

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: P297223

Luminaire Tested: **D3X-WG-50L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297223  
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-50L92765-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: 4454.0 lumens  
Efficiency: N/A  
Efficacy: 121.7 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

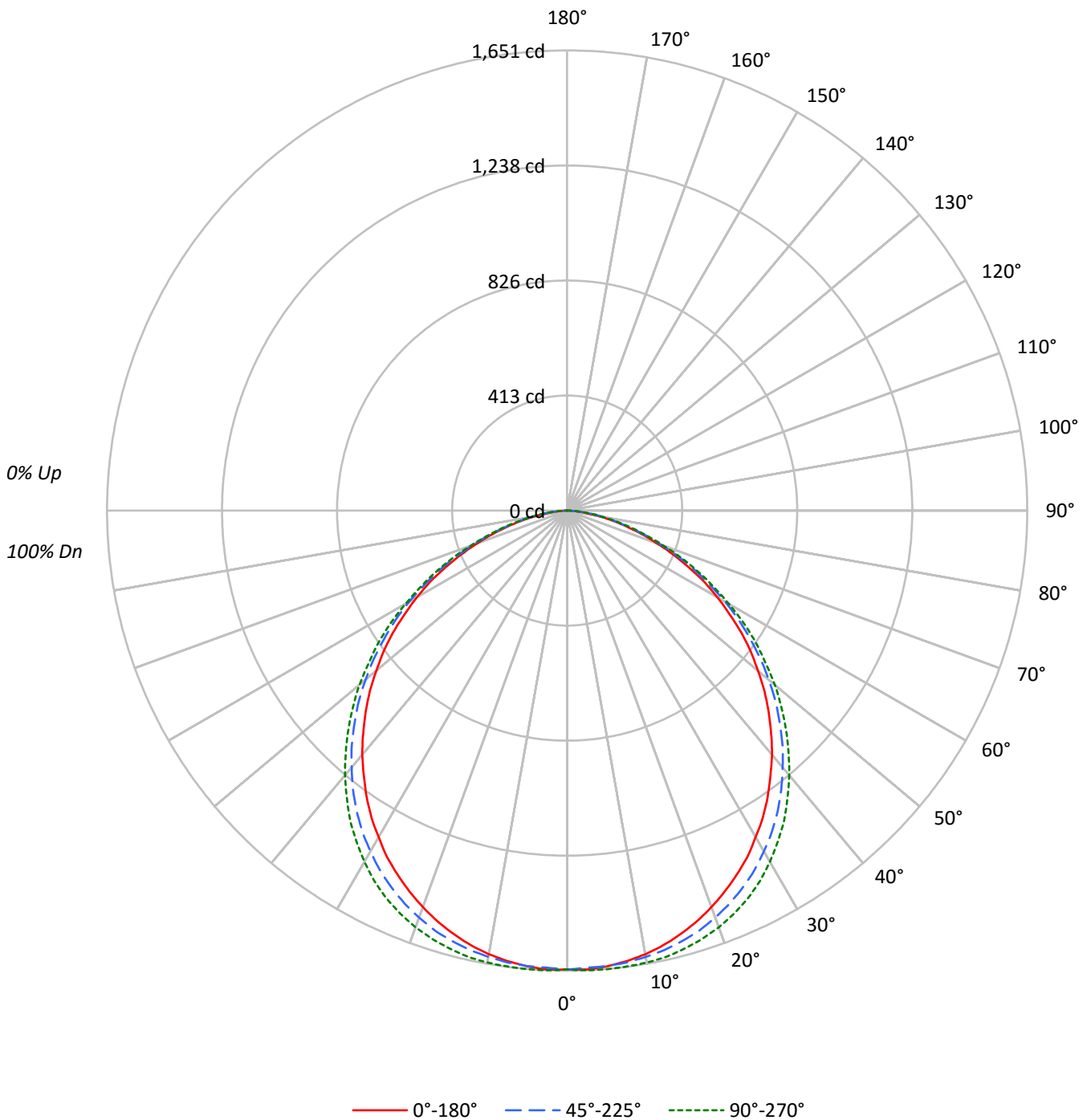
Input Watts (W): 36.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2215	2215	2215
5°	2217	2215	2230
10°	2208	2221	2250
15°	2191	2227	2267
20°	2168	2225	2278
25°	2139	2215	2279
30°	2102	2194	2261
35°	2060	2162	2230
40°	2009	2113	2177
45°	1946	2052	2113
50°	1870	1977	2037
55°	1789	1879	1939
60°	1674	1760	1803
65°	1529	1610	1651
70°	1343	1412	1450
75°	1136	1195	1236
80°	903	989	1013
85°	616	739	715



