

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: P297301

Luminaire Tested: **D3X-WO-60L83050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297301  
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-60L83050-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6325.0 lumens  
Efficiency: N/A  
Efficacy: 142.8 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

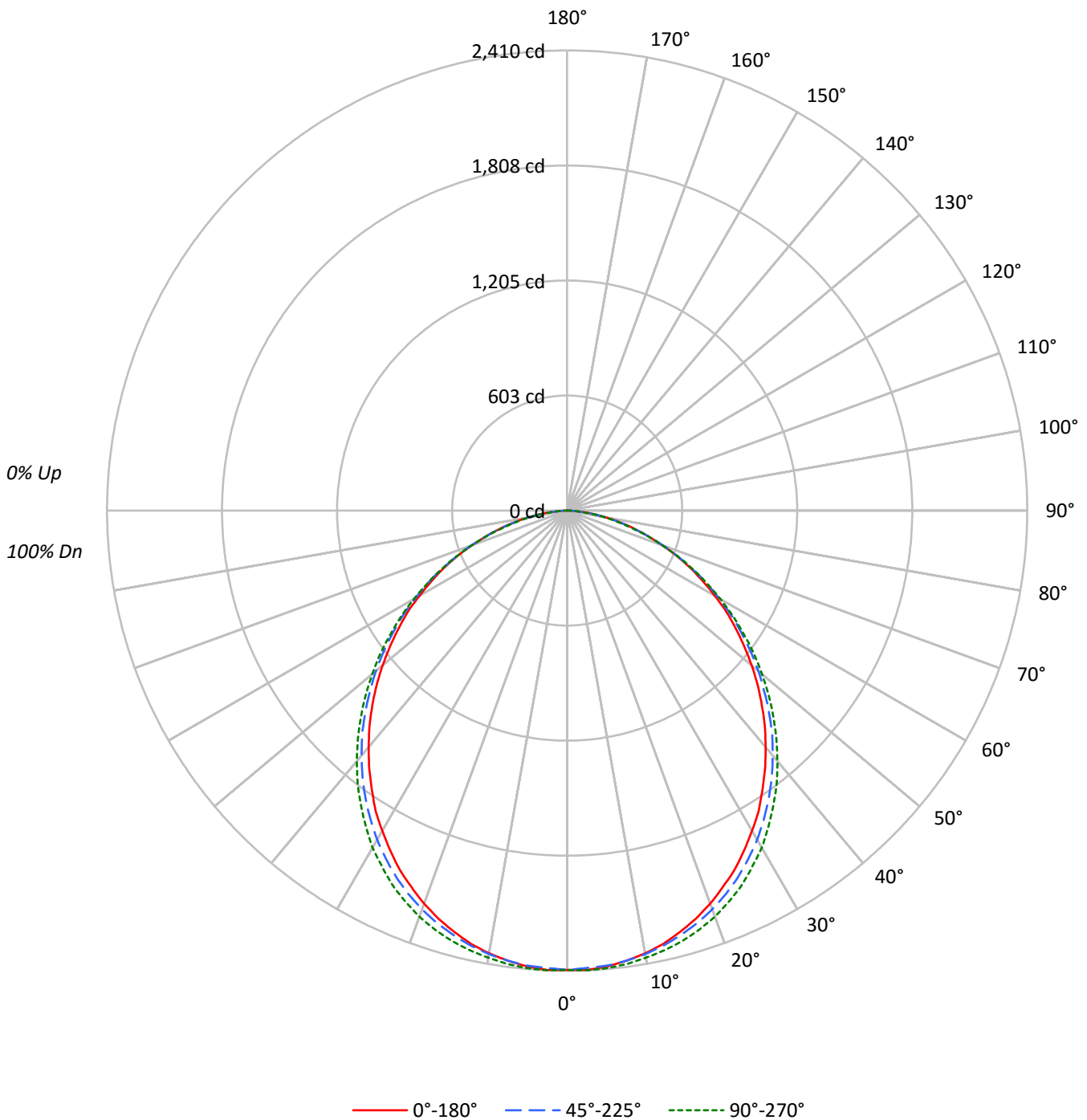
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3237	3237	3237
5°	3237	3232	3249
10°	3217	3222	3249
15°	3182	3205	3250
20°	3136	3182	3240
25°	3081	3144	3214
30°	3009	3092	3168
35°	2929	3024	3094
40°	2840	2941	3009
45°	2745	2846	2907
50°	2640	2738	2788
55°	2529	2609	2649
60°	2402	2465	2494
65°	2266	2300	2313
70°	2079	2104	2079
75°	1872	1861	1805
80°	1585	1568	1519
85°	1184	1152	1020



