

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: P297238

Luminaire Tested: **D3X-WG-60L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297238  
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-60L92765-LD5-UNV-24-T1-W2A-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5237.0 lumens  
Efficiency: N/A  
Efficacy: 118.2 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

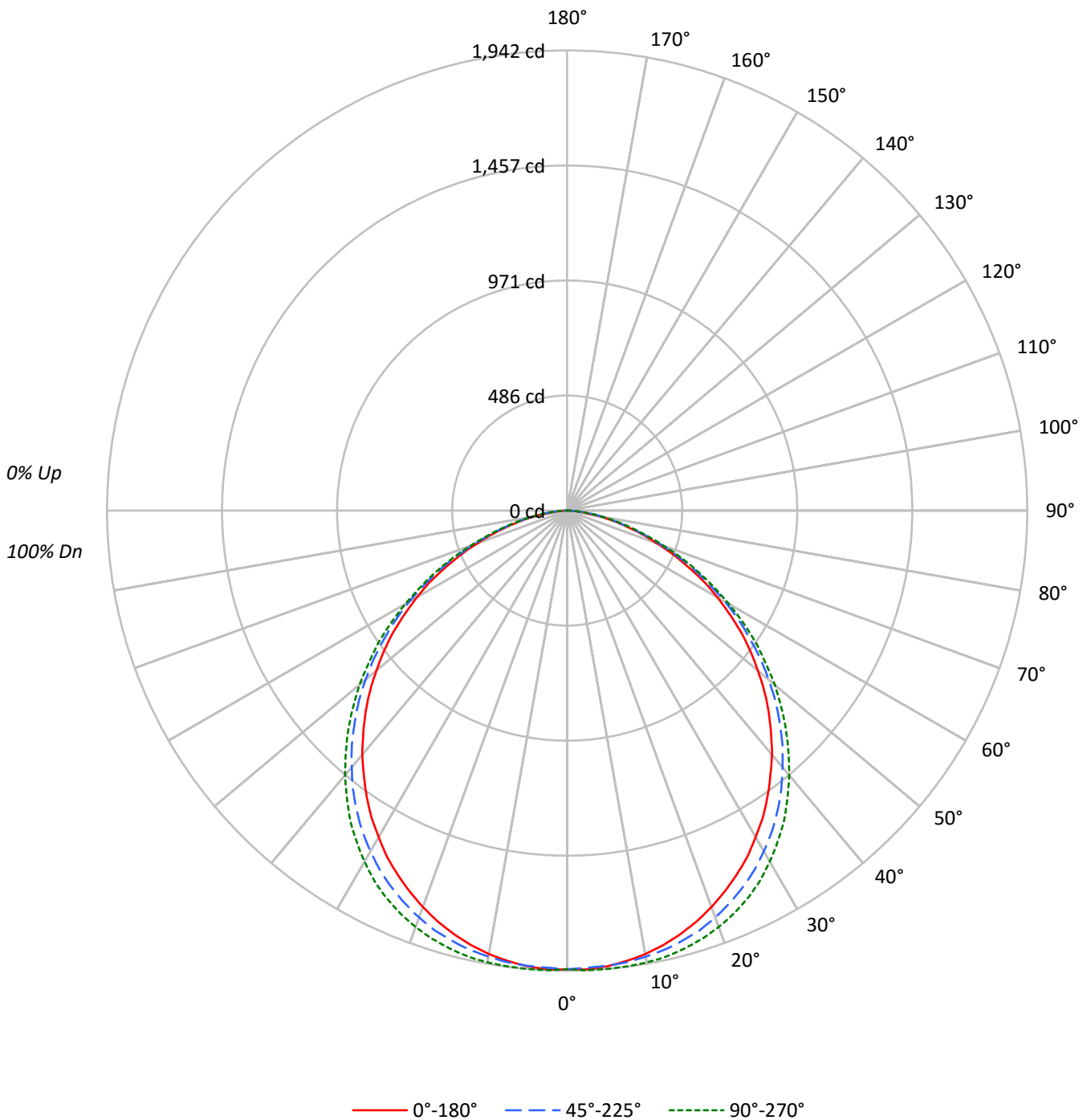
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2605	2605	2605
5°	2607	2605	2622
10°	2596	2612	2645
15°	2577	2618	2665
20°	2549	2616	2678
25°	2515	2604	2679
30°	2472	2579	2658
35°	2422	2542	2622
40°	2363	2484	2560
45°	2288	2413	2484
50°	2199	2325	2395
55°	2103	2209	2280
60°	1969	2070	2120
65°	1798	1893	1941
70°	1579	1661	1705
75°	1336	1404	1453
80°	1061	1163	1192
85°	724	869	840



