

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: P296934

Luminaire Tested: **D3X-WD-45L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296934  
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-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4051.0 lumens  
Efficiency: N/A  
Efficacy: 122.8 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

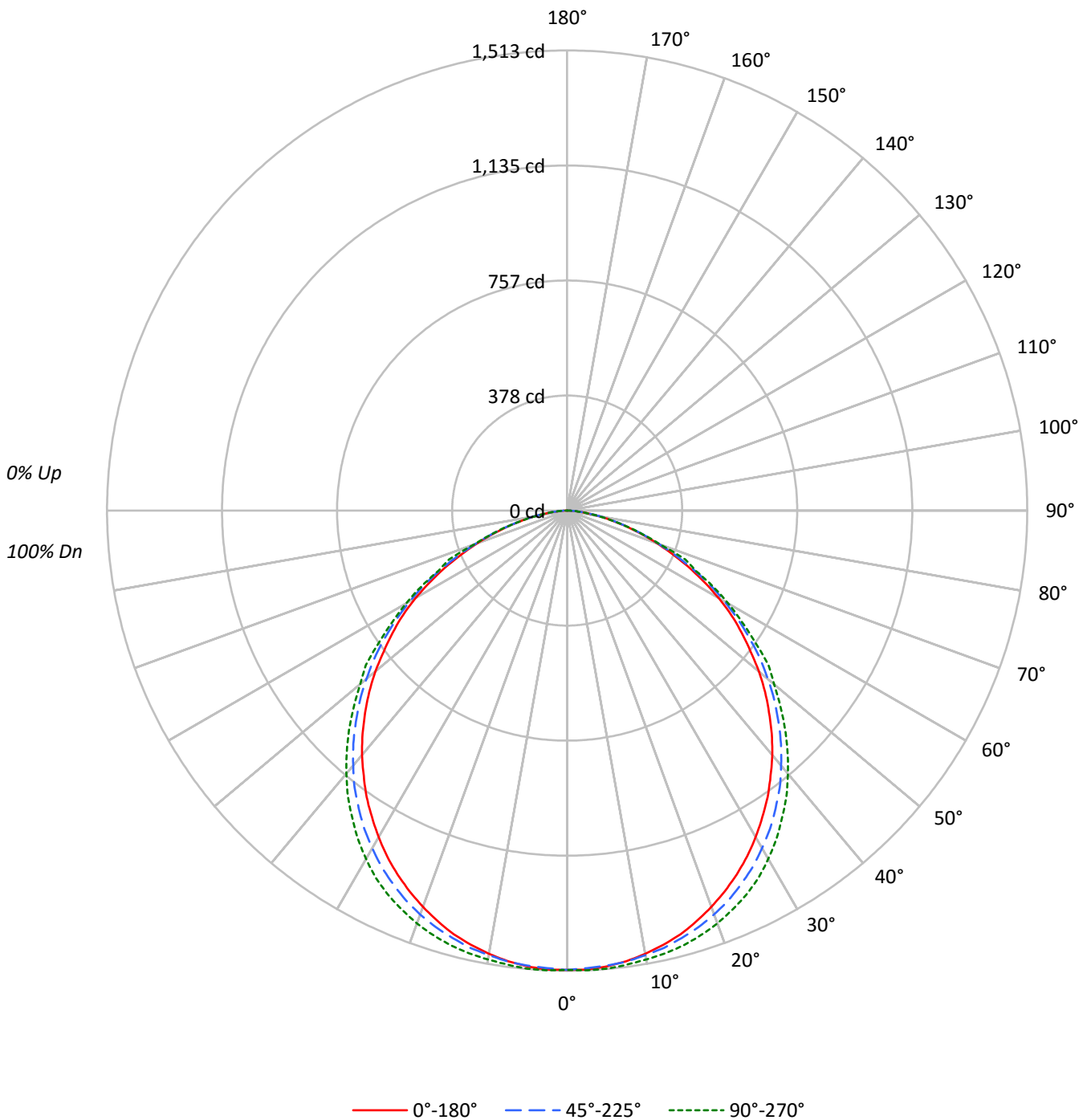
Input Watts (W): 33  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2032	2032	2032
5°	2032	2028	2042
10°	2022	2028	2047
15°	2008	2027	2061
20°	1985	2023	2069
25°	1959	2011	2069
30°	1926	1992	2055
35°	1888	1963	2025
40°	1843	1922	1984
45°	1787	1870	1928
50°	1722	1804	1859
55°	1643	1719	1770
60°	1549	1608	1647
65°	1407	1453	1481
70°	1235	1264	1281
75°	1043	1058	1065
80°	834	845	822
85°	560	584	560



