

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: P297512

Luminaire Tested: **D3X-WO-55L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297512  
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-55L92765-LD5-UNV-24-T1-W2A-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5266.0 lumens  
Efficiency: N/A  
Efficacy: 131.3 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

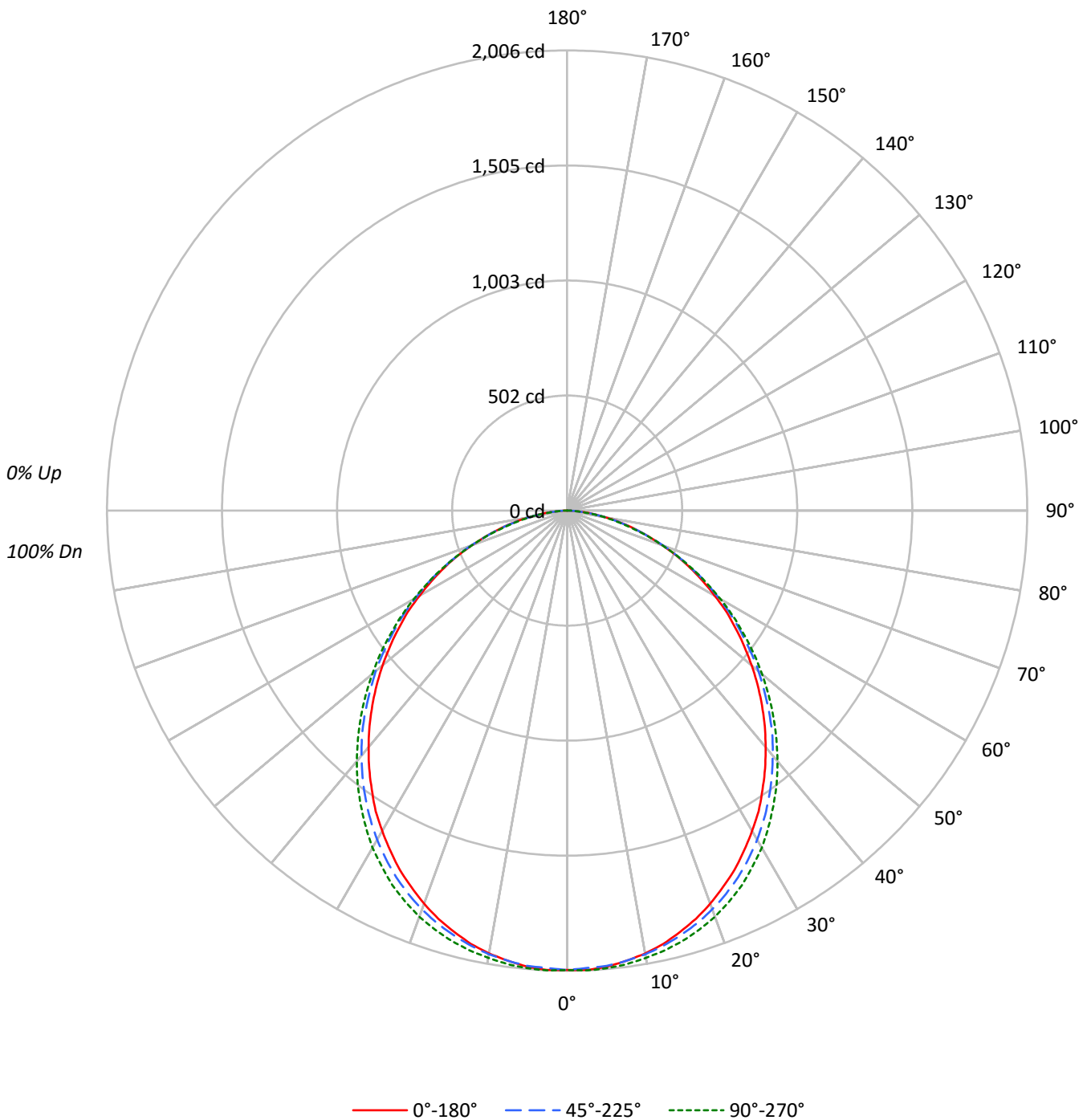
Input Watts (W): 40.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2695	2695	2695
5°	2695	2691	2705
10°	2678	2683	2705
15°	2649	2669	2706
20°	2611	2649	2697
25°	2565	2618	2676
30°	2505	2574	2637
35°	2439	2518	2576
40°	2365	2449	2505
45°	2285	2370	2420
50°	2198	2280	2321
55°	2106	2172	2206
60°	2000	2053	2077
65°	1886	1915	1926
70°	1731	1752	1731
75°	1559	1549	1503
80°	1320	1306	1265
85°	986	959	849



