

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: P296927

Luminaire Tested: **D3X-WD-45L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296927  
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-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: 3478.0 lumens  
Efficiency: N/A  
Efficacy: 111.5 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

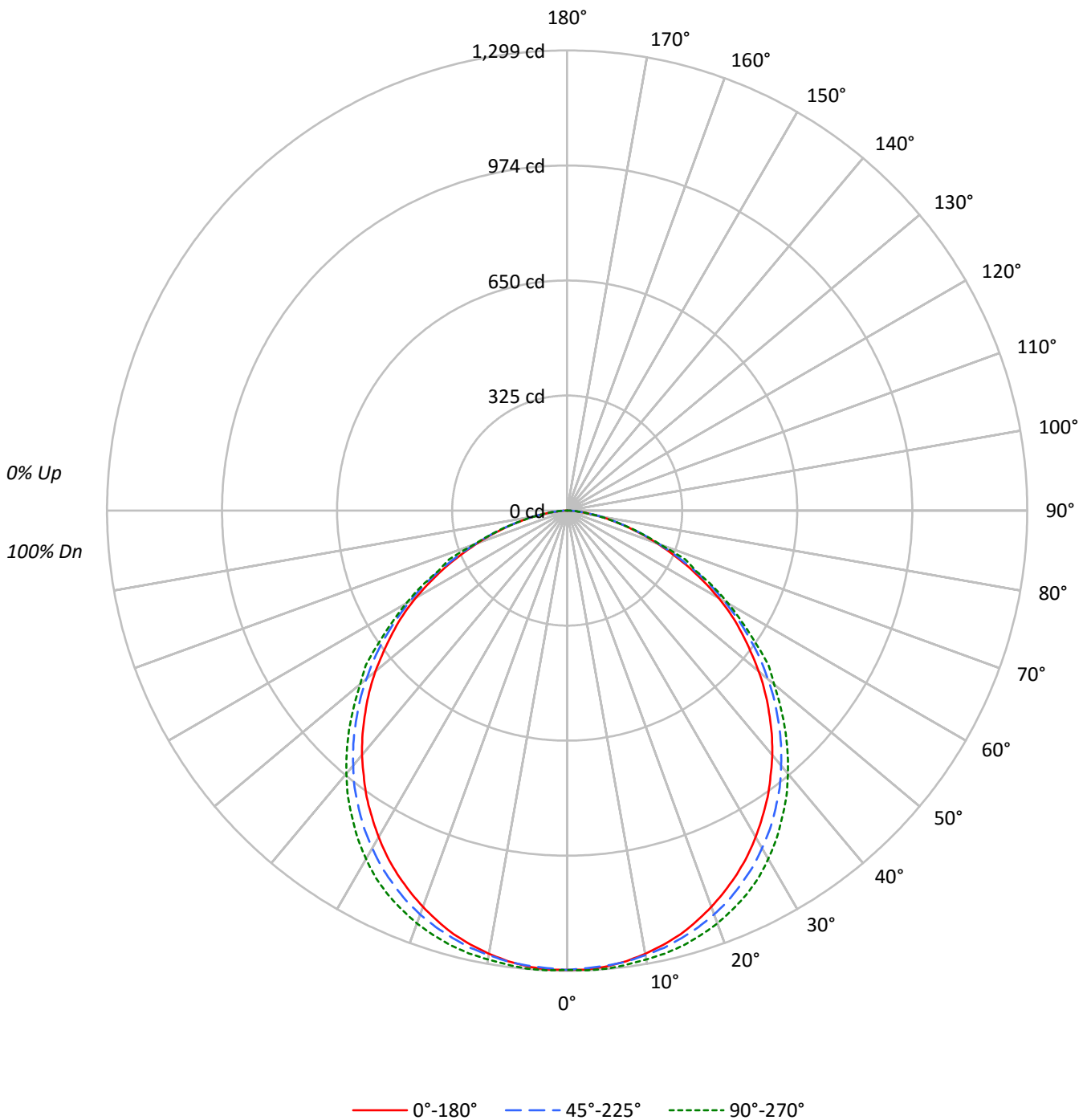
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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°	1745	1745	1745
5°	1744	1741	1753
10°	1736	1741	1758
15°	1724	1740	1770
20°	1705	1737	1776
25°	1682	1727	1777
30°	1654	1710	1764
35°	1621	1685	1738
40°	1583	1651	1703
45°	1534	1605	1655
50°	1478	1549	1596
55°	1411	1475	1519
60°	1330	1380	1414
65°	1208	1247	1271
70°	1060	1085	1100
75°	895	908	915
80°	715	725	706
85°	482	500	482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.9	3.5
10°-20°	353.4	10.2
20°-30°	536.1	15.4
30°-40°	640.1	18.4
40°-50°	648.0	18.6
50°-60°	560.1	16.1
60°-70°	388.2	11.2
70°-80°	187.8	5.4
80°-90°	41.3	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°	1012.4	29.1
0°-40°	1652.5	47.5
0°-60°	2860.6	82.2
0°-90°	3478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3478.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1297	1297	1297	1297	1297	
5°	1292	1290	1289	1295	1298	123
15°	1238	1240	1249	1264	1270	349
25°	1133	1141	1163	1187	1197	522
35°	987	996	1026	1052	1058	617
45°	806	817	844	865	870	622
