

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: P297390

Luminaire Tested: **D3X-WO-67L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297390
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7000.0 lumens
Efficiency: N/A
Efficacy: 137.8 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

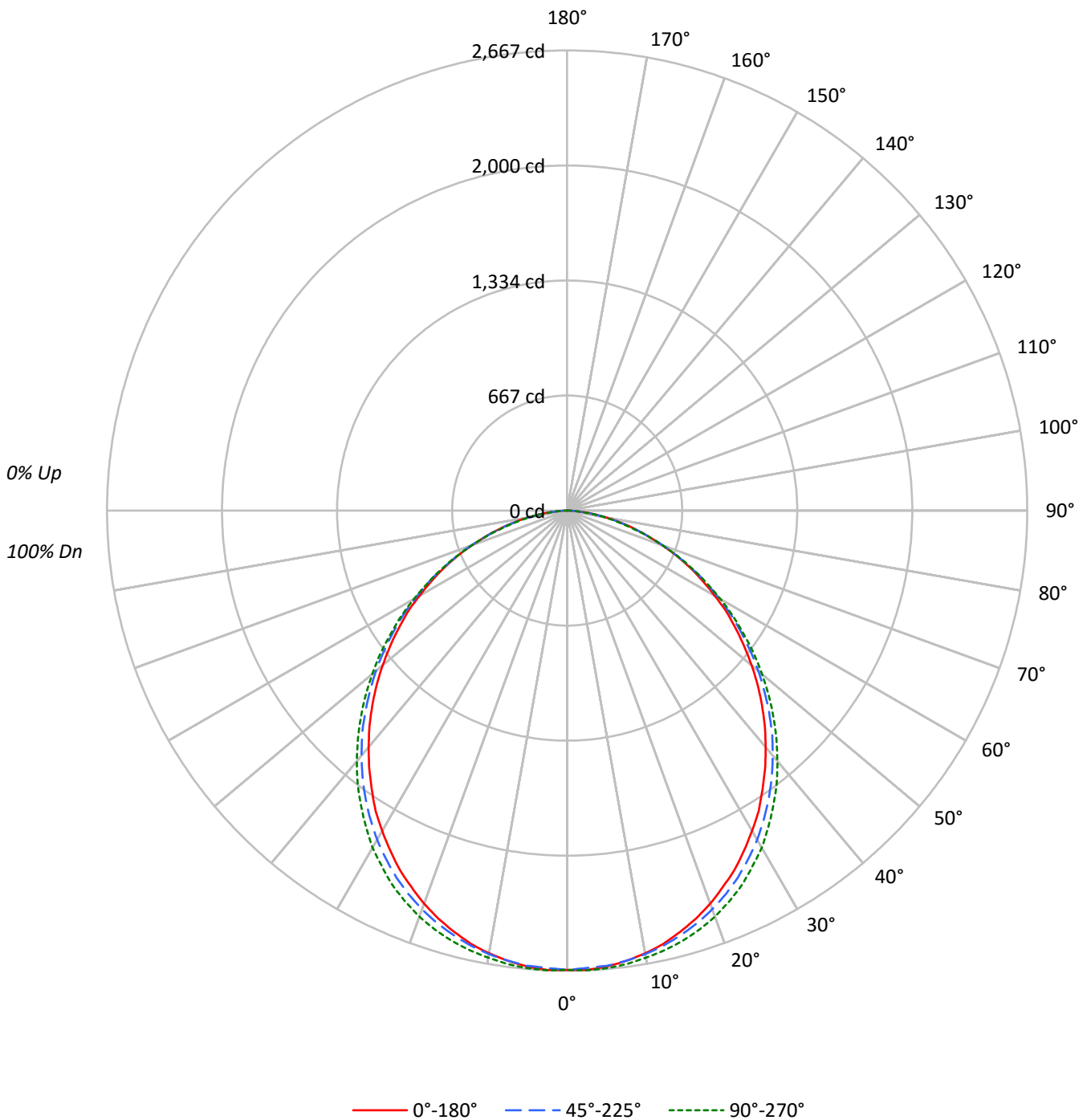
Input Watts (W): 50.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297390

CATALOG NUMBER: D3X-WO-67L82765-LD5-UNV-24-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P297390

