

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: P297214

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297214  
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-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4058.0 lumens  
Efficiency: N/A  
Efficacy: 123.0 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

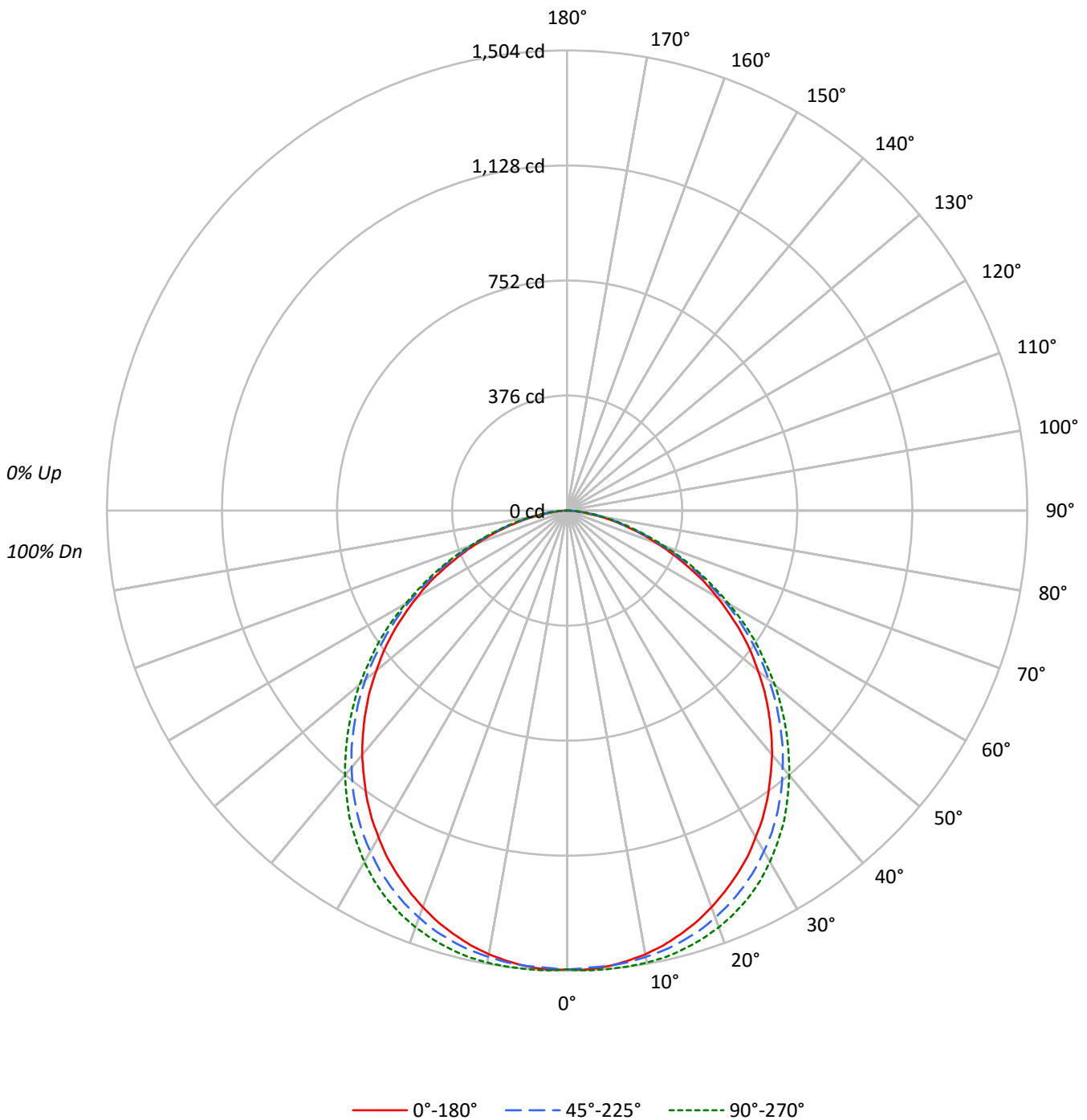
Input Watts (W): 33  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2019	2019	2019
5°	2020	2018	2032
10°	2012	2024	2050
15°	1997	2029	2065
20°	1975	2027	2075
25°	1949	2018	2076
30°	1915	1999	2060
35°	1877	1970	2032
40°	1831	1925	1984
45°	1773	1870	1925
50°	1704	1801	1856
55°	1630	1712	1766
60°	1526	1604	1643
65°	1393	1467	1504
70°	1224	1287	1321
75°	1035	1088	1126
80°	822	901	924
85°	560	673	651



