

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: P298304

Luminaire Tested: **D3X-WG-44L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298304
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-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3904.0 lumens
Efficiency: N/A
Efficacy: 104.7 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

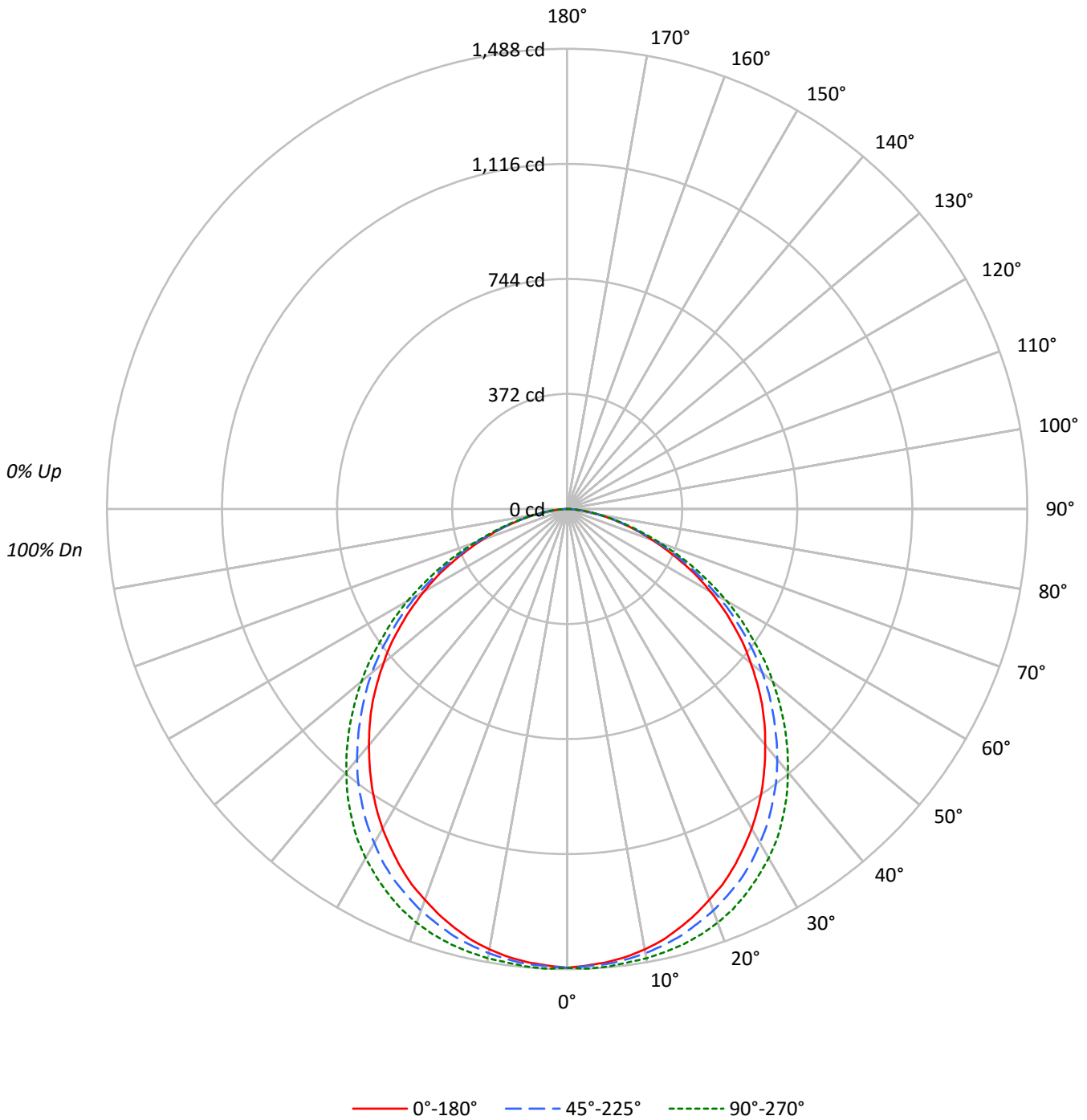
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	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	47	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	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3992	3992	3992
5°	3974	3991	4013
10°	3952	3986	4031
15°	3908	3977	4058
20°	3851	3958	4076
25°	3790	3931	4073
30°	3709	3876	4050
35°	3615	3805	3996
40°	3501	3712	3901
45°	3391	3588	3785
50°	3244	3453	3635
55°	3081	3256	3431
60°	2877	3033	3212
65°	2625	2744	2903
70°	2299	2397	2494
75°	1961	2004	2090
80°	1573	1605	1638
85°	1152	1087	1025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.4	3.6
10°-20°	403.0	10.3
20°-30°	609.3	15.6
30°-40°	723.7	18.5
40°-50°	726.6	18.6
50°-60°	620.6	15.9
60°-70°	427.6	11.0
70°-80°	207.3	5.3
80°-90°	45.4	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°	1152.8	29.5
0°-40°	1876.5	48.1
0°-60°	3223.7	82.6
0°-90°	3904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1471	1471	1477	1482	1486	140
15°	1403	1409	1428	1446	1457	396
25°	1276	1287	1324	1359	1372	587
35°	1100	1117	1158	1202	1216	687
45°	891	903	943	982	995	686