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.1	3.5
10°-20°	411.6	10.2
20°-30°	624.5	15.4
30°-40°	745.5	18.4
40°-50°	754.8	18.6
50°-60°	652.4	16.1
60°-70°	452.2	11.2
70°-80°	218.8	5.4
80°-90°	48.1	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°	1179.2	29.1
0°-40°	1924.7	47.5
0°-60°	3331.9	82.2
0°-90°	4051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4051.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1510	1510	1510	1510	1510	
5°	1504	1503	1502	1509	1512	143
15°	1442	1445	1455	1472	1480	406
25°	1320	1328	1355	1382	1394	608
35°	1150	1160	1195	1225	1233	718
45°	939	952	983	1007	1013	724
55°	701	708	733	763	754	626
65°	442	446	456	464	465	437
75°	201	202	204	202	205	215
85°	36	39	38	36	36	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1510.2	1510.2	1510.2	1510.2	1510.2
2.5°	1510.2	1508.7	1505.8	1510.2	1513.1
5°	1504.4	1502.9	1501.5	1508.7	1511.6
7.5°	1494.2	1494.2	1495.6	1502.9	1505.8
10°	1479.7	1481.1	1484.0	1495.6	1498.6
12.5°	1462.2	1465.1	1472.4	1485.5	1491.3
15°	1441.9	1444.8	1455.0	1472.4	1479.7
17.5°	1415.7	1421.5	1436.1	1456.4	1463.7
20°	1386.6	1393.9	1412.8	1436.1	1444.8
22.5°	1354.7	1361.9	1386.6	1411.3	1420.1
25°	1319.8	1328.5	1354.7	1382.3	1393.9
27.5°	1282.0	1292.2	1321.2	1350.3	1361.9
30°	1239.8	1251.5	1282.0	1312.5	1322.7
32.5°	1194.8	1206.4	1241.3	1270.4	1280.5
35°	1149.7	1159.9	1194.8	1225.3	1232.6
37.5°	1098.8	1110.5	1148.3	1174.4	1184.6
40°	1049.4	1061.1	1094.5	1120.6	1129.4
42.5°	995.6	1007.3	1040.7	1065.4	1072.7
45°	939.0	952.0	982.6	1007.3	1013.1
47.5°	882.3	892.4	924.4	946.2	950.6
50°	822.7	832.9	861.9	883.7	888.1
52.5°	760.2	776.2	799.4	815.4	834.3
55°	700.6	707.9	732.6	763.1	754.4
57.5°	641.0	645.4	665.7	678.8	681.7
60°	575.6	581.4	597.4	604.7	611.9
62.5°	507.3	511.6	530.5	537.8	540.7
65°	441.9	446.2	456.4	463.7	465.1
67.5°	375.0	379.4	388.1	393.9	420.1
70°	314.0	316.9	321.2	332.9	325.6
72.5°	255.8	257.3	261.6	261.6	263.1
75°	200.6	202.0	203.5	202.0	204.9
77.5°	149.7	152.6	154.1	152.6	151.2
80°	107.6	110.5	109.0	106.1	106.1
82.5°	69.8	71.2	69.8	68.3	68.3
85°	36.3	39.2	37.8	36.3	36.3
87.5°	13.1	14.5	16.0	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)