

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: P297441

Luminaire Tested: **D3X-WO-60L93050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-60L93050-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5530.0 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

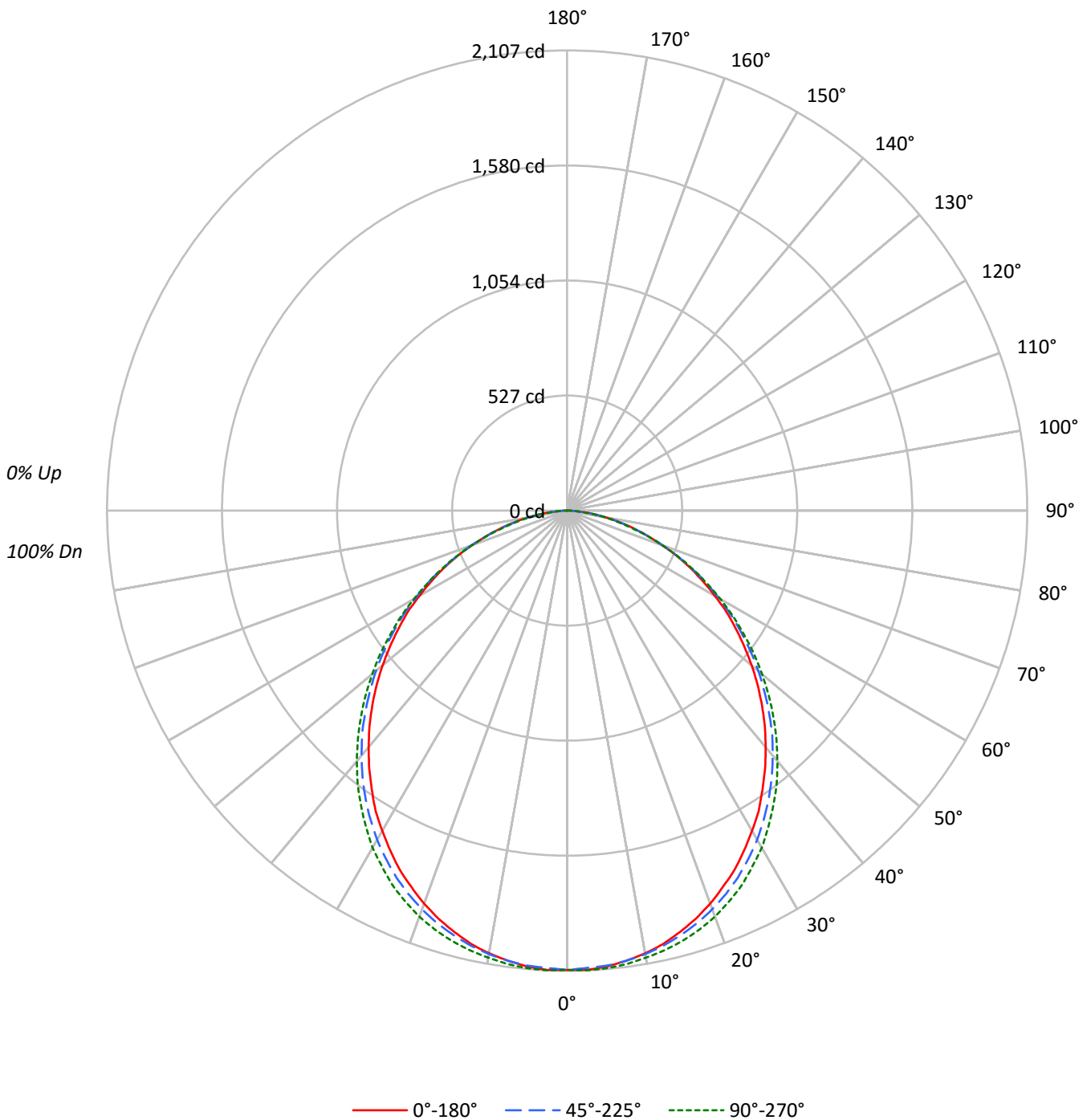
Input Watts (W): 44.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297441

CATALOG NUMBER: D3X-WO-60L93050-LD5-UNV-24-T1-W2A-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P297441

