

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: P297508

Luminaire Tested: **D3X-WO-55L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297508  
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-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5028.0 lumens  
Efficiency: N/A  
Efficacy: 128.6 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

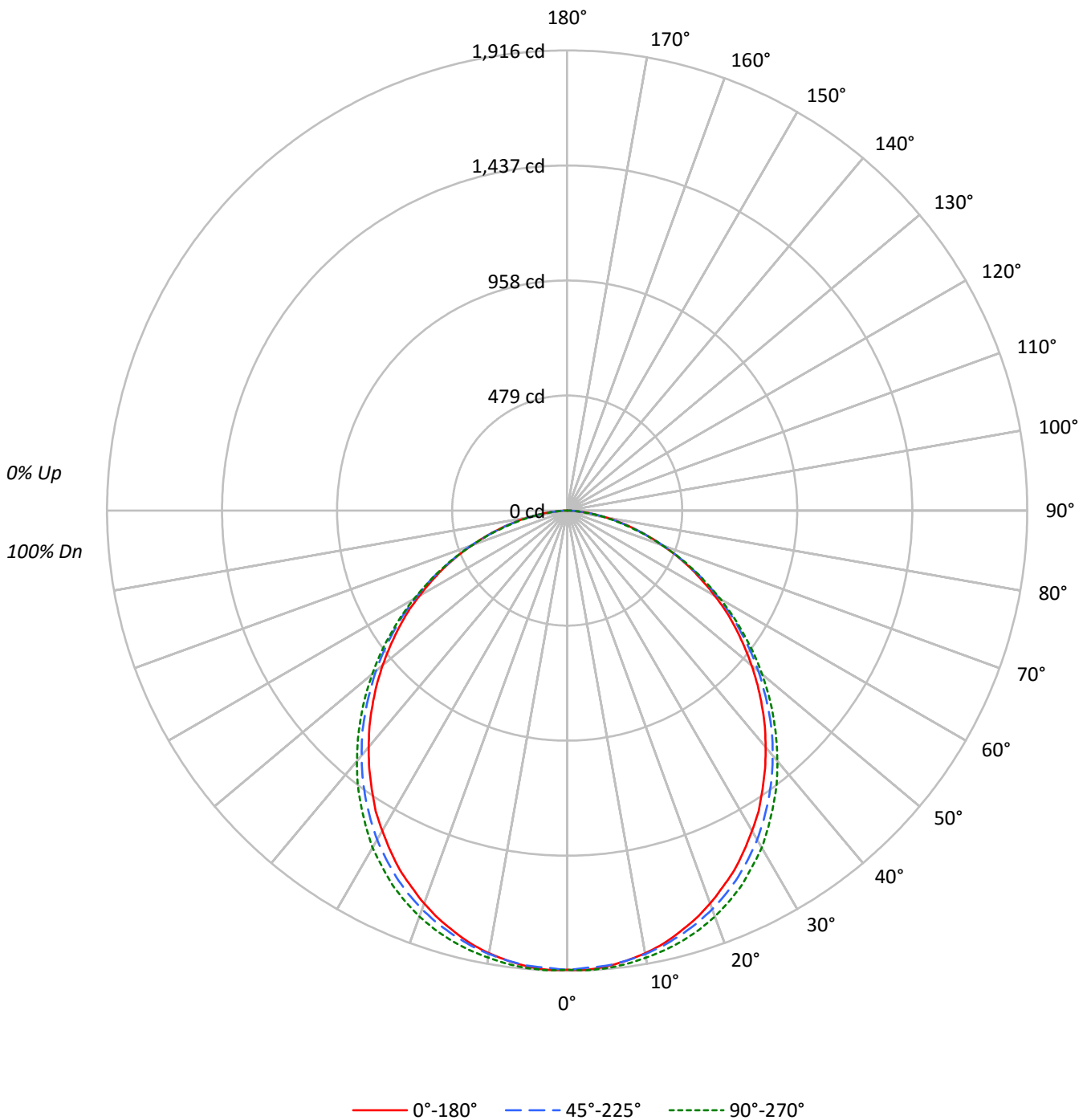
Input Watts (W): 39.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2573	2573	2573
5°	2574	2569	2583
10°	2557	2562	2582
15°	2529	2548	2584
20°	2493	2529	2576
25°	2449	2499	2555
30°	2392	2458	2518
35°	2329	2404	2459
40°	2258	2338	2392
45°	2182	2262	2311
50°	2099	2177	2216
55°	2010	2074	2106
60°	1910	1960	1983
65°	1801	1828	1839
70°	1652	1672	1652
75°	1488	1479	1435
80°	1260	1247	1207
85°	942	915	810



