

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: P297386

Luminaire Tested: **D3X-WO-67L82765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297386
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-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6803.0 lumens
Efficiency: N/A
Efficacy: 137.2 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

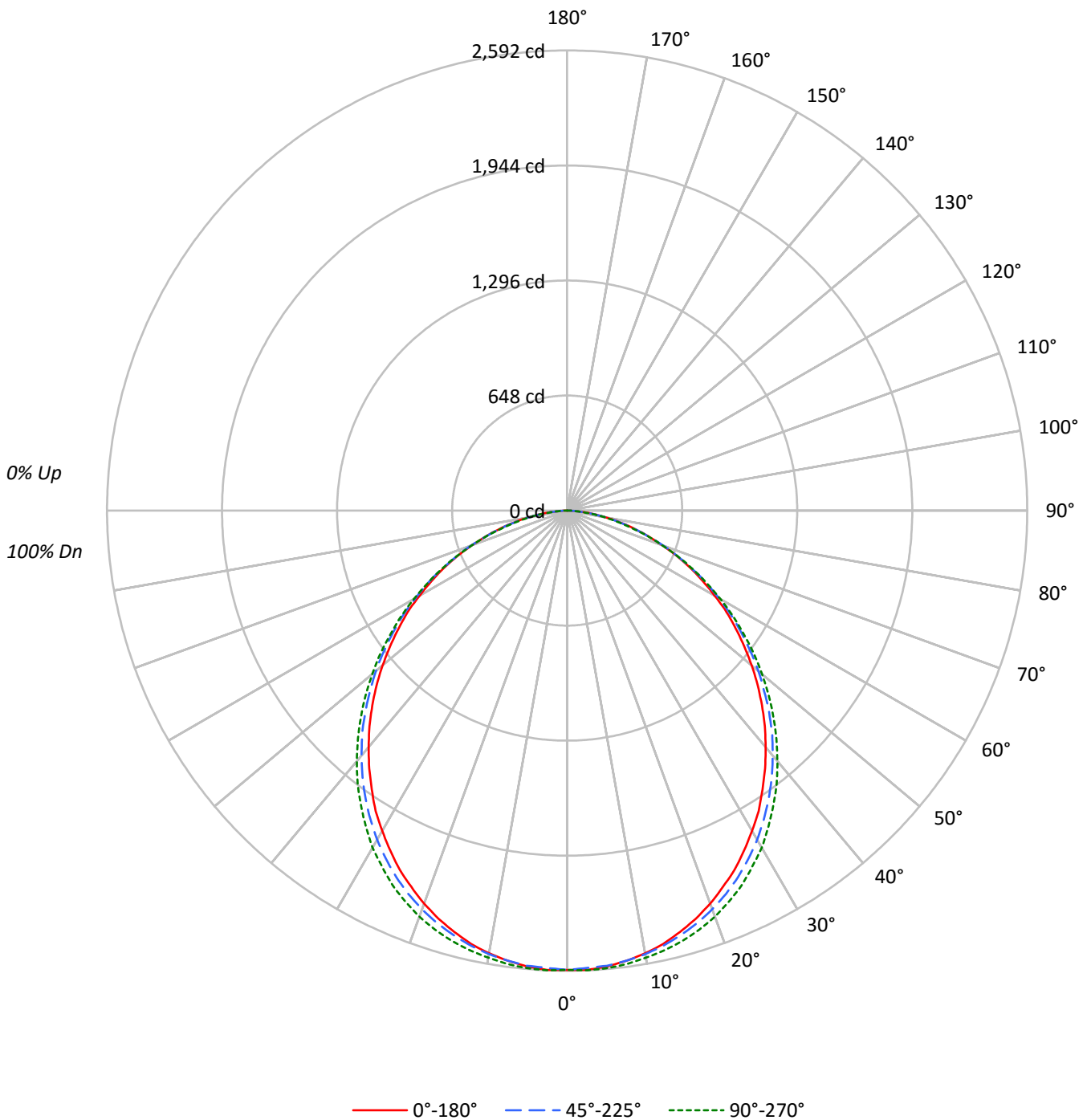
Input Watts (W): 49.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3481	3481	3481
5°	3482	3476	3494
10°	3460	3466	3494
15°	3422	3448	3495
20°	3373	3422	3485
25°	3314	3382	3457
30°	3236	3325	3407
35°	3151	3252	3327
40°	3055	3164	3236
45°	2952	3061	3127
50°	2840	2945	2998
55°	2720	2806	2849
60°	2584	2652	2683
65°	2437	2473	2488
70°	2236	2263	2236
75°	2013	2001	1942
80°	1705	1687	1633
85°	1274	1238	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.0	3.6
10°-20°	699.8	10.3
20°-30°	1049.2	15.4
30°-40°	1235.6	18.2
40°-50°	1235.8	18.2
50°-60°	1066.3	15.7
60°-70°	767.3	11.3
70°-80°	407.0	6.0
80°-90°	97.1	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°	1993.9	29.3
0°-40°	3229.6	47.5
0°-60°	5531.7	81.3
0°-90°	6803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2587	2587	2587	2587	2587	
5°	2578	2576	2574	2583	2587	245
15°	2457	2464	2475	2500	2509	693
25°	2232	2246	2278	2317	2328	1027
35°	1918	1941	1980	2014	2026	1200
45°	1552	1572	1609	1636	1643	1197
55°	1160	1171	1196	1217	1215	1038
65°	765	768	777	782	782	757
75°	387	383	385	376	374	412
