

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: P297507

Luminaire Tested: **D3X-WO-55L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297507  
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-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: 4901.0 lumens  
Efficiency: N/A  
Efficacy: 126.3 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

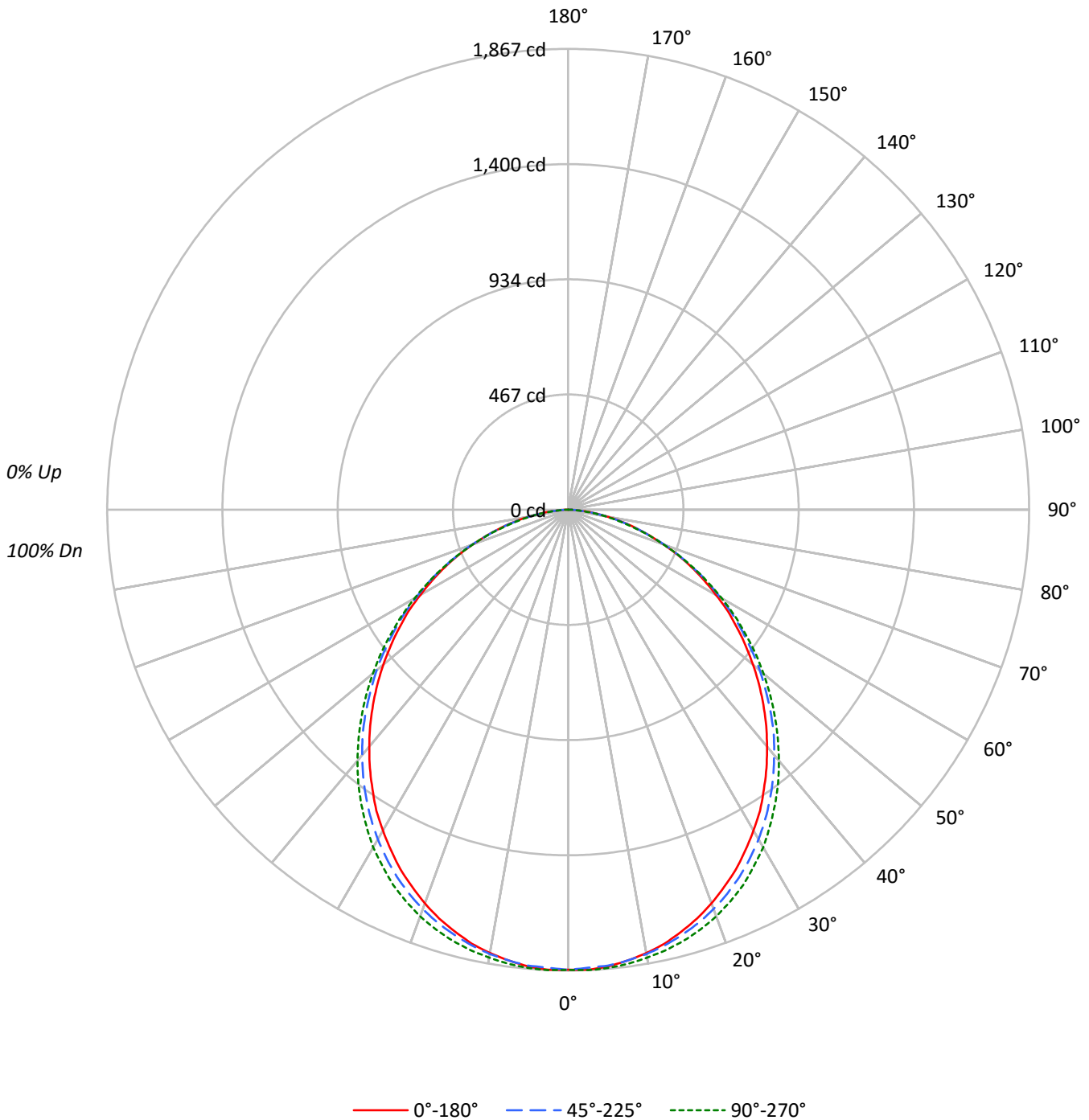
Input Watts (W): 38.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2508	2508	2508
5°	2509	2504	2517
10°	2492	2497	2517
15°	2465	2484	2518
20°	2430	2466	2510
25°	2387	2436	2490
30°	2332	2396	2455
35°	2270	2343	2397
40°	2201	2279	2331
45°	2127	2205	2252
50°	2046	2122	2160
55°	1960	2022	2053
60°	1862	1910	1933
65°	1755	1782	1792
70°	1611	1630	1611
75°	1450	1442	1399
80°	1228	1215	1177
85°	917	892	790