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.1	3.6
10°-20°	517.2	10.3
20°-30°	775.5	15.4
30°-40°	913.2	18.2
40°-50°	913.4	18.2
50°-60°	788.1	15.7
60°-70°	567.1	11.3
70°-80°	300.8	6.0
80°-90°	71.7	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°	1473.7	29.3
0°-40°	2386.9	47.5
0°-60°	4088.4	81.3
0°-90°	5028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5028.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1912	1912	1912	1912	1912	
5°	1906	1904	1902	1909	1912	181
15°	1816	1821	1829	1848	1855	512
25°	1650	1660	1684	1712	1721	759
35°	1418	1435	1463	1489	1497	887
45°	1147	1162	1189	1209	1214	885
55°	857	866	884	899	898	767
65°	566	567	574	578	578	559
75°	286	283	284	278	276	305
85°	61	61	59	54	52	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1912.2	1912.2	1912.2	1912.2	1912.2
2.5°	1913.9	1910.5	1905.5	1912.2	1915.6
5°	1905.5	1903.8	1902.1	1908.9	1912.2
7.5°	1890.2	1891.9	1890.2	1900.4	1903.8
10°	1871.6	1873.3	1875.0	1886.8	1890.2
12.5°	1847.9	1849.6	1854.7	1869.9	1875.0
15°	1815.7	1820.8	1829.2	1847.9	1854.7
17.5°	1781.8	1788.6	1800.5	1822.5	1829.2
20°	1741.2	1749.6	1766.6	1790.3	1798.8
22.5°	1695.4	1703.9	1727.6	1753.0	1761.5
25°	1649.7	1659.9	1683.6	1712.4	1720.8
27.5°	1595.5	1609.1	1634.5	1663.3	1670.0
30°	1539.6	1551.5	1582.0	1609.1	1620.9
32.5°	1483.7	1495.6	1524.4	1551.5	1559.9
35°	1417.7	1434.6	1463.4	1488.8	1497.3
37.5°	1353.3	1368.5	1399.0	1424.4	1432.9
40°	1285.6	1299.1	1331.3	1355.0	1361.8
42.5°	1217.8	1231.4	1263.5	1282.2	1288.9
45°	1146.7	1161.9	1189.0	1209.3	1214.4
47.5°	1075.5	1087.4	1112.8	1131.4	1138.2
50°	1002.7	1014.6	1040.0	1055.2	1058.6
52.5°	929.9	938.3	962.0	975.6	980.7
55°	857.0	865.5	884.1	899.4	897.7
57.5°	787.6	791.0	809.6	819.8	819.8
60°	709.7	713.1	728.3	735.1	736.8
62.5°	636.8	641.9	653.8	655.5	655.5
65°	565.7	567.4	574.2	577.6	577.6
67.5°	494.6	492.9	499.7	499.7	498.0
70°	420.0	423.4	425.1	421.7	420.0
72.5°	352.3	350.6	350.6	348.9	348.9
75°	286.2	282.9	284.5	277.8	276.1
77.5°	225.3	220.2	218.5	215.1	211.7
80°	162.6	162.6	160.9	157.5	155.8
82.5°	108.4	108.4	106.7	103.3	99.9
85°	61.0	61.0	59.3	54.2	52.5
87.5°	20.3	20.3	20.3	20.3	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)