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.4	3.5
10°-20°	451.7	10.1
20°-30°	686.4	15.4
30°-40°	819.1	18.4
40°-50°	827.2	18.6
50°-60°	712.7	16.0
60°-70°	496.8	11.2
70°-80°	246.2	5.5
80°-90°	57.4	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°	1294.5	29.1
0°-40°	2113.6	47.5
0°-60°	3653.5	82.0
0°-90°	4454.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4454.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1646	1646	1646	1646	1646	
5°	1642	1640	1640	1648	1651	156
15°	1573	1581	1599	1619	1627	444
25°	1441	1460	1492	1522	1535	664
35°	1254	1275	1316	1347	1358	784
45°	1023	1045	1079	1104	1110	788
55°	763	779	801	820	826	680
65°	480	490	506	511	518	477
75°	219	222	230	234	238	236
85°	40	48	48	45	46	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1646.5	1646.5	1646.5	1646.5	1646.5
2.5°	1648.1	1645.0	1641.8	1648.1	1651.3
5°	1641.8	1640.2	1640.2	1648.1	1651.3
7.5°	1630.6	1630.6	1635.4	1646.5	1649.7
10°	1616.2	1619.4	1625.8	1641.8	1646.5
12.5°	1597.1	1603.5	1614.6	1633.8	1640.2
15°	1573.2	1581.1	1598.7	1619.4	1627.4
17.5°	1546.0	1557.2	1579.5	1603.5	1611.4
20°	1514.1	1528.5	1554.0	1581.1	1590.7
22.5°	1479.0	1496.6	1525.3	1554.0	1565.2
25°	1440.7	1459.9	1491.8	1522.1	1534.9
27.5°	1400.8	1420.0	1455.1	1485.4	1498.2
30°	1353.0	1375.3	1412.0	1443.9	1455.1
32.5°	1306.7	1329.0	1367.3	1396.1	1407.2
35°	1254.1	1274.8	1316.3	1346.6	1357.8
37.5°	1198.2	1222.1	1262.0	1289.2	1298.7
40°	1144.0	1164.7	1203.0	1230.1	1239.7
42.5°	1083.3	1105.7	1144.0	1167.9	1175.9
45°	1022.7	1045.0	1078.6	1104.1	1110.5
47.5°	960.5	981.2	1014.7	1035.5	1041.9
50°	893.5	912.6	944.5	965.3	973.3
52.5°	829.7	847.2	874.3	891.9	896.7
55°	762.6	778.6	800.9	820.1	826.5
57.5°	690.8	708.4	729.1	745.1	749.9
60°	622.2	636.6	654.2	668.5	670.1
62.5°	555.2	561.6	577.6	590.3	591.9
65°	480.2	489.8	505.8	510.6	518.5
67.5°	411.6	418.0	430.8	437.2	443.5
70°	341.4	346.2	359.0	367.0	368.6
72.5°	280.8	282.4	292.0	298.4	300.0
75°	218.6	221.8	229.8	234.5	237.7
77.5°	165.9	169.1	175.5	178.7	178.7
80°	116.5	121.3	127.6	129.2	130.8
82.5°	75.0	81.4	86.2	87.8	84.6
85°	39.9	47.9	47.9	44.7	46.3
87.5°	14.4	17.6	19.1	20.7	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)