

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: P296945

Luminaire Tested: **D3X-WD-55L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296945
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-55L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4244.0 lumens
Efficiency: N/A
Efficacy: 112.0 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

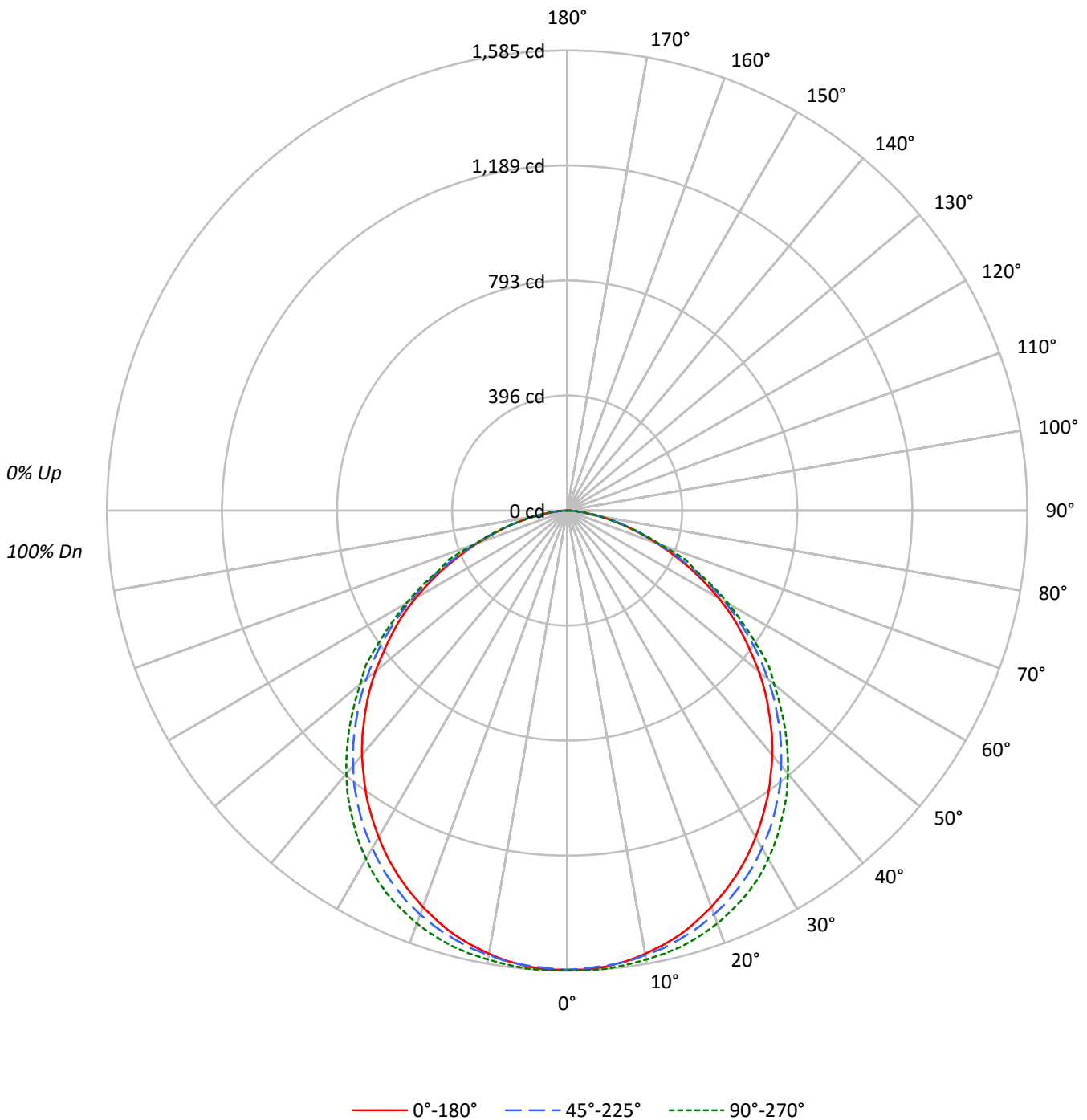
Input Watts (W): 37.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296945

