

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: P296940

Luminaire Tested: **D3X-WD-50L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296940  
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-50L92765-LD5-UNV-24-T1-W2A-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4331.0 lumens  
Efficiency: N/A  
Efficacy: 121.0 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

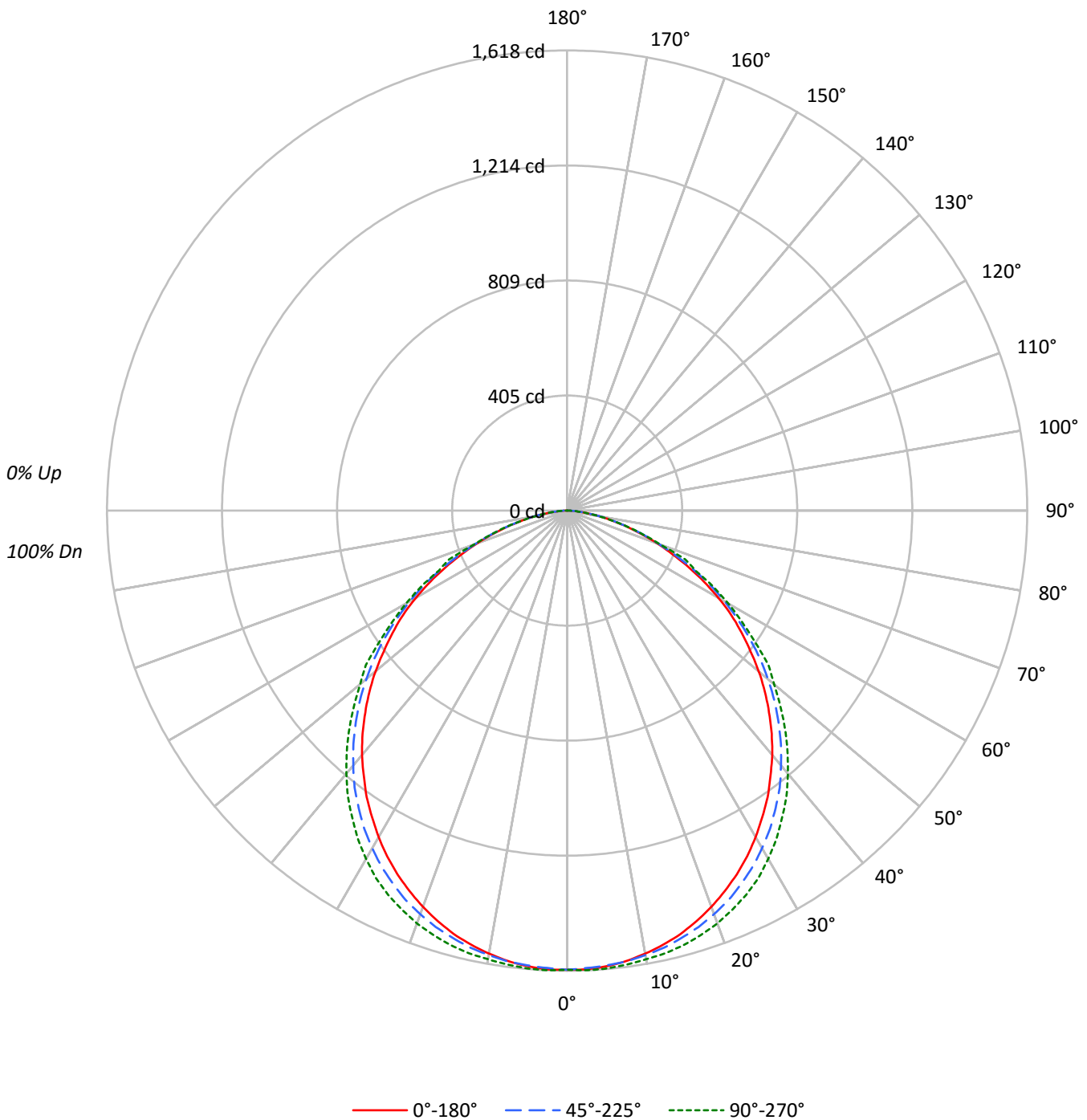
Input Watts (W): 35.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2172	2172	2172
5°	2172	2168	2183
10°	2161	2168	2189
15°	2147	2167	2204
20°	2123	2163	2212
25°	2095	2150	2212
30°	2059	2129	2197
35°	2019	2098	2165
40°	1971	2055	2121
45°	1910	1999	2061
50°	1841	1929	1988
55°	1757	1837	1892
60°	1656	1719	1760
65°	1504	1553	1583
70°	1321	1351	1369
75°	1115	1131	1139
80°	891	903	879
85°	599	624	599