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.8	3.6
10°-20°	650.6	10.3
20°-30°	975.5	15.4
30°-40°	1148.8	18.2
40°-50°	1149.0	18.2
50°-60°	991.4	15.7
60°-70°	713.4	11.3
70°-80°	378.4	6.0
80°-90°	90.3	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°	1853.9	29.3
0°-40°	3002.7	47.5
0°-60°	5143.0	81.3
0°-90°	6325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6325.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2406	2406	2406	2406	2406	
5°	2397	2395	2393	2401	2406	227
15°	2284	2290	2301	2324	2333	644
25°	2075	2088	2118	2154	2165	955
35°	1783	1805	1841	1873	1884	1116
45°	1442	1462	1496	1521	1528	1113
55°	1078	1089	1112	1131	1129	965
65°	712	714	722	727	727	704
75°	360	356	358	349	347	383
85°	77	77	75	68	66	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2405.5	2405.5	2405.5	2405.5	2405.5
2.5°	2407.6	2403.4	2397.0	2405.5	2409.8
5°	2397.0	2394.9	2392.7	2401.3	2405.5
7.5°	2377.8	2379.9	2377.8	2390.6	2394.9
10°	2354.4	2356.5	2358.6	2373.6	2377.8
12.5°	2324.5	2326.7	2333.1	2352.2	2358.6
15°	2284.1	2290.5	2301.1	2324.5	2333.1
17.5°	2241.5	2250.0	2264.9	2292.6	2301.1
20°	2190.3	2201.0	2222.3	2252.1	2262.8
22.5°	2132.8	2143.4	2173.3	2205.2	2215.9
25°	2075.3	2088.0	2117.9	2154.1	2164.7
27.5°	2007.1	2024.1	2056.1	2092.3	2100.8
30°	1936.8	1951.7	1990.0	2024.1	2039.0
32.5°	1866.5	1881.4	1917.6	1951.7	1962.3
35°	1783.4	1804.7	1840.9	1872.8	1883.5
37.5°	1702.4	1721.6	1759.9	1791.9	1802.5
40°	1617.2	1634.2	1674.7	1704.5	1713.1
42.5°	1531.9	1549.0	1589.5	1612.9	1621.4
45°	1442.5	1461.6	1495.7	1521.3	1527.7
47.5°	1353.0	1367.9	1399.8	1423.3	1431.8
50°	1261.4	1276.3	1308.2	1327.4	1331.7
52.5°	1169.7	1180.4	1210.2	1227.3	1233.7
55°	1078.1	1088.8	1112.2	1131.4	1129.2
57.5°	990.8	995.0	1018.5	1031.2	1031.2
60°	892.7	897.0	916.2	924.7	926.8
62.5°	801.1	807.5	822.4	824.6	824.6
65°	711.6	713.8	722.3	726.6	726.6
67.5°	622.2	620.0	628.5	628.5	626.4
70°	528.4	532.7	534.8	530.5	528.4
72.5°	443.2	441.0	441.0	438.9	438.9
75°	360.1	355.8	358.0	349.4	347.3
77.5°	283.4	277.0	274.9	270.6	266.3
80°	204.5	204.5	202.4	198.2	196.0
82.5°	136.4	136.4	134.2	130.0	125.7
85°	76.7	76.7	74.6	68.2	66.1
87.5°	25.6	25.6	25.6	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)