

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: P296935

Luminaire Tested: **D3X-WD-50L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296935  
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-2700K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3671.0 lumens  
Efficiency: N/A  
Efficacy: 105.2 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

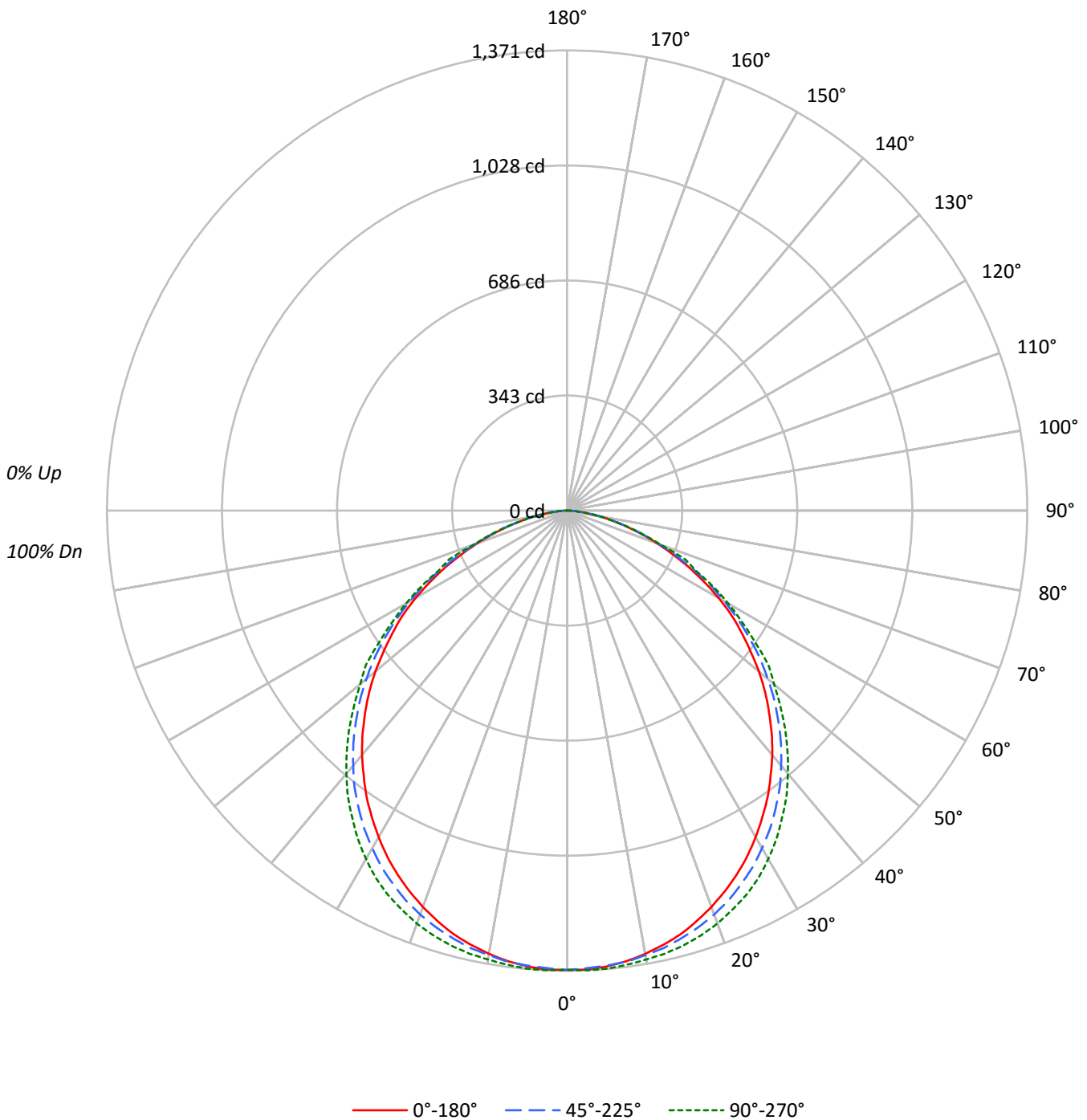
Input Watts (W): 34.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1841	1841	1841
5°	1841	1838	1850
10°	1832	1837	1855
15°	1820	1837	1868
20°	1799	1833	1875
25°	1776	1822	1875
30°	1746	1805	1862
35°	1711	1778	1835
40°	1670	1742	1798
45°	1619	1694	1747
50°	1560	1635	1685
55°	1489	1557	1604
60°	1404	1457	1492
65°	1275	1317	1342
70°	1119	1145	1161
75°	945	959	965
80°	755	766	745
85°	508	528	508



