

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: P297212

Luminaire Tested: **D3X-WG-45L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297212
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-45L92765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4014.0 lumens
Efficiency: N/A
Efficacy: 123.5 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

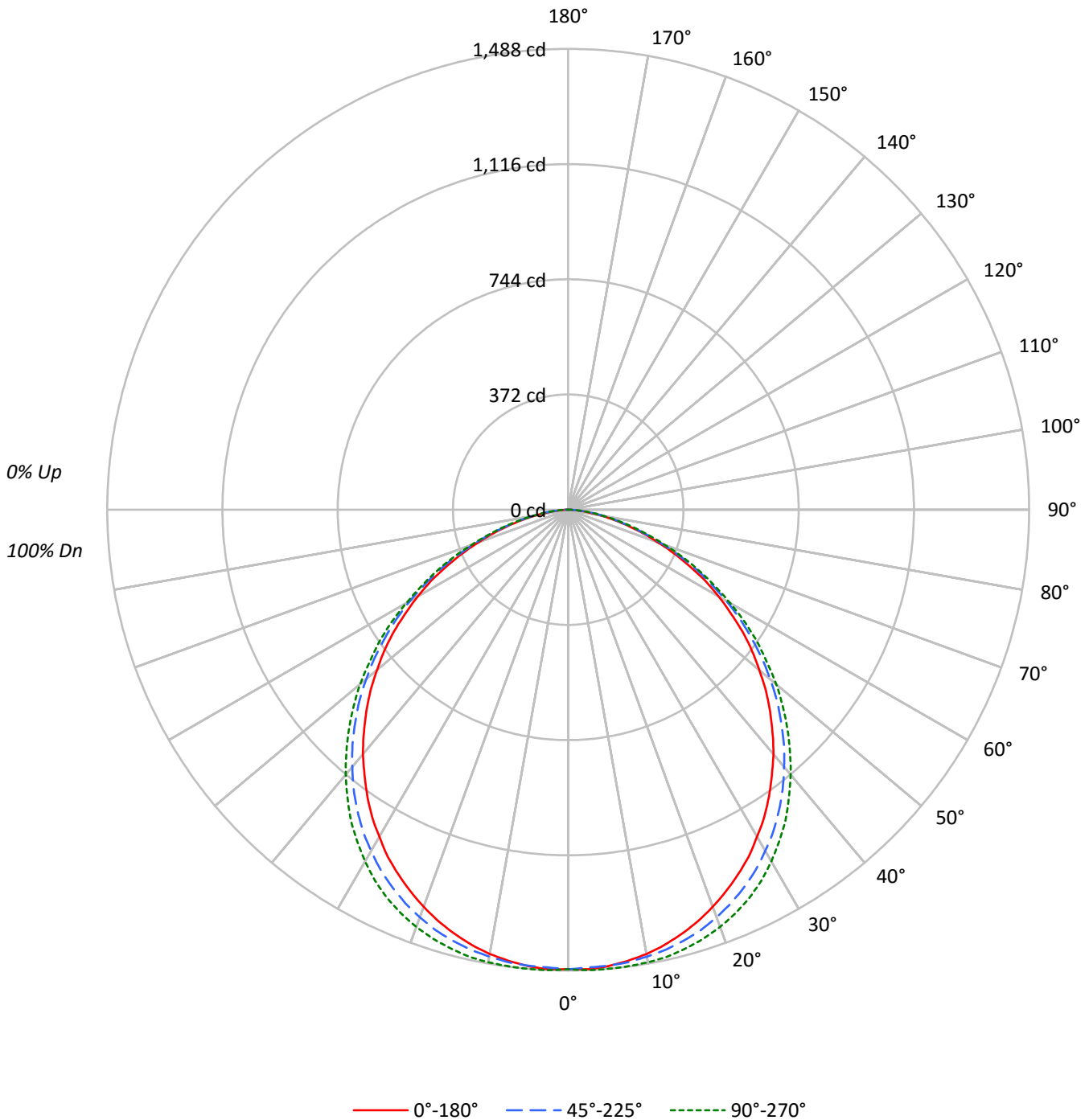
Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297212