85°	82	82	80	73	71	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2587.3	2587.3	2587.3	2587.3	2587.3
2.5°	2589.6	2585.0	2578.1	2587.3	2591.9
5°	2578.1	2575.8	2573.6	2582.7	2587.3
7.5°	2557.5	2559.8	2557.5	2571.3	2575.8
10°	2532.3	2534.6	2536.9	2552.9	2557.5
12.5°	2500.2	2502.5	2509.4	2530.0	2536.9
15°	2456.7	2463.6	2475.0	2500.2	2509.4
17.5°	2410.8	2420.0	2436.1	2465.8	2475.0
20°	2355.8	2367.3	2390.2	2422.3	2433.8
22.5°	2294.0	2305.4	2337.5	2371.9	2383.3
25°	2232.1	2245.8	2277.9	2316.9	2328.3
27.5°	2158.8	2177.1	2211.5	2250.4	2259.6
30°	2083.1	2099.2	2140.4	2177.1	2193.1
32.5°	2007.5	2023.6	2062.5	2099.2	2110.6
35°	1918.1	1941.1	1980.0	2014.4	2025.8
37.5°	1831.1	1851.7	1892.9	1927.3	1938.8
40°	1739.4	1757.7	1801.3	1833.3	1842.5
42.5°	1647.7	1666.1	1709.6	1734.8	1744.0
45°	1551.5	1572.1	1608.8	1636.3	1643.1
47.5°	1455.2	1471.3	1505.6	1530.8	1540.0
50°	1356.7	1372.7	1407.1	1427.7	1432.3
52.5°	1258.1	1269.6	1301.7	1320.0	1326.9
55°	1159.6	1171.0	1196.3	1216.9	1214.6
57.5°	1065.6	1070.2	1095.4	1109.2	1109.2
60°	960.2	964.8	985.4	994.6	996.9
62.5°	861.7	868.5	884.6	886.9	886.9
65°	765.4	767.7	776.9	781.5	781.5
67.5°	669.2	666.9	676.0	676.0	673.8
70°	568.3	572.9	575.2	570.6	568.3
72.5°	476.7	474.4	474.4	472.1	472.1
75°	387.3	382.7	385.0	375.8	373.5
77.5°	304.8	297.9	295.6	291.0	286.5
80°	220.0	220.0	217.7	213.1	210.8
82.5°	146.7	146.7	144.4	139.8	135.2
85°	82.5	82.5	80.2	73.3	71.0
87.5°	27.5	27.5	27.5	27.5	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)