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.7	3.5
10°-20°	373.0	10.2
20°-30°	565.9	15.4
30°-40°	675.6	18.4
40°-50°	684.0	18.6
50°-60°	591.2	16.1
60°-70°	409.8	11.2
70°-80°	198.3	5.4
80°-90°	43.6	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°	1068.6	29.1
0°-40°	1744.2	47.5
0°-60°	3019.4	82.2
0°-90°	3671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3671.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1368	1368	1368	1368	1368	
5°	1363	1362	1361	1367	1370	129
15°	1307	1309	1318	1334	1341	368
25°	1196	1204	1228	1253	1263	551
35°	1042	1051	1083	1110	1117	651
45°	851	863	890	913	918	656
55°	635	642	664	692	684	567
65°	400	404	414	420	422	396
75°	182	183	184	183	186	195
85°	33	36	34	33	33	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1368.5	1368.5	1368.5	1368.5	1368.5
2.5°	1368.5	1367.2	1364.6	1368.5	1371.2
5°	1363.3	1361.9	1360.6	1367.2	1369.8
7.5°	1354.0	1354.0	1355.4	1361.9	1364.6
10°	1340.9	1342.2	1344.8	1355.4	1358.0
12.5°	1325.1	1327.7	1334.3	1346.1	1351.4
15°	1306.6	1309.3	1318.5	1334.3	1340.9
17.5°	1282.9	1288.2	1301.3	1319.8	1326.4
20°	1256.6	1263.2	1280.3	1301.3	1309.3
22.5°	1227.6	1234.2	1256.6	1279.0	1286.9
25°	1196.0	1203.9	1227.6	1252.6	1263.2
27.5°	1161.7	1170.9	1197.3	1223.6	1234.2
30°	1123.5	1134.1	1161.7	1189.4	1198.6
32.5°	1082.7	1093.2	1124.8	1151.2	1160.4
35°	1041.9	1051.1	1082.7	1110.4	1116.9
37.5°	995.8	1006.3	1040.6	1064.3	1073.5
40°	951.0	961.5	991.8	1015.5	1023.4
42.5°	902.3	912.8	943.1	965.5	972.1
45°	850.9	862.7	890.4	912.8	918.1
47.5°	799.5	808.7	837.7	857.5	861.4
50°	745.5	754.7	781.1	800.8	804.8
52.5°	688.9	703.4	724.4	738.9	756.0
55°	634.9	641.5	663.8	691.5	683.6
57.5°	580.9	584.8	603.3	615.1	617.7
60°	521.6	526.9	541.4	547.9	554.5
62.5°	459.7	463.6	480.8	487.3	490.0
65°	400.4	404.4	413.6	420.2	421.5
67.5°	339.8	343.8	351.7	356.9	380.7
70°	284.5	287.1	291.1	301.6	295.0
72.5°	231.8	233.1	237.1	237.1	238.4
75°	181.8	183.1	184.4	183.1	185.7
77.5°	135.7	138.3	139.6	138.3	137.0
80°	97.5	100.1	98.8	96.2	96.2
82.5°	63.2	64.5	63.2	61.9	61.9
85°	32.9	35.6	34.2	32.9	32.9
87.5°	11.9	13.2	14.5	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)