

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: P296928

Luminaire Tested: **D3X-WD-45L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-45L92765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3652.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

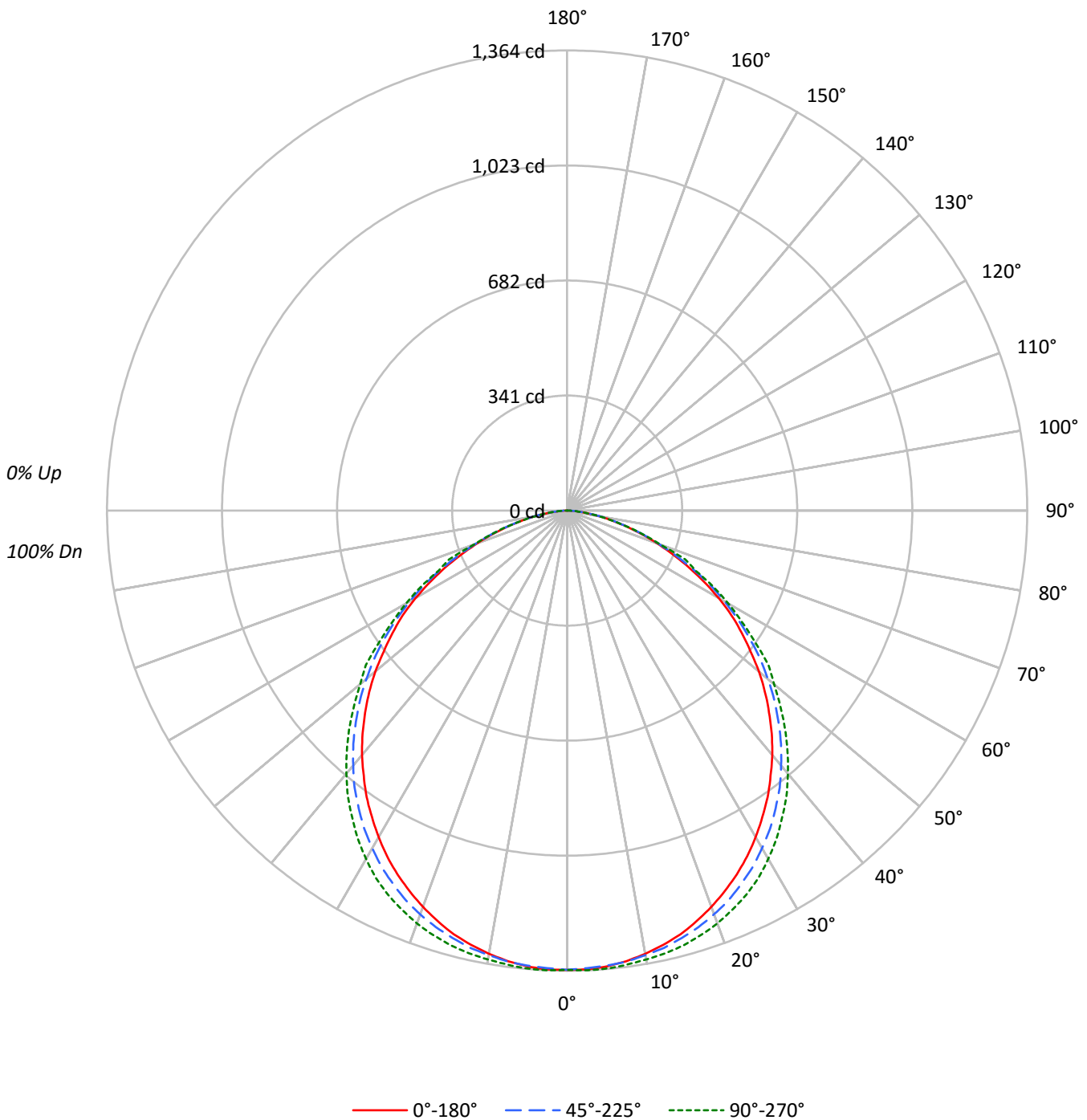
Input Watts (W): 31.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296928

CATALOG NUMBER: D3X-WD-45L92765-LD5-UNV-24-T1-W2A-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P296928

