

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: P297050

Luminaire Tested: **D3X-WG-36L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3373.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

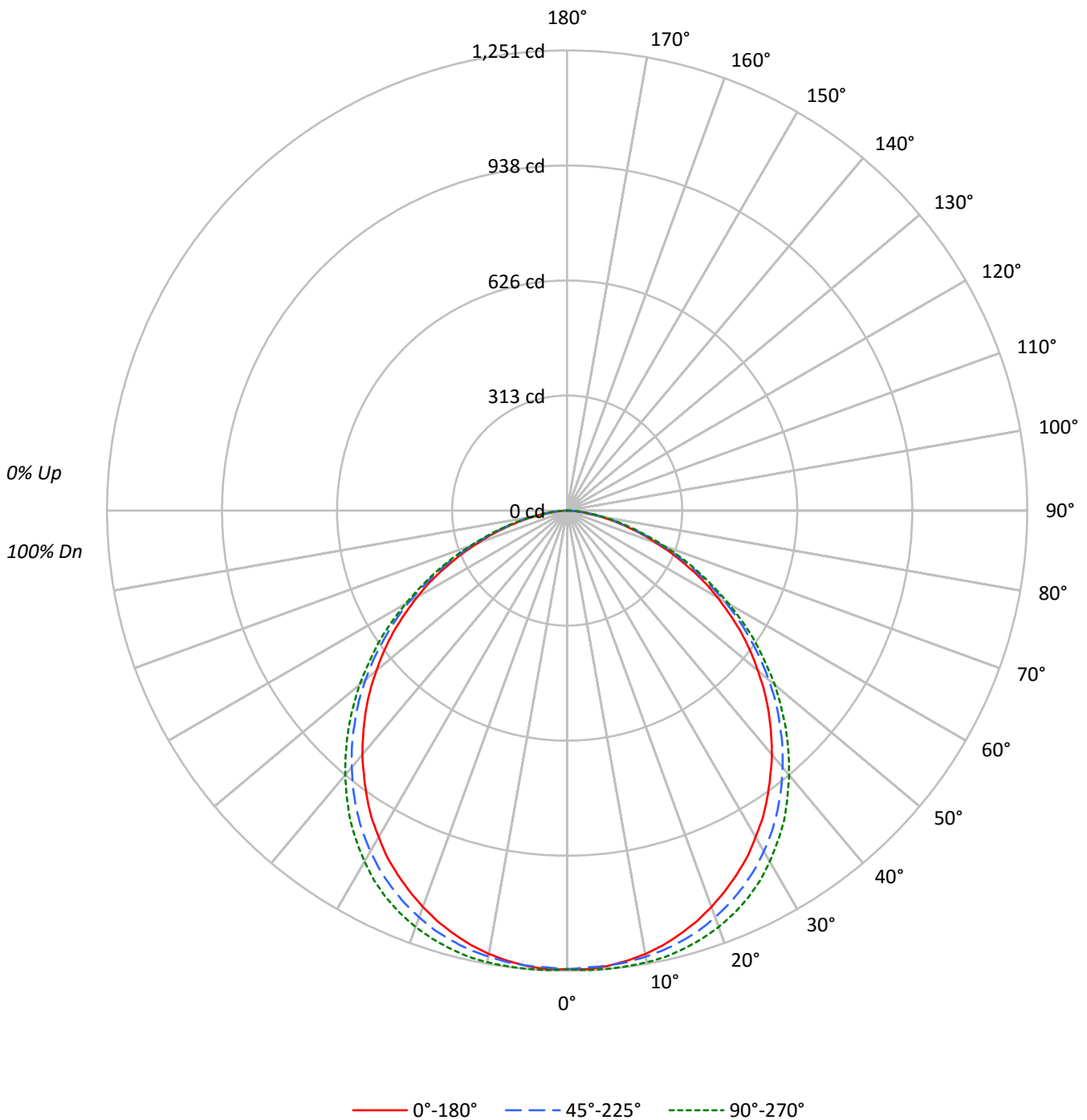
Input Watts (W): 25.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297050