CATALOG NUMBER: D3X-WG-45L92765-LD5-UNV-24-T1-W2A-5500K

Luminous Intensity Polar Plot





TEST NUMBER: P297212

CATALOG NUMBER: D3X-WG-45L92765-LD5-UNV-24-T1-W2A-5500K

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°	1997	1997	1997
5°	1998	1996	2010
10°	1990	2002	2027
15°	1975	2007	2043
20°	1954	2005	2053
25°	1928	1996	2053
30°	1894	1977	2037
35°	1856	1948	2010
40°	1811	1904	1962
45°	1754	1850	1904
50°	1685	1782	1836
55°	1612	1693	1747
60°	1509	1586	1625
65°	1378	1451	1488
70°	1210	1273	1306
75°	1024	1077	1114
80°	814	891	914
85°	554	665	644



TEST NUMBER: P297212

CATALOG NUMBER: D3X-WG-45L92765-LD5-UNV-24-T1-W2A-5500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	3.5
10°-20°	407.1	10.1
20°-30°	618.6	15.4
30°-40°	738.1	18.4
40°-50°	745.5	18.6
50°-60°	642.3	16.0
60°-70°	447.7	11.2
70°-80°	221.9	5.5
80°-90°	51.7	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°	1166.7	29.1
0°-40°	1904.8	47.5
0°-60°	3292.6	82.0
0°-90°	4014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1480	1478	1478	1485	1488	140
15°	1418	1425	1441	1459	1467	400
25°	1298	1316	1344	1372	1383	598
35°	1130	1149	1186	1214	1224	706
45°	922	942	972	995	1001	710
55°	687	702	722	739	745	613
65°	433	441	456	460	467	430
75°	197	200	207	211	214	212
85°	36	43	43	40	42	46
90°	0	0	0	0	0	



TEST NUMBER: P297212

CATALOG NUMBER: D3X-WG-45L92765-LD5-UNV-24-T1-W2A-5500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1483.9	1483.9	1483.9	1483.9	1483.9
2.5°	1485.3	1482.5	1479.6	1485.3	1488.2
5°	1479.6	1478.1	1478.1	1485.3	1488.2
7.5°	1469.5	1469.5	1473.8	1483.9	1486.8
10°	1456.6	1459.4	1465.2	1479.6	1483.9
12.5°	1439.3	1445.1	1455.1	1472.4	1478.1
15°	1417.7	1424.9	1440.8	1459.4	1466.6
17.5°	1393.3	1403.4	1423.5	1445.1	1452.3
20°	1364.5	1377.5	1400.5	1424.9	1433.6
22.5°	1332.9	1348.7	1374.6	1400.5	1410.6
25°	1298.4	1315.7	1344.4	1371.7	1383.2
27.5°	1262.5	1279.7	1311.3	1338.7	1350.2
30°	1219.3	1239.5	1272.5	1301.3	1311.3
32.5°	1177.6	1197.8	1232.3	1258.1	1268.2
35°	1130.2	1148.9	1186.2	1213.6	1223.6
37.5°	1079.8	1101.4	1137.4	1161.8	1170.4
40°	1031.0	1049.7	1084.2	1108.6	1117.2
42.5°	976.3	996.4	1031.0	1052.5	1059.7
45°	921.7	941.8	972.0	995.0	1000.8
47.5°	865.6	884.3	914.5	933.2	938.9
50°	805.2	822.5	851.2	869.9	877.1
52.5°	747.7	763.5	788.0	803.8	808.1
55°	687.3	701.7	721.8	739.1	744.8
57.5°	622.6	638.4	657.1	671.5	675.8
60°	560.8	573.7	589.5	602.5	603.9
62.5°	500.4	506.1	520.5	532.0	533.5
65°	432.8	441.4	455.8	460.1	467.3
67.5°	371.0	376.7	388.2	394.0	399.7
70°	307.7	312.0	323.5	330.7	332.1
72.5°	253.1	254.5	263.1	268.9	270.3
75°	197.0	199.9	207.1	211.4	214.2
77.5°	149.5	152.4	158.2	161.0	161.0
80°	105.0	109.3	115.0	116.5	117.9
82.5°	67.6	73.3	77.6	79.1	76.2
85°	35.9	43.1	43.1	40.3	41.7
87.5°	12.9	15.8	17.3	18.7	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)