	1366.0	1371.7	1390.6	1409.6	1417.1
17.5°	1337.7	1345.2	1367.9	1390.6	1400.1
20°	1307.4	1315.0	1343.3	1369.8	1381.2
22.5°	1273.3	1282.8	1315.0	1343.3	1354.7
25°	1235.5	1246.8	1279.0	1311.2	1326.3
27.5°	1193.9	1207.1	1243.1	1277.1	1290.4
30°	1150.4	1165.5	1201.4	1237.4	1250.6
32.5°	1103.1	1116.3	1159.8	1193.9	1207.1
35°	1055.8	1069.0	1110.6	1148.5	1161.7
37.5°	1004.7	1021.7	1063.3	1097.4	1110.6
40°	951.7	968.7	1008.5	1048.2	1059.5
42.5°	900.6	915.7	953.6	989.5	1000.9
45°	847.6	860.9	898.7	930.9	947.9
47.5°	792.8	806.0	843.8	874.1	883.6
50°	737.9	751.1	783.3	809.8	821.1
52.5°	683.0	696.3	726.5	751.1	762.5
55°	628.2	637.6	666.0	688.7	698.2
57.5°	573.3	580.9	603.6	628.2	633.8
60°	516.5	526.0	546.8	563.8	571.4
62.5°	465.4	469.2	488.1	503.3	512.7
65°	412.5	414.4	427.6	444.6	448.4
67.5°	357.6	359.5	372.7	382.2	386.0
70°	306.5	306.5	316.0	323.5	327.3
72.5°	257.3	255.4	261.1	268.7	272.5
75°	206.2	206.2	211.9	215.7	217.6
77.5°	162.7	158.9	162.7	166.5	166.5
80°	119.2	117.3	117.3	119.2	117.3
82.5°	81.4	79.5	81.4	77.6	75.7
85°	45.4	43.5	41.6	37.8	37.8
87.5°	15.1	13.2	13.2	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)