

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: P297234

Luminaire Tested: **D3X-WG-60L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297234  
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-60L92765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4616.0 lumens  
Efficiency: N/A  
Efficacy: 107.6 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

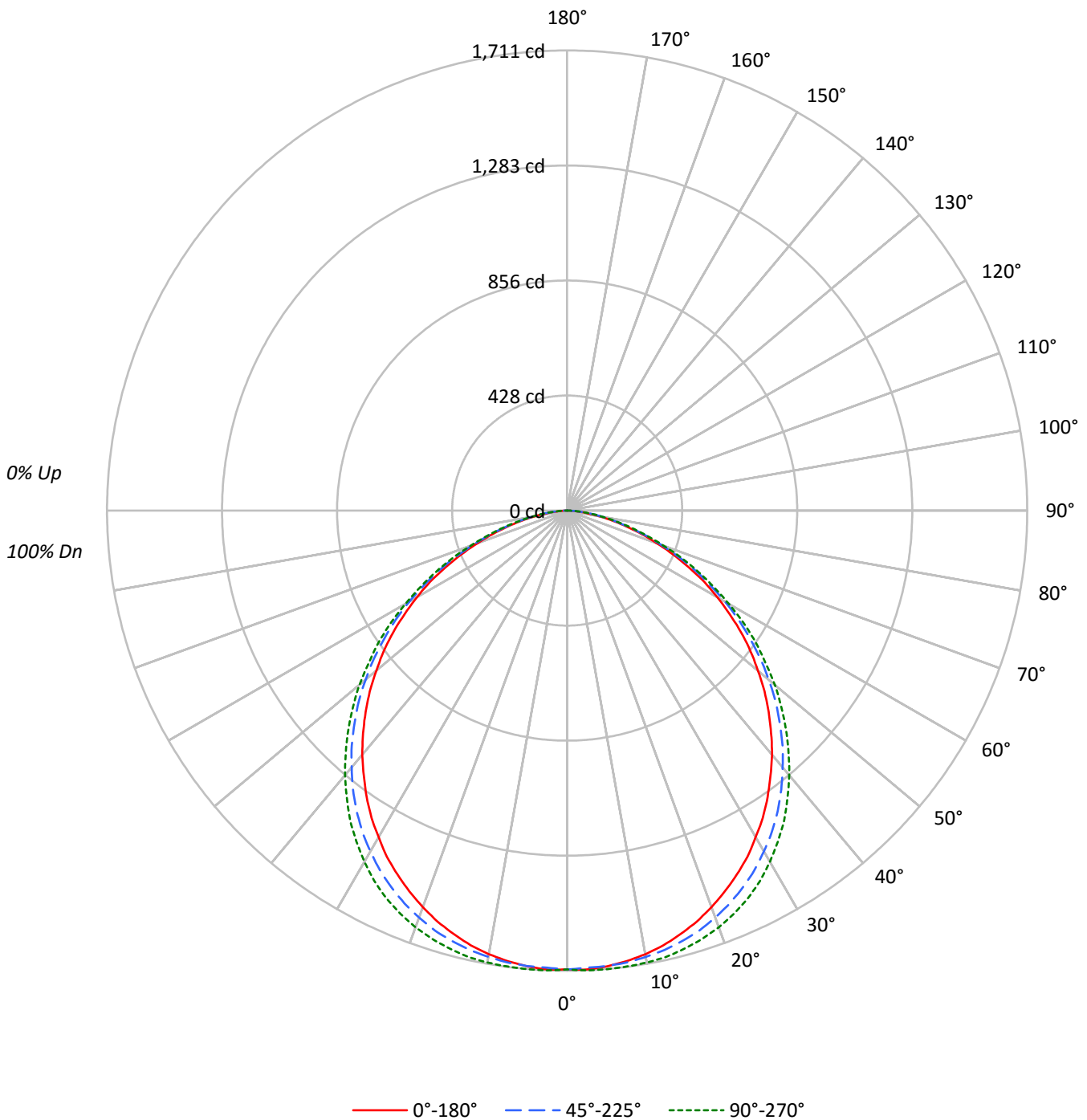
Input Watts (W): 42.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2296	2296	2296
5°	2298	2296	2311
10°	2288	2302	2331
15°	2271	2308	2349
20°	2247	2306	2361
25°	2217	2295	2362
30°	2179	2274	2343
35°	2135	2241	2311
40°	2082	2190	2257
45°	2017	2127	2190
50°	1938	2049	2111
55°	1854	1947	2009
60°	1735	1824	1869
65°	1585	1669	1711
70°	1392	1463	1503
75°	1177	1238	1281
80°	935	1025	1051
85°	638	766	741