CATALOG NUMBER: D3X-WD-45L92765-LD5-UNV-24-T1-W2A-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1832	1832	1832
5°	1832	1828	1841
10°	1822	1828	1846
15°	1811	1827	1858
20°	1790	1824	1865
25°	1766	1813	1866
30°	1737	1796	1853
35°	1702	1769	1825
40°	1662	1733	1788
45°	1611	1686	1738
50°	1553	1626	1676
55°	1482	1549	1595
60°	1396	1449	1485
65°	1268	1310	1335
70°	1113	1139	1155
75°	940	953	961
80°	752	762	742
85°	506	526	506



TEST NUMBER: P296928

CATALOG NUMBER: D3X-WD-45L92765-LD5-UNV-24-T1-W2A-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	3.5
10°-20°	371.0	10.2
20°-30°	563.0	15.4
30°-40°	672.1	18.4
40°-50°	680.4	18.6
50°-60°	588.2	16.1
60°-70°	407.6	11.2
70°-80°	197.2	5.4
80°-90°	43.4	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°	1063.0	29.1
0°-40°	1735.1	47.5
0°-60°	3003.7	82.2
0°-90°	3652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1356	1355	1354	1360	1363	129
15°	1300	1302	1312	1327	1334	366
25°	1190	1198	1221	1246	1257	548
35°	1036	1046	1077	1105	1111	647
45°	846	858	886	908	913	653
55°	632	638	660	688	680	564
65°	398	402	411	418	419	394
75°	181	182	183	182	185	194
85°	33	35	34	33	33	42
90°	0	0	0	0	0	



TEST NUMBER: P296928

CATALOG NUMBER: D3X-WD-45L92765-LD5-UNV-24-T1-W2A-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1361.4	1361.4	1361.4	1361.4	1361.4
2.5°	1361.4	1360.1	1357.5	1361.4	1364.1
5°	1356.2	1354.9	1353.6	1360.1	1362.7
7.5°	1347.0	1347.0	1348.3	1354.9	1357.5
10°	1333.9	1335.2	1337.9	1348.3	1351.0
12.5°	1318.2	1320.8	1327.4	1339.2	1344.4
15°	1299.9	1302.5	1311.6	1327.4	1333.9
17.5°	1276.3	1281.5	1294.6	1313.0	1319.5
20°	1250.1	1256.6	1273.6	1294.6	1302.5
22.5°	1221.2	1227.8	1250.1	1272.3	1280.2
25°	1189.8	1197.6	1221.2	1246.1	1256.6
27.5°	1155.7	1164.9	1191.1	1217.3	1227.8
30°	1117.7	1128.2	1155.7	1183.2	1192.4
32.5°	1077.1	1087.6	1119.0	1145.2	1154.4
35°	1036.5	1045.6	1077.1	1104.6	1111.2
37.5°	990.6	1001.1	1035.2	1058.8	1067.9
40°	946.1	956.5	986.7	1010.3	1018.1
42.5°	897.6	908.1	938.2	960.5	967.0
45°	846.5	858.3	885.8	908.1	913.3
47.5°	795.4	804.5	833.4	853.0	857.0
50°	741.7	750.8	777.0	796.7	800.6
52.5°	685.3	699.7	720.7	735.1	752.1
55°	631.6	638.1	660.4	687.9	680.1
57.5°	577.9	581.8	600.1	611.9	614.5
60°	518.9	524.1	538.5	545.1	551.7
62.5°	457.3	461.2	478.3	484.8	487.4
65°	398.3	402.3	411.4	418.0	419.3
67.5°	338.1	342.0	349.9	355.1	378.7
70°	283.0	285.7	289.6	300.1	293.5
72.5°	230.6	231.9	235.9	235.9	237.2
75°	180.8	182.1	183.4	182.1	184.8
77.5°	135.0	137.6	138.9	137.6	136.3
80°	97.0	99.6	98.3	95.7	95.7
82.5°	62.9	64.2	62.9	61.6	61.6
85°	32.8	35.4	34.1	32.8	32.8
87.5°	11.8	13.1	14.4	15.7	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)