

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: P298211

Luminaire Tested: **D3X-WG-40L82765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298211
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-40L82765-LD5-UNV-22-T1-W2A-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3927.0 lumens
Efficiency: N/A
Efficacy: 117.2 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

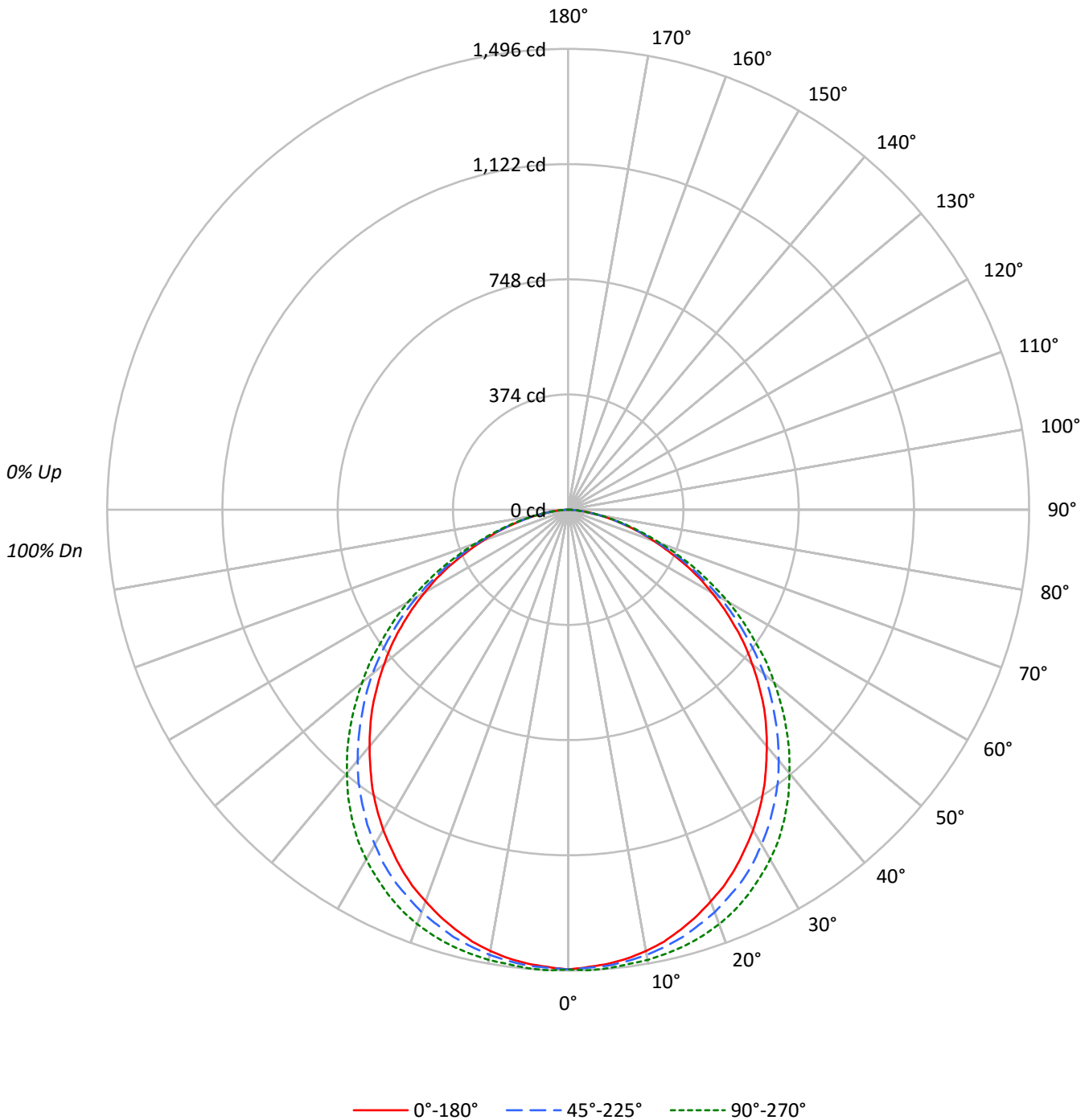
Input Watts (W): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298211