CATALOG NUMBER: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P296945

CATALOG NUMBER: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-3000K

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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2129	2129	2129
5°	2129	2125	2139
10°	2118	2124	2145
15°	2104	2123	2159
20°	2080	2119	2167
25°	2053	2107	2168
30°	2018	2087	2153
35°	1978	2056	2121
40°	1931	2014	2078
45°	1872	1959	2020
50°	1804	1890	1948
55°	1722	1800	1854
60°	1623	1684	1725
65°	1474	1522	1551
70°	1294	1324	1342
75°	1092	1108	1116
80°	873	885	862
85°	588	611	588



TEST NUMBER: P296945

CATALOG NUMBER: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	3.5
10°-20°	431.2	10.2
20°-30°	654.2	15.4
30°-40°	781.1	18.4
40°-50°	790.8	18.6
50°-60°	683.5	16.1
60°-70°	473.7	11.2
70°-80°	229.2	5.4
80°-90°	50.4	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°	1235.3	29.1
0°-40°	2016.4	47.5
0°-60°	3490.7	82.2
0°-90°	4244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1582	1582	1582	1582	1582	
5°	1576	1574	1573	1581	1584	150
15°	1511	1514	1524	1542	1550	426
25°	1383	1392	1419	1448	1460	637
35°	1204	1215	1252	1284	1291	752
45°	984	997	1029	1055	1061	759
55°	734	742	768	799	790	656
65°	463	468	478	486	487	458
75°	210	212	213	212	215	225
85°	38	41	40	38	38	49
90°	0	0	0	0	0	



TEST NUMBER: P296945

CATALOG NUMBER: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1582.1	1582.1	1582.1	1582.1	1582.1
2.5°	1582.1	1580.6	1577.6	1582.1	1585.2
5°	1576.0	1574.5	1573.0	1580.6	1583.7
7.5°	1565.4	1565.4	1566.9	1574.5	1577.6
10°	1550.2	1551.7	1554.7	1566.9	1570.0
12.5°	1531.9	1534.9	1542.5	1556.2	1562.3
15°	1510.6	1513.6	1524.3	1542.5	1550.2
17.5°	1483.2	1489.2	1504.5	1525.8	1533.4
20°	1452.7	1460.3	1480.1	1504.5	1513.6
22.5°	1419.2	1426.8	1452.7	1478.6	1487.7
25°	1382.7	1391.8	1419.2	1448.1	1460.3
27.5°	1343.1	1353.7	1384.2	1414.6	1426.8
30°	1298.9	1311.1	1343.1	1375.0	1385.7
32.5°	1251.7	1263.9	1300.4	1330.9	1341.5
35°	1204.5	1215.2	1251.7	1283.7	1291.3
37.5°	1151.2	1163.4	1203.0	1230.4	1241.0
40°	1099.4	1111.6	1146.6	1174.0	1183.2
42.5°	1043.1	1055.3	1090.3	1116.2	1123.8
45°	983.7	997.4	1029.4	1055.3	1061.4
47.5°	924.3	935.0	968.5	991.3	995.9
50°	861.9	872.5	903.0	925.8	930.4
52.5°	796.4	813.1	837.5	854.3	874.1
55°	734.0	741.6	767.5	799.4	790.3
57.5°	671.5	676.1	697.4	711.1	714.2
60°	603.0	609.1	625.8	633.5	641.1
62.5°	531.4	536.0	555.8	563.4	566.5
65°	462.9	467.5	478.1	485.8	487.3
67.5°	392.9	397.4	406.6	412.7	440.1
70°	328.9	332.0	336.5	348.7	341.1
72.5°	268.0	269.5	274.1	274.1	275.6
75°	210.1	211.7	213.2	211.7	214.7
77.5°	156.8	159.9	161.4	159.9	158.4
80°	112.7	115.7	114.2	111.2	111.2
82.5°	73.1	74.6	73.1	71.6	71.6
85°	38.1	41.1	39.6	38.1	38.1
87.5°	13.7	15.2	16.8	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)