CATALOG NUMBER: D3X-WO-67L82765-LD5-UNV-24-T1-W2A-6500K

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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3582	3582	3582
5°	3583	3577	3596
10°	3560	3566	3595
15°	3521	3547	3597
20°	3471	3521	3586
25°	3410	3480	3557
30°	3330	3422	3506
35°	3242	3346	3424
40°	3144	3255	3330
45°	3038	3150	3217
50°	2922	3031	3085
55°	2799	2887	2932
60°	2659	2729	2760
65°	2507	2545	2560
70°	2301	2329	2301
75°	2072	2060	1998
80°	1754	1736	1681
85°	1311	1274	1129



TEST NUMBER: P297390

CATALOG NUMBER: D3X-WO-67L82765-LD5-UNV-24-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.1	3.6
10°-20°	720.0	10.3
20°-30°	1079.6	15.4
30°-40°	1271.4	18.2
40°-50°	1271.6	18.2
50°-60°	1097.2	15.7
60°-70°	789.5	11.3
70°-80°	418.8	6.0
80°-90°	99.9	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°	2051.7	29.3
0°-40°	3323.1	47.5
0°-60°	5691.9	81.3
0°-90°	7000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2662	2662	2662	2662	2662	
5°	2653	2650	2648	2658	2662	252
15°	2528	2535	2547	2573	2582	713
25°	2297	2311	2344	2384	2396	1056
35°	1974	1997	2037	2073	2084	1235
45°	1596	1618	1655	1684	1691	1231
55°	1193	1205	1231	1252	1250	1068
65°	788	790	799	804	804	779
75°	398	394	396	387	384	424
85°	85	85	82	76	73	103
90°	0	0	0	0	0	



TEST NUMBER: P297390

CATALOG NUMBER: D3X-WO-67L82765-LD5-UNV-24-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2662.2	2662.2	2662.2	2662.2	2662.2
2.5°	2664.6	2659.9	2652.8	2662.2	2666.9
5°	2652.8	2650.4	2648.1	2657.5	2662.2
7.5°	2631.6	2633.9	2631.6	2645.7	2650.4
10°	2605.6	2608.0	2610.4	2626.9	2631.6
12.5°	2572.6	2575.0	2582.1	2603.3	2610.4
15°	2527.8	2534.9	2546.7	2572.6	2582.1
17.5°	2480.7	2490.1	2506.6	2537.3	2546.7
20°	2424.1	2435.9	2459.4	2492.5	2504.2
22.5°	2360.4	2372.2	2405.2	2440.6	2452.4
25°	2296.7	2310.9	2343.9	2384.0	2395.8
27.5°	2221.3	2240.1	2275.5	2315.6	2325.0
30°	2143.5	2160.0	2202.4	2240.1	2256.6
32.5°	2065.6	2082.2	2122.2	2160.0	2171.8
35°	1973.7	1997.3	2037.3	2072.7	2084.5
37.5°	1884.1	1905.3	1947.7	1983.1	1994.9
40°	1789.8	1808.6	1853.4	1886.4	1895.9
42.5°	1695.4	1714.3	1759.1	1785.0	1794.5
45°	1596.4	1617.6	1655.3	1683.6	1690.7
47.5°	1497.4	1513.9	1549.2	1575.2	1584.6
50°	1396.0	1412.5	1447.8	1469.1	1473.8
52.5°	1294.6	1306.4	1339.4	1358.2	1365.3
55°	1193.2	1205.0	1230.9	1252.1	1249.8
57.5°	1096.5	1101.2	1127.1	1141.3	1141.3
60°	988.0	992.7	1014.0	1023.4	1025.7
62.5°	886.6	893.7	910.2	912.6	912.6
65°	787.6	789.9	799.4	804.1	804.1
67.5°	688.5	686.2	695.6	695.6	693.3
70°	584.8	589.5	591.9	587.2	584.8
72.5°	490.5	488.1	488.1	485.8	485.8
75°	398.5	393.8	396.2	386.7	384.4
77.5°	313.6	306.5	304.2	299.5	294.8
80°	226.4	226.4	224.0	219.3	216.9
82.5°	150.9	150.9	148.6	143.8	139.1
85°	84.9	84.9	82.5	75.5	73.1
87.5°	28.3	28.3	28.3	28.3	28.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)