

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: P297384

Luminaire Tested: **D3X-WO-67L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297384
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-67L82765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6541.0 lumens
Efficiency: N/A
Efficacy: 134.0 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

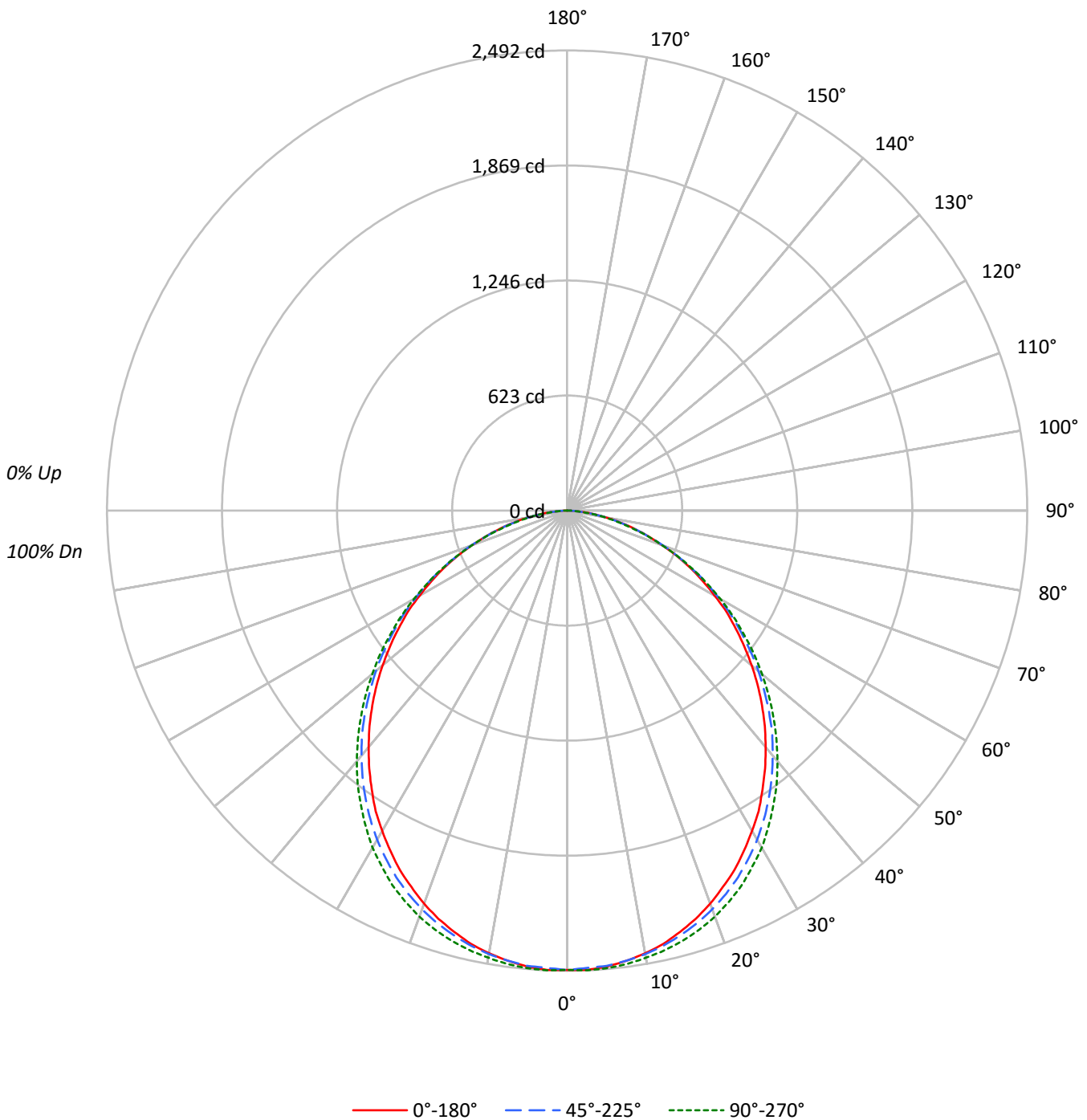
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3347	3347	3347
5°	3348	3342	3360
10°	3327	3333	3360
15°	3290	3315	3361
20°	3243	3291	3351
25°	3186	3252	3324
30°	3112	3197	3276
35°	3029	3127	3199
40°	2937	3042	3112
45°	2838	2943	3006
50°	2730	2832	2883
55°	2615	2698	2739
60°	2484	2550	2579
65°	2343	2378	2392
70°	2150	2176	2150
75°	1936	1925	1867
80°	1639	1622	1571
85°	1224	1190	1054