CATALOG NUMBER: D3X-WG-40L82765-LD5-UNV-22-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P298211

CATALOG NUMBER: D3X-WG-40L82765-LD5-UNV-22-T1-W2A-6500K

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°	4016	4016	4016
5°	3997	4014	4037
10°	3975	4009	4055
15°	3931	4001	4082
20°	3874	3981	4101
25°	3812	3955	4097
30°	3730	3899	4074
35°	3636	3827	4019
40°	3522	3734	3925
45°	3411	3609	3808
50°	3263	3473	3656
55°	3100	3276	3452
60°	2894	3051	3231
65°	2641	2760	2919
70°	2312	2411	2509
75°	1972	2015	2102
80°	1582	1615	1647
85°	1158	1093	1028



TEST NUMBER: P298211

CATALOG NUMBER: D3X-WG-40L82765-LD5-UNV-22-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.3	3.6
10°-20°	405.4	10.3
20°-30°	612.9	15.6
30°-40°	728.0	18.5
40°-50°	730.9	18.6
50°-60°	624.3	15.9
60°-70°	430.1	11.0
70°-80°	208.5	5.3
80°-90°	45.6	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°	1159.6	29.5
0°-40°	1887.6	48.1
0°-60°	3242.7	82.6
0°-90°	3927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1492	1492	1492	1492	1492	
5°	1480	1480	1486	1490	1494	140
15°	1411	1417	1436	1455	1465	398
25°	1284	1294	1332	1367	1380	591
35°	1107	1123	1165	1209	1224	691
45°	896	909	948	988	1000	690
55°	661	671	698	727	736	591
65°	415	415	434	452	458	411
75°	190	186	194	198	202	204
85°	38	38	35	33	33	46
90°	0	0	0	0	0	



TEST NUMBER: P298211

CATALOG NUMBER: D3X-WG-40L82765-LD5-UNV-22-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1492.4	1492.4	1492.4	1492.4	1492.4
2.5°	1486.1	1486.1	1488.2	1494.4	1496.5
5°	1479.8	1479.8	1486.1	1490.3	1494.4
7.5°	1469.4	1471.5	1477.8	1486.1	1488.2
10°	1454.8	1456.9	1467.3	1477.8	1484.0
12.5°	1436.1	1440.2	1452.7	1469.4	1475.7
15°	1411.1	1417.3	1436.1	1454.8	1465.3
17.5°	1384.0	1392.3	1413.1	1440.2	1450.7
20°	1352.7	1363.1	1390.2	1419.4	1431.9
22.5°	1321.4	1329.8	1361.0	1394.4	1409.0
25°	1283.9	1294.3	1331.9	1367.3	1379.8
27.5°	1242.2	1256.8	1296.4	1333.9	1346.4
30°	1200.5	1213.1	1254.7	1296.4	1311.0
32.5°	1154.7	1167.2	1213.1	1254.7	1271.4
35°	1106.8	1123.4	1165.1	1208.9	1223.5
37.5°	1054.6	1073.4	1117.2	1154.7	1173.5
40°	1002.5	1019.2	1063.0	1102.6	1117.2
42.5°	950.4	965.0	1006.7	1048.4	1060.9
45°	896.2	908.7	948.4	988.0	1000.5
47.5°	837.9	852.5	890.0	923.3	937.9
50°	779.5	794.1	829.5	860.8	873.3
52.5°	723.2	731.6	764.9	794.1	808.7
55°	660.7	671.1	698.2	727.4	735.8
57.5°	600.3	606.5	633.6	658.6	671.1
60°	537.7	541.9	566.9	585.7	600.3
62.5°	479.4	479.4	498.1	519.0	527.3
65°	414.8	414.8	433.5	452.3	458.5
67.5°	352.2	356.4	368.9	383.5	387.7
70°	293.9	293.9	306.4	316.8	318.9
72.5°	241.8	239.7	245.9	254.3	258.5
75°	189.7	185.5	193.8	198.0	202.2
77.5°	143.8	141.7	145.9	150.1	150.1
80°	102.1	100.0	104.2	104.2	106.3
82.5°	66.7	68.8	68.8	66.7	64.6
85°	37.5	37.5	35.4	33.3	33.3
87.5°	12.5	12.5	12.5	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)