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.0	3.5
10°-20°	440.0	10.2
20°-30°	667.6	15.4
30°-40°	797.1	18.4
40°-50°	807.0	18.6
50°-60°	697.5	16.1
60°-70°	483.4	11.2
70°-80°	233.9	5.4
80°-90°	51.4	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°	1260.7	29.1
0°-40°	2057.8	47.5
0°-60°	3562.2	82.2
0°-90°	4331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1615	1615	1615	1615	1615	
5°	1608	1607	1605	1613	1616	153
15°	1542	1545	1556	1574	1582	434
25°	1411	1420	1448	1478	1490	650
35°	1229	1240	1277	1310	1318	768
45°	1004	1018	1050	1077	1083	774
55°	749	757	783	816	806	669
65°	472	477	488	496	497	468
75°	214	216	218	216	219	230
85°	39	42	40	39	39	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1614.6	1614.6	1614.6	1614.6	1614.6
2.5°	1614.6	1613.0	1609.9	1614.6	1617.7
5°	1608.3	1606.8	1605.2	1613.0	1616.1
7.5°	1597.5	1597.5	1599.0	1606.8	1609.9
10°	1581.9	1583.5	1586.6	1599.0	1602.1
12.5°	1563.3	1566.4	1574.2	1588.1	1594.4
15°	1541.5	1544.6	1555.5	1574.2	1581.9
17.5°	1513.6	1519.8	1535.3	1557.1	1564.8
20°	1482.5	1490.2	1510.5	1535.3	1544.6
22.5°	1448.3	1456.1	1482.5	1508.9	1518.2
25°	1411.0	1420.3	1448.3	1477.8	1490.2
27.5°	1370.6	1381.5	1412.6	1443.6	1456.1
30°	1325.5	1338.0	1370.6	1403.2	1414.1
32.5°	1277.4	1289.8	1327.1	1358.2	1369.0
35°	1229.2	1240.1	1277.4	1310.0	1317.8
37.5°	1174.8	1187.2	1227.6	1255.6	1266.5
40°	1122.0	1134.4	1170.1	1198.1	1207.4
42.5°	1064.5	1076.9	1112.6	1139.1	1146.8
45°	1003.9	1017.8	1050.5	1076.9	1083.1
47.5°	943.3	954.1	988.3	1011.6	1016.3
50°	879.5	890.4	921.5	944.8	949.5
52.5°	812.7	829.8	854.7	871.8	892.0
55°	749.0	756.8	783.2	815.8	806.5
57.5°	685.3	690.0	711.7	725.7	728.8
60°	615.4	621.6	638.7	646.4	654.2
62.5°	542.3	547.0	567.2	575.0	578.1
65°	472.4	477.1	487.9	495.7	497.3
67.5°	400.9	405.6	414.9	421.1	449.1
70°	335.7	338.8	343.4	355.9	348.1
72.5°	273.5	275.1	279.7	279.7	281.3
75°	214.4	216.0	217.6	216.0	219.1
77.5°	160.1	163.2	164.7	163.2	161.6
80°	115.0	118.1	116.5	113.4	113.4
82.5°	74.6	76.1	74.6	73.0	73.0
85°	38.8	42.0	40.4	38.8	38.8
87.5°	14.0	15.5	17.1	18.6	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)