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.5	3.6
10°-20°	504.1	10.3
20°-30°	755.9	15.4
30°-40°	890.2	18.2
40°-50°	890.3	18.2
50°-60°	768.2	15.7
60°-70°	552.8	11.3
70°-80°	293.2	6.0
80°-90°	69.9	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°	1436.5	29.3
0°-40°	2326.6	47.5
0°-60°	3985.1	81.3
0°-90°	4901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4901.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1864	1864	1864	1864	1864	
5°	1857	1856	1854	1861	1864	176
15°	1770	1775	1783	1801	1808	499
25°	1608	1618	1641	1669	1677	740
35°	1382	1398	1426	1451	1460	864
45°	1118	1133	1159	1179	1184	862
55°	835	844	862	877	875	748
65°	551	553	560	563	563	545
75°	279	276	277	271	269	297
85°	59	59	58	53	51	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1863.9	1863.9	1863.9	1863.9	1863.9
2.5°	1865.6	1862.3	1857.3	1863.9	1867.2
5°	1857.3	1855.7	1854.0	1860.6	1863.9
7.5°	1842.5	1844.1	1842.5	1852.4	1855.7
10°	1824.3	1826.0	1827.6	1839.2	1842.5
12.5°	1801.2	1802.9	1807.8	1822.7	1827.6
15°	1769.8	1774.8	1783.0	1801.2	1807.8
17.5°	1736.8	1743.4	1755.0	1776.4	1783.0
20°	1697.2	1705.4	1722.0	1745.1	1753.3
22.5°	1652.6	1660.9	1684.0	1708.8	1717.0
25°	1608.0	1617.9	1641.1	1669.1	1677.4
27.5°	1555.2	1568.4	1593.2	1621.2	1627.9
30°	1500.7	1512.3	1542.0	1568.4	1580.0
32.5°	1446.2	1457.8	1485.9	1512.3	1520.5
35°	1381.9	1398.4	1426.4	1451.2	1459.5
37.5°	1319.1	1334.0	1363.7	1388.5	1396.7
40°	1253.1	1266.3	1297.7	1320.8	1327.4
42.5°	1187.0	1200.3	1231.6	1249.8	1256.4
45°	1117.7	1132.6	1159.0	1178.8	1183.7
47.5°	1048.4	1059.9	1084.7	1102.8	1109.4
50°	977.4	988.9	1013.7	1028.6	1031.9
52.5°	906.4	914.6	937.7	951.0	955.9
55°	835.4	843.6	861.8	876.7	875.0
57.5°	767.7	771.0	789.2	799.1	799.1
60°	691.8	695.1	709.9	716.5	718.2
62.5°	620.8	625.7	637.3	638.9	638.9
65°	551.4	553.1	559.7	563.0	563.0
67.5°	482.1	480.4	487.0	487.0	485.4
70°	409.4	412.7	414.4	411.1	409.4
72.5°	343.4	341.8	341.8	340.1	340.1
75°	279.0	275.7	277.4	270.8	269.1
77.5°	219.6	214.6	213.0	209.7	206.4
80°	158.5	158.5	156.8	153.5	151.9
82.5°	105.7	105.7	104.0	100.7	97.4
85°	59.4	59.4	57.8	52.8	51.2
87.5°	19.8	19.8	19.8	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)