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	3.6
10°-20°	672.8	10.3
20°-30°	1008.8	15.4
30°-40°	1188.0	18.2
40°-50°	1188.2	18.2
50°-60°	1025.2	15.7
60°-70°	737.7	11.3
70°-80°	391.3	6.0
80°-90°	93.3	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°	1917.2	29.3
0°-40°	3105.2	47.5
0°-60°	5318.6	81.3
0°-90°	6541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6541.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2488	2488	2488	2488	2488	
5°	2479	2477	2474	2483	2488	235
15°	2362	2369	2380	2404	2413	666
25°	2146	2159	2190	2228	2239	987
35°	1844	1866	1904	1937	1948	1154
45°	1492	1512	1547	1573	1580	1151
55°	1115	1126	1150	1170	1168	998
65°	736	738	747	751	751	728
75°	372	368	370	361	359	396
85°	79	79	77	70	68	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2487.7	2487.7	2487.7	2487.7	2487.7
2.5°	2489.9	2485.5	2478.8	2487.7	2492.1
5°	2478.8	2476.6	2474.4	2483.3	2487.7
7.5°	2459.0	2461.2	2459.0	2472.2	2476.6
10°	2434.8	2437.0	2439.2	2454.6	2459.0
12.5°	2403.9	2406.1	2412.7	2432.6	2439.2
15°	2362.1	2368.7	2379.7	2403.9	2412.7
17.5°	2318.0	2326.8	2342.2	2370.9	2379.7
20°	2265.1	2276.1	2298.2	2329.0	2340.0
22.5°	2205.6	2216.6	2247.5	2280.5	2291.6
25°	2146.1	2159.4	2190.2	2227.7	2238.7
27.5°	2075.6	2093.3	2126.3	2163.8	2172.6
30°	2002.9	2018.3	2058.0	2093.3	2108.7
32.5°	1930.2	1945.6	1983.1	2018.3	2029.4
35°	1844.3	1866.3	1903.8	1936.8	1947.8
37.5°	1760.5	1780.4	1820.0	1853.1	1864.1
40°	1672.4	1690.0	1731.9	1762.7	1771.6
42.5°	1584.3	1601.9	1643.8	1668.0	1676.8
45°	1491.7	1511.5	1546.8	1573.2	1579.9
47.5°	1399.2	1414.6	1447.6	1471.9	1480.7
50°	1304.4	1319.8	1352.9	1372.7	1377.1
52.5°	1209.7	1220.7	1251.5	1269.2	1275.8
55°	1114.9	1125.9	1150.2	1170.0	1167.8
57.5°	1024.6	1029.0	1053.2	1066.5	1066.5
60°	923.2	927.6	947.5	956.3	958.5
62.5°	828.5	835.1	850.5	852.7	852.7
65°	735.9	738.1	747.0	751.4	751.4
67.5°	643.4	641.2	650.0	650.0	647.8
70°	546.4	550.9	553.1	548.7	546.4
72.5°	458.3	456.1	456.1	453.9	453.9
75°	372.4	368.0	370.2	361.4	359.2
77.5°	293.1	286.4	284.2	279.8	275.4
80°	211.5	211.5	209.3	204.9	202.7
82.5°	141.0	141.0	138.8	134.4	130.0
85°	79.3	79.3	77.1	70.5	68.3
87.5°	26.4	26.4	26.4	26.4	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)