

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: P297545

Luminaire Tested: **D3X-WO-80L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297545
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-80L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7453.0 lumens
Efficiency: N/A
Efficacy: 120.0 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

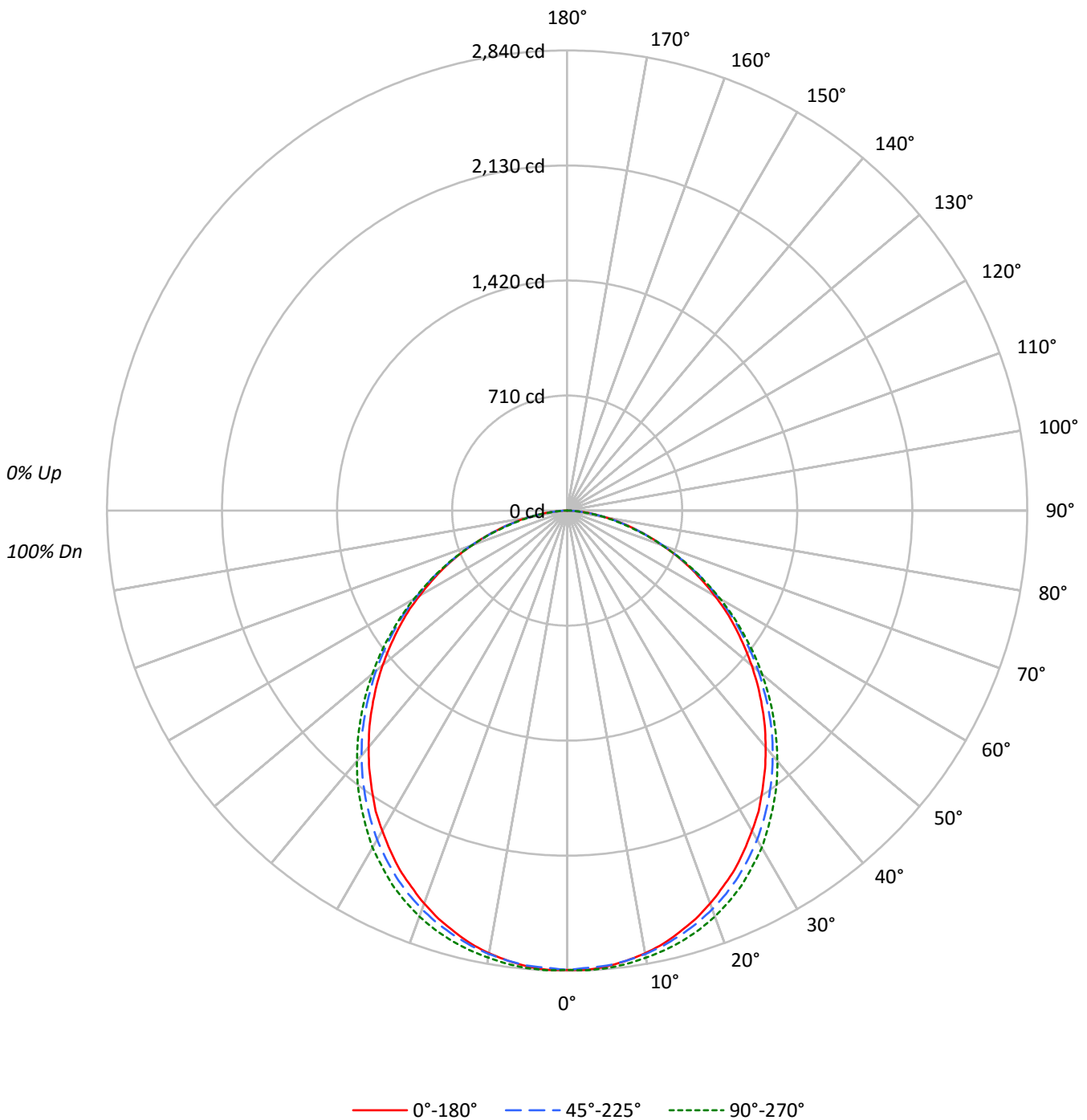
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3814	3814	3814
5°	3815	3808	3828
10°	3790	3797	3828
15°	3749	3777	3830
20°	3695	3749	3818
25°	3630	3705	3787
30°	3546	3643	3733
35°	3452	3563	3645
40°	3347	3466	3545
45°	3234	3354	3425
50°	3111	3227	3285
55°	2980	3074	3121
60°	2831	2905	2939
65°	2670	2710	2726
70°	2449	2479	2449
75°	2206	2193	2127
80°	1867	1848	1790
85°	1396	1357	1201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	3.6
10°-20°	766.6	10.3
20°-30°	1149.5	15.4
30°-40°	1353.7	18.2
40°-50°	1353.9	18.2
50°-60°	1168.2	15.7
60°-70°	840.6	11.3
70°-80°	445.9	6.0
80°-90°	106.3	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°	2184.5	29.3
0°-40°	3538.1	47.5
0°-60°	6060.2	81.3
0°-90°	7453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2834	2834	2834	2834	2834	
5°	2824	2822	2819	2830	2834	268
15°	2691	2699	2712	2739	2749	759
25°	2445	2460	2496	2538	2551	1125
35°	2101	2126	2169	2207	2219	1315
45°	1700	1722	1762	1793	1800	1311
55°	1270	1283	1311	1333	1331	1137
65°	839	841	851	856	856	829
75°	424	419	422	412	409	451