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.0	3.5
10°-20°	531.1	10.1
20°-30°	807.1	15.4
30°-40°	963.0	18.4
40°-50°	972.7	18.6
50°-60°	838.0	16.0
60°-70°	584.2	11.2
70°-80°	289.5	5.5
80°-90°	67.5	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°	1522.1	29.1
0°-40°	2485.2	47.5
0°-60°	4295.8	82.0
0°-90°	5237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5237.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1930	1928	1928	1938	1942	183
15°	1850	1859	1880	1904	1914	522
25°	1694	1716	1754	1790	1805	780
35°	1474	1499	1548	1583	1596	922
45°	1202	1229	1268	1298	1306	927
55°	897	916	942	964	972	799
65°	565	576	595	600	610	561
75°	257	261	270	276	280	277
85°	47	56	56	52	54	60
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1936.0	1936.0	1936.0	1936.0	1936.0
2.5°	1937.9	1934.1	1930.4	1937.9	1941.6
5°	1930.4	1928.5	1928.5	1937.9	1941.6
7.5°	1917.2	1917.2	1922.9	1936.0	1939.8
10°	1900.4	1904.1	1911.6	1930.4	1936.0
12.5°	1877.9	1885.4	1898.5	1921.0	1928.5
15°	1849.7	1859.1	1879.7	1904.1	1913.5
17.5°	1817.8	1831.0	1857.2	1885.4	1894.7
20°	1780.3	1797.2	1827.2	1859.1	1870.3
22.5°	1739.0	1759.7	1793.4	1827.2	1840.3
25°	1694.0	1716.5	1754.0	1789.7	1804.7
27.5°	1647.1	1669.6	1710.9	1746.5	1761.5
30°	1590.8	1617.1	1660.2	1697.8	1710.9
32.5°	1536.4	1562.7	1607.7	1641.5	1654.6
35°	1474.5	1498.9	1547.7	1583.3	1596.5
37.5°	1408.9	1437.0	1483.9	1515.8	1527.0
40°	1345.1	1369.5	1414.5	1446.4	1457.6
42.5°	1273.8	1300.1	1345.1	1373.2	1382.6
45°	1202.5	1228.8	1268.2	1298.2	1305.7
47.5°	1129.3	1153.7	1193.1	1217.5	1225.0
50°	1050.5	1073.1	1110.6	1135.0	1144.3
52.5°	975.5	996.1	1028.0	1048.7	1054.3
55°	896.7	915.5	941.7	964.3	971.8
57.5°	812.3	832.9	857.3	876.1	881.7
60°	731.6	748.5	769.2	786.0	787.9
62.5°	652.8	660.3	679.1	694.1	696.0
65°	564.7	575.9	594.7	600.3	609.7
67.5°	484.0	491.5	506.5	514.0	521.5
70°	401.5	407.1	422.1	431.5	433.4
72.5°	330.2	332.0	343.3	350.8	352.7
75°	257.0	260.8	270.1	275.8	279.5
77.5°	195.1	198.9	206.4	210.1	210.1
80°	136.9	142.6	150.1	152.0	153.8
82.5°	88.2	95.7	101.3	103.2	99.4
85°	46.9	56.3	56.3	52.5	54.4
87.5°	16.9	20.6	22.5	24.4	24.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)