

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: P296922

Luminaire Tested: **D3X-WD-42L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296922
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-42L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3657.0 lumens
Efficiency: N/A
Efficacy: 122.7 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

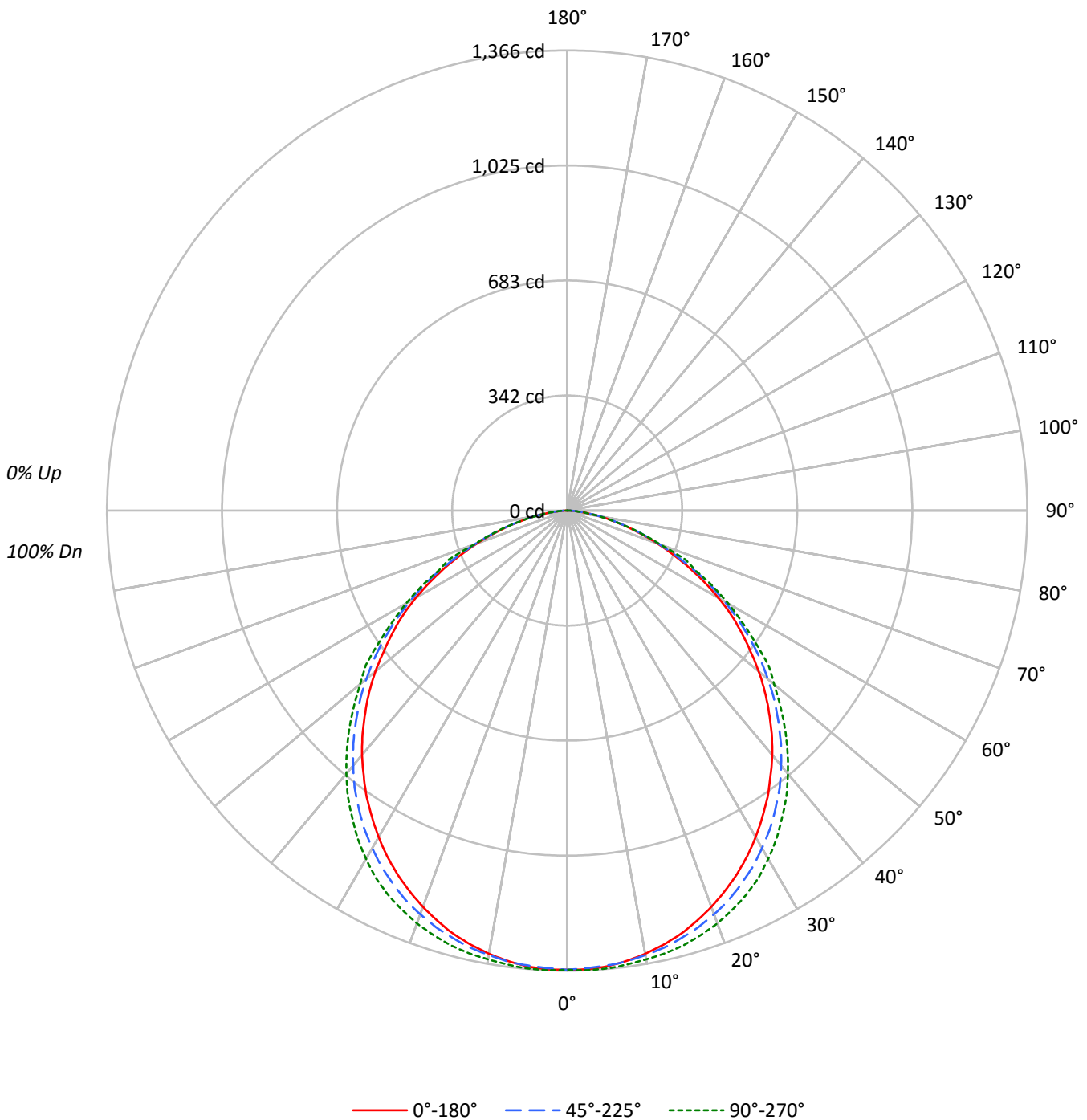
Input Watts (W): 29.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296922

CATALOG NUMBER: D3X-WD-42L92765-LD5-UNV-24-T1-W2A-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P296922