85°	90	90	88	80	78	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2834.5	2834.5	2834.5	2834.5	2834.5
2.5°	2837.0	2832.0	2824.5	2834.5	2839.5
5°	2824.5	2822.0	2819.4	2829.5	2834.5
7.5°	2801.9	2804.4	2801.9	2816.9	2822.0
10°	2774.3	2776.8	2779.3	2796.9	2801.9
12.5°	2739.1	2741.6	2749.2	2771.7	2779.3
15°	2691.4	2698.9	2711.5	2739.1	2749.2
17.5°	2641.2	2651.2	2668.8	2701.4	2711.5
20°	2580.9	2593.5	2618.6	2653.7	2666.3
22.5°	2513.2	2525.7	2560.9	2598.5	2611.1
25°	2445.4	2460.4	2495.6	2538.3	2550.8
27.5°	2365.0	2385.1	2422.8	2465.4	2475.5
30°	2282.2	2299.7	2344.9	2385.1	2402.7
32.5°	2199.3	2216.9	2259.6	2299.7	2312.3
35°	2101.4	2126.5	2169.2	2206.9	2219.4
37.5°	2006.0	2028.6	2073.8	2111.4	2124.0
40°	1905.6	1925.7	1973.4	2008.5	2018.6
42.5°	1805.2	1825.2	1872.9	1900.6	1910.6
45°	1699.7	1722.3	1762.5	1792.6	1800.1
47.5°	1594.3	1611.8	1649.5	1677.1	1687.2
50°	1486.3	1503.9	1541.5	1564.1	1569.2
52.5°	1378.3	1390.9	1426.0	1446.1	1453.7
55°	1270.4	1282.9	1310.6	1333.2	1330.6
57.5°	1167.4	1172.5	1200.1	1215.2	1215.2
60°	1052.0	1057.0	1079.6	1089.6	1092.1
62.5°	944.0	951.5	969.1	971.6	971.6
65°	838.6	841.1	851.1	856.1	856.1
67.5°	733.1	730.6	740.6	740.6	738.1
70°	622.6	627.7	630.2	625.1	622.6
72.5°	522.2	519.7	519.7	517.2	517.2
75°	424.3	419.3	421.8	411.7	409.2
77.5°	333.9	326.4	323.9	318.9	313.8
80°	241.0	241.0	238.5	233.5	231.0
82.5°	160.7	160.7	158.2	153.1	148.1
85°	90.4	90.4	87.9	80.3	77.8
87.5°	30.1	30.1	30.1	30.1	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)