CATALOG NUMBER: D3X-WO-60L93050-LD5-UNV-24-T1-W2A-4000K

**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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2830	2830	2830
5°	2831	2826	2841
10°	2812	2817	2840
15°	2782	2802	2841
20°	2742	2782	2833
25°	2694	2749	2810
30°	2631	2703	2770
35°	2561	2644	2705
40°	2483	2572	2631
45°	2400	2488	2542
50°	2308	2394	2437
55°	2211	2281	2316
60°	2100	2155	2181
65°	1981	2011	2022
70°	1817	1840	1817
75°	1637	1627	1578
80°	1385	1371	1328
85°	1036	1007	891



TEST NUMBER: P297441

CATALOG NUMBER: D3X-WO-60L93050-LD5-UNV-24-T1-W2A-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.1	3.6
10°-20°	568.8	10.3
20°-30°	852.9	15.4
30°-40°	1004.4	18.2
40°-50°	1004.6	18.2
50°-60°	866.8	15.7
60°-70°	623.7	11.3
70°-80°	330.8	6.0
80°-90°	78.9	1.4
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°	1620.8	29.3
0°-40°	2625.2	47.5
0°-60°	4496.6	81.3
0°-90°	5530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5530.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2103	2103	2103	2103	2103	
5°	2096	2094	2092	2099	2103	199
15°	1997	2003	2012	2032	2040	563
25°	1814	1826	1852	1883	1893	835
35°	1559	1578	1610	1637	1647	975
45°	1261	1278	1308	1330	1336	973
55°	943	952	972	989	987	844
65°	622	624	632	635	635	615
75°	315	311	313	306	304	335
85°	67	67	65	60	58	81
90°	0	0	0	0	0	



TEST NUMBER: P297441

CATALOG NUMBER: D3X-WO-60L93050-LD5-UNV-24-T1-W2A-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2103.2	2103.2	2103.2	2103.2	2103.2
2.5°	2105.0	2101.3	2095.7	2103.2	2106.9
5°	2095.7	2093.8	2092.0	2099.4	2103.2
7.5°	2078.9	2080.8	2078.9	2090.1	2093.8
10°	2058.5	2060.3	2062.2	2075.2	2078.9
12.5°	2032.4	2034.2	2039.8	2056.6	2062.2
15°	1997.0	2002.6	2011.9	2032.4	2039.8
17.5°	1959.7	1967.2	1980.2	2004.4	2011.9
20°	1915.0	1924.3	1943.0	1969.0	1978.4
22.5°	1864.7	1874.0	1900.1	1928.1	1937.4
25°	1814.4	1825.6	1851.7	1883.3	1892.7
27.5°	1754.8	1769.7	1797.7	1829.3	1836.8
30°	1693.3	1706.4	1739.9	1769.7	1782.8
32.5°	1631.9	1644.9	1676.6	1706.4	1715.7
35°	1559.2	1577.8	1609.5	1637.4	1646.8
37.5°	1488.4	1505.2	1538.7	1566.7	1576.0
40°	1413.9	1428.8	1464.2	1490.3	1497.7
42.5°	1339.4	1354.3	1389.7	1410.2	1417.6
45°	1261.2	1277.9	1307.7	1330.1	1335.7
47.5°	1182.9	1196.0	1223.9	1244.4	1251.8
50°	1102.8	1115.8	1143.8	1160.6	1164.3
52.5°	1022.7	1032.0	1058.1	1073.0	1078.6
55°	942.6	951.9	972.4	989.2	987.3
57.5°	866.2	870.0	890.4	901.6	901.6
60°	780.5	784.3	801.0	808.5	810.3
62.5°	700.4	706.0	719.1	720.9	720.9
65°	622.2	624.1	631.5	635.2	635.2
67.5°	544.0	542.1	549.5	549.5	547.7
70°	462.0	465.7	467.6	463.9	462.0
72.5°	387.5	385.6	385.6	383.7	383.7
75°	314.8	311.1	313.0	305.5	303.6
77.5°	247.8	242.2	240.3	236.6	232.9
80°	178.8	178.8	177.0	173.2	171.4
82.5°	119.2	119.2	117.4	113.6	109.9
85°	67.1	67.1	65.2	59.6	57.7
87.5°	22.4	22.4	22.4	22.4	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)