CATALOG NUMBER: D3X-WD-42L92765-LD5-UNV-24-T1-W2A-5000K

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°	1834	1834	1834
5°	1834	1831	1843
10°	1825	1830	1848
15°	1813	1830	1861
20°	1792	1826	1868
25°	1769	1815	1868
30°	1739	1798	1855
35°	1705	1772	1828
40°	1664	1735	1791
45°	1613	1688	1740
50°	1555	1629	1678
55°	1483	1551	1597
60°	1398	1451	1486
65°	1270	1312	1337
70°	1115	1141	1156
75°	941	955	962
80°	752	762	742
85°	506	526	506



TEST NUMBER: P296922

CATALOG NUMBER: D3X-WD-42L92765-LD5-UNV-24-T1-W2A-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	3.5
10°-20°	371.5	10.2
20°-30°	563.7	15.4
30°-40°	673.0	18.4
40°-50°	681.4	18.6
50°-60°	589.0	16.1
60°-70°	408.2	11.2
70°-80°	197.5	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°	1064.5	29.1
0°-40°	1737.5	47.5
0°-60°	3007.9	82.2
0°-90°	3657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1363	1363	1363	1363	1363	
5°	1358	1357	1355	1362	1365	129
15°	1302	1304	1313	1329	1336	367
25°	1191	1199	1223	1248	1258	549
35°	1038	1047	1079	1106	1113	648
45°	848	859	887	909	915	654
55°	632	639	661	689	681	565
65°	399	403	412	419	420	395
75°	181	182	184	182	185	194
85°	33	35	34	33	33	42
90°	0	0	0	0	0	



TEST NUMBER: P296922

CATALOG NUMBER: D3X-WD-42L92765-LD5-UNV-24-T1-W2A-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1363.3	1363.3	1363.3	1363.3	<i>1363.3</i>
2.5°	<i>1363.3</i>	<i>1362.0</i>	<i>1359.4</i>	<i>1363.3</i>	<i>1365.9</i>
5°	1358.1	1356.7	1355.4	1362.0	<i>1364.6</i>
7.5°	1348.9	1348.9	1350.2	1356.7	<i>1359.4</i>
10°	1335.7	1337.1	1339.7	1350.2	<i>1352.8</i>
12.5°	1320.0	1322.6	1329.2	1341.0	<i>1346.2</i>
15°	1301.6	1304.3	1313.4	1329.2	<i>1335.7</i>
17.5°	1278.0	1283.3	1296.4	1314.8	<i>1321.3</i>
20°	1251.8	1258.3	1275.4	1296.4	<i>1304.3</i>
22.5°	1222.9	1229.5	1251.8	1274.1	<i>1282.0</i>
25°	1191.4	1199.3	1222.9	1247.8	<i>1258.3</i>
27.5°	1157.3	1166.5	1192.7	1219.0	<i>1229.5</i>
30°	1119.2	1129.7	1157.3	1184.9	<i>1194.0</i>
32.5°	1078.6	1089.1	1120.6	1146.8	<i>1156.0</i>
35°	1037.9	1047.1	1078.6	1106.1	<i>1112.7</i>
37.5°	992.0	1002.5	1036.6	1060.2	<i>1069.4</i>
40°	947.4	957.9	988.0	1011.7	<i>1019.5</i>
42.5°	898.8	909.3	939.5	961.8	<i>968.4</i>
45°	847.6	859.4	887.0	909.3	<i>914.6</i>
47.5°	796.5	805.6	834.5	854.2	<i>858.1</i>
50°	742.7	751.9	778.1	797.8	<i>801.7</i>
52.5°	686.2	700.7	721.7	736.1	<i>753.2</i>
55°	632.4	639.0	661.3	688.9	<i>681.0</i>
57.5°	578.6	582.6	601.0	612.8	<i>615.4</i>
60°	519.6	524.9	539.3	545.8	<i>552.4</i>
62.5°	457.9	461.9	478.9	485.5	<i>488.1</i>
65°	398.9	402.8	412.0	418.6	<i>419.9</i>
67.5°	338.5	342.5	350.3	355.6	<i>379.2</i>
70°	283.4	286.0	290.0	300.5	<i>293.9</i>
72.5°	230.9	232.2	236.2	236.2	<i>237.5</i>
75°	181.1	182.4	183.7	182.4	<i>185.0</i>
77.5°	135.1	137.8	139.1	137.8	<i>136.5</i>
80°	97.1	99.7	98.4	95.8	<i>95.8</i>
82.5°	63.0	64.3	63.0	61.7	<i>61.7</i>
85°	32.8	35.4	34.1	32.8	<i>32.8</i>
87.5°	11.8	13.1	14.4	15.7	<i>15.7</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)