55°	602	608	629	655	648	538
65°	379	383	392	398	399	375
75°	172	174	175	174	176	185
85°	31	34	32	31	31	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1296.6	1295.3	1292.8	1296.6	1299.1
5°	1291.6	1290.3	1289.1	1295.3	1297.8
7.5°	1282.8	1282.8	1284.1	1290.3	1292.8
10°	1270.4	1271.6	1274.1	1284.1	1286.6
12.5°	1255.4	1257.9	1264.1	1275.4	1280.4
15°	1237.9	1240.4	1249.2	1264.1	1270.4
17.5°	1215.5	1220.5	1232.9	1250.4	1256.6
20°	1190.5	1196.7	1213.0	1232.9	1240.4
22.5°	1163.0	1169.3	1190.5	1211.7	1219.2
25°	1133.1	1140.6	1163.0	1186.8	1196.7
27.5°	1100.7	1109.4	1134.3	1159.3	1169.3
30°	1064.5	1074.4	1100.7	1126.9	1135.6
32.5°	1025.8	1035.8	1065.7	1090.7	1099.4
35°	987.1	995.8	1025.8	1052.0	1058.2
37.5°	943.4	953.4	985.8	1008.3	1017.0
40°	901.0	911.0	939.7	962.1	969.6
42.5°	854.8	864.8	893.5	914.7	921.0
45°	806.1	817.4	843.6	864.8	869.8
47.5°	757.5	766.2	793.7	812.4	816.1
50°	706.3	715.0	740.0	758.7	762.5
52.5°	652.7	666.4	686.3	700.1	716.3
55°	601.5	607.7	628.9	655.2	647.7
57.5°	550.3	554.1	571.5	582.8	585.3
60°	494.2	499.2	512.9	519.1	525.4
62.5°	435.5	439.3	455.5	461.7	464.2
65°	379.4	383.1	391.8	398.1	399.3
67.5°	322.0	325.7	333.2	338.2	360.6
70°	269.5	272.0	275.8	285.8	279.5
72.5°	219.6	220.9	224.6	224.6	225.9
75°	172.2	173.5	174.7	173.5	176.0
77.5°	128.5	131.0	132.3	131.0	129.8
80°	92.3	94.8	93.6	91.1	91.1
82.5°	59.9	61.1	59.9	58.7	58.7
85°	31.2	33.7	32.4	31.2	31.2
87.5°	11.2	12.5	13.7	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)