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.6	3.6
10°-20°	541.7	10.3
20°-30°	812.2	15.4
30°-40°	956.5	18.2
40°-50°	956.6	18.2
50°-60°	825.4	15.7
60°-70°	593.9	11.3
70°-80°	315.0	6.0
80°-90°	75.1	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°	1543.5	29.3
0°-40°	2499.9	47.5
0°-60°	4281.9	81.3
0°-90°	5266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5266.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2003	2003	2003	2003	2003	
5°	1996	1994	1992	1999	2003	189
15°	1902	1907	1916	1935	1942	536
25°	1728	1738	1763	1793	1802	795
35°	1485	1502	1533	1559	1568	929
45°	1201	1217	1245	1267	1272	926
55°	898	906	926	942	940	803
65°	592	594	601	605	605	586
75°	300	296	298	291	289	319
85°	64	64	62	57	55	77
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2002.8	2002.8	2002.8	2002.8	2002.8
2.5°	2004.5	2001.0	1995.7	2002.8	2006.3
5°	1995.7	1993.9	1992.1	1999.2	2002.8
7.5°	1979.7	1981.5	1979.7	1990.3	1993.9
10°	1960.2	1962.0	1963.7	1976.1	1979.7
12.5°	1935.3	1937.1	1942.4	1958.4	1963.7
15°	1901.6	1907.0	1915.8	1935.3	1942.4
17.5°	1866.2	1873.3	1885.7	1908.7	1915.8
20°	1823.6	1832.5	1850.2	1875.0	1883.9
22.5°	1775.7	1784.6	1809.4	1836.0	1844.9
25°	1727.8	1738.4	1763.3	1793.4	1802.3
27.5°	1671.0	1685.2	1711.8	1742.0	1749.1
30°	1612.5	1624.9	1656.8	1685.2	1697.6
32.5°	1554.0	1566.4	1596.5	1624.9	1633.8
35°	1484.8	1502.5	1532.7	1559.3	1568.1
37.5°	1417.4	1433.3	1465.3	1491.9	1500.7
40°	1346.4	1360.6	1394.3	1419.1	1426.2
42.5°	1275.4	1289.6	1323.3	1342.9	1350.0
45°	1200.9	1216.9	1245.3	1266.6	1271.9
47.5°	1126.4	1138.9	1165.5	1185.0	1192.1
50°	1050.2	1062.6	1089.2	1105.2	1108.7
52.5°	973.9	982.8	1007.6	1021.8	1027.1
55°	897.6	906.5	926.0	942.0	940.2
57.5°	824.9	828.4	847.9	858.6	858.6
60°	743.3	746.8	762.8	769.9	771.7
62.5°	667.0	672.3	684.7	686.5	686.5
65°	592.5	594.3	601.4	604.9	604.9
67.5°	518.0	516.2	523.3	523.3	521.5
70°	439.9	443.5	445.3	441.7	439.9
72.5°	369.0	367.2	367.2	365.4	365.4
75°	299.8	296.2	298.0	290.9	289.1
77.5°	235.9	230.6	228.8	225.3	221.7
80°	170.3	170.3	168.5	165.0	163.2
82.5°	113.5	113.5	111.8	108.2	104.7
85°	63.9	63.9	62.1	56.8	55.0
87.5°	21.3	21.3	21.3	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)