CATALOG NUMBER: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P297050

CATALOG NUMBER: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-3500K

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	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	47	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1678	1678	1678
5°	1679	1678	1689
10°	1672	1682	1704
15°	1659	1686	1717
20°	1642	1685	1725
25°	1620	1677	1726
30°	1592	1661	1712
35°	1560	1637	1689
40°	1522	1600	1649
45°	1474	1554	1600
50°	1416	1497	1543
55°	1355	1423	1468
60°	1268	1333	1366
65°	1158	1219	1250
70°	1017	1070	1098
75°	860	905	936
80°	683	749	768
85°	466	559	540



TEST NUMBER: P297050

CATALOG NUMBER: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	3.5
10°-20°	342.1	10.1
20°-30°	519.8	15.4
30°-40°	620.3	18.4
40°-50°	626.5	18.6
50°-60°	539.7	16.0
60°-70°	376.3	11.2
70°-80°	186.5	5.5
80°-90°	43.5	1.3
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°	980.4	29.1
0°-40°	1600.6	47.5
0°-60°	2766.8	82.0
0°-90°	3373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1243	1242	1242	1248	1251	118
15°	1191	1197	1211	1226	1232	336
25°	1091	1106	1130	1153	1162	503
35°	950	965	997	1020	1028	594
45°	774	791	817	836	841	597
55°	578	590	606	621	626	515
65°	364	371	383	387	393	361
75°	166	168	174	178	180	178
85°	30	36	36	34	35	39
90°	0	0	0	0	0	



TEST NUMBER: P297050

CATALOG NUMBER: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1246.9	1246.9	1246.9	1246.9	1246.9
2.5°	1248.1	1245.7	1243.3	1248.1	1250.6
5°	1243.3	1242.1	1242.1	1248.1	1250.6
7.5°	1234.8	1234.8	1238.5	1246.9	1249.3
10°	1224.0	1226.4	1231.2	1243.3	1246.9
12.5°	1209.5	1214.3	1222.8	1237.3	1242.1
15°	1191.3	1197.4	1210.7	1226.4	1232.4
17.5°	1170.8	1179.3	1196.2	1214.3	1220.3
20°	1146.6	1157.5	1176.8	1197.4	1204.6
22.5°	1120.1	1133.4	1155.1	1176.8	1185.3
25°	1091.1	1105.6	1129.7	1152.7	1162.3
27.5°	1060.9	1075.4	1101.9	1124.9	1134.6
30°	1024.6	1041.5	1069.3	1093.5	1101.9
32.5°	989.6	1006.5	1035.5	1057.2	1065.7
35°	949.7	965.4	996.8	1019.8	1028.2
37.5°	907.4	925.5	955.7	976.3	983.5
40°	866.3	882.0	911.0	931.6	938.8
42.5°	820.4	837.3	866.3	884.4	890.5
45°	774.5	791.4	816.8	836.1	841.0
47.5°	727.4	743.1	768.5	784.2	789.0
50°	676.6	691.1	715.3	731.0	737.0
52.5°	628.3	641.6	662.1	675.4	679.0
55°	577.5	589.6	606.5	621.0	625.9
57.5°	523.2	536.5	552.2	564.3	567.9
60°	471.2	482.1	495.4	506.3	507.5
62.5°	420.5	425.3	437.4	447.1	448.3
65°	363.7	370.9	383.0	386.6	392.7
67.5°	311.7	316.6	326.2	331.1	335.9
70°	258.6	262.2	271.9	277.9	279.1
72.5°	212.7	213.9	221.1	225.9	227.2
75°	165.5	167.9	174.0	177.6	180.0
77.5°	125.7	128.1	132.9	135.3	135.3
80°	88.2	91.8	96.7	97.9	99.1
82.5°	56.8	61.6	65.2	66.5	64.0
85°	30.2	36.2	36.2	33.8	35.0
87.5°	10.9	13.3	14.5	15.7	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)