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.5	3.5
10°-20°	411.5	10.1
20°-30°	625.4	15.4
30°-40°	746.2	18.4
40°-50°	753.7	18.6
50°-60°	649.3	16.0
60°-70°	452.7	11.2
70°-80°	224.3	5.5
80°-90°	52.3	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°	1179.4	29.1
0°-40°	1925.7	47.5
0°-60°	3328.7	82.0
0°-90°	4058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4058.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1500	1500	1500	1500	1500	
5°	1496	1494	1494	1502	1504	142
15°	1433	1441	1456	1475	1483	404
25°	1313	1330	1359	1387	1398	605
35°	1143	1162	1199	1227	1237	714
45°	932	952	983	1006	1012	718
55°	695	709	730	747	753	619
65°	438	446	461	465	472	434
75°	199	202	209	214	217	215
85°	36	44	44	41	42	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1500.2	1500.2	1500.2	1500.2	1500.2
2.5°	1501.6	1498.7	1495.8	1501.6	1504.5
5°	1495.8	1494.3	1494.3	1501.6	1504.5
7.5°	1485.6	1485.6	1490.0	1500.2	1503.1
10°	1472.5	1475.4	1481.3	1495.8	1500.2
12.5°	1455.1	1460.9	1471.1	1488.5	1494.3
15°	1433.3	1440.6	1456.5	1475.4	1482.7
17.5°	1408.6	1418.8	1439.1	1460.9	1468.2
20°	1379.5	1392.6	1415.8	1440.6	1449.3
22.5°	1347.5	1363.5	1389.7	1415.8	1426.0
25°	1312.6	1330.1	1359.2	1386.8	1398.4
27.5°	1276.3	1293.7	1325.7	1353.3	1365.0
30°	1232.7	1253.0	1286.5	1315.5	1325.7
32.5°	1190.5	1210.9	1245.8	1271.9	1282.1
35°	1142.6	1161.5	1199.3	1226.9	1237.0
37.5°	1091.7	1113.5	1149.8	1174.5	1183.3
40°	1042.3	1061.2	1096.0	1120.8	1129.5
42.5°	987.0	1007.4	1042.3	1064.1	1071.3
45°	931.8	952.1	982.7	1005.9	1011.7
47.5°	875.1	894.0	924.5	943.4	949.2
50°	814.0	831.5	860.6	879.5	886.7
52.5°	755.9	771.9	796.6	812.6	816.9
55°	694.8	709.4	729.7	747.2	753.0
57.5°	629.4	645.4	664.3	678.8	683.2
60°	566.9	580.0	596.0	609.1	610.5
62.5°	505.9	511.7	526.2	537.8	539.3
65°	437.5	446.3	460.8	465.2	472.4
67.5°	375.0	380.9	392.5	398.3	404.1
70°	311.1	315.4	327.1	334.3	335.8
72.5°	255.8	257.3	266.0	271.8	273.3
75°	199.1	202.1	209.3	213.7	216.6
77.5°	151.2	154.1	159.9	162.8	162.8
80°	106.1	110.5	116.3	117.7	119.2
82.5°	68.3	74.1	78.5	80.0	77.0
85°	36.3	43.6	43.6	40.7	42.2
87.5°	13.1	16.0	17.4	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)