55°	657	667	694	723	731	587
65°	412	412	431	450	456	409
75°	189	184	193	197	201	203
85°	37	37	35	33	33	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1477.4	1477.4	1479.5	1485.7	1487.8
5°	1471.2	1471.2	1477.4	1481.5	1485.7
7.5°	1460.8	1462.9	1469.1	1477.4	1479.5
10°	1446.3	1448.4	1458.7	1469.1	1475.3
12.5°	1427.7	1431.8	1444.2	1460.8	1467.0
15°	1402.8	1409.0	1427.7	1446.3	1456.7
17.5°	1375.9	1384.1	1404.9	1431.8	1442.2
20°	1344.8	1355.1	1382.1	1411.1	1423.5
22.5°	1313.7	1322.0	1353.1	1386.2	1400.7
25°	1276.4	1286.8	1324.1	1359.3	1371.7
27.5°	1235.0	1249.5	1288.8	1326.1	1338.6
30°	1193.5	1206.0	1247.4	1288.8	1303.3
32.5°	1147.9	1160.4	1206.0	1247.4	1264.0
35°	1100.3	1116.9	1158.3	1201.8	1216.3
37.5°	1048.5	1067.1	1110.6	1147.9	1166.6
40°	996.7	1013.2	1056.8	1096.1	1110.6
42.5°	944.9	959.4	1000.8	1042.3	1054.7
45°	891.0	903.4	942.8	982.2	994.6
47.5°	833.0	847.5	884.8	917.9	932.4
50°	775.0	789.5	824.7	855.8	868.2
52.5°	719.0	727.3	760.5	789.5	804.0
55°	656.8	667.2	694.1	723.2	731.4
57.5°	596.8	603.0	629.9	654.8	667.2
60°	534.6	538.7	563.6	582.3	596.8
62.5°	476.6	476.6	495.2	515.9	524.2
65°	412.3	412.3	431.0	449.6	455.9
67.5°	350.2	354.3	366.8	381.3	385.4
70°	292.2	292.2	304.6	315.0	317.0
72.5°	240.4	238.3	244.5	252.8	256.9
75°	188.6	184.4	192.7	196.8	201.0
77.5°	143.0	140.9	145.0	149.2	149.2
80°	101.5	99.5	103.6	103.6	105.7
82.5°	66.3	68.4	68.4	66.3	64.2
85°	37.3	37.3	35.2	33.2	33.2
87.5°	12.4	12.4	12.4	14.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)