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.1	3.5
10°-20°	468.1	10.1
20°-30°	711.4	15.4
30°-40°	848.9	18.4
40°-50°	857.3	18.6
50°-60°	738.6	16.0
60°-70°	514.9	11.2
70°-80°	255.2	5.5
80°-90°	59.5	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°	1341.6	29.1
0°-40°	2190.5	47.5
0°-60°	3786.4	82.0
0°-90°	4616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4616.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1706	1706	1706	1706	1706	
5°	1702	1700	1700	1708	1711	162
15°	1630	1639	1657	1678	1687	460
25°	1493	1513	1546	1578	1591	688
35°	1300	1321	1364	1396	1407	812
45°	1060	1083	1118	1144	1151	817
55°	790	807	830	850	856	704
65°	498	508	524	529	537	494
75°	226	230	238	243	246	244
85°	41	50	50	46	48	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1706.4	1706.4	1706.4	1706.4	1706.4
2.5°	1708.1	1704.8	1701.5	1708.1	1711.4
5°	1701.5	1699.8	1699.8	1708.1	1711.4
7.5°	1689.9	1689.9	1694.9	1706.4	1709.7
10°	1675.0	1678.3	1684.9	1701.5	1706.4
12.5°	1655.2	1661.8	1673.4	1693.2	1699.8
15°	1630.4	1638.6	1656.8	1678.3	1686.6
17.5°	1602.3	1613.8	1637.0	1661.8	1670.1
20°	1569.2	1584.1	1610.5	1638.6	1648.6
22.5°	1532.8	1551.0	1580.8	1610.5	1622.1
25°	1493.1	1513.0	1546.0	1577.5	1590.7
27.5°	1451.8	1471.6	1508.0	1539.4	1552.7
30°	1402.2	1425.3	1463.4	1496.4	1508.0
32.5°	1354.2	1377.4	1417.1	1446.8	1458.4
35°	1299.7	1321.2	1364.2	1395.6	1407.1
37.5°	1241.8	1266.6	1307.9	1336.0	1346.0
40°	1185.6	1207.1	1246.8	1274.9	1284.8
42.5°	1122.7	1145.9	1185.6	1210.4	1218.6
45°	1059.9	1083.1	1117.8	1144.2	1150.9
47.5°	995.4	1016.9	1051.6	1073.1	1079.8
50°	926.0	945.8	978.9	1000.4	1008.7
52.5°	859.8	878.0	906.1	924.3	929.3
55°	790.4	806.9	830.1	849.9	856.5
57.5°	716.0	734.2	755.7	772.2	777.2
60°	644.9	659.8	677.9	692.8	694.5
62.5°	575.4	582.0	598.6	611.8	613.5
65°	497.7	507.6	524.2	529.1	537.4
67.5°	426.6	433.2	446.5	453.1	459.7
70°	353.9	358.8	372.0	380.3	382.0
72.5°	291.0	292.7	302.6	309.2	310.9
75°	226.5	229.8	238.1	243.1	246.4
77.5°	172.0	175.3	181.9	185.2	185.2
80°	120.7	125.7	132.3	133.9	135.6
82.5°	77.7	84.3	89.3	90.9	87.6
85°	41.3	49.6	49.6	46.3	48.0
87.5°	14.9	18.2	19.8	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)