

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: P296965

Luminaire Tested: **D3X-WD-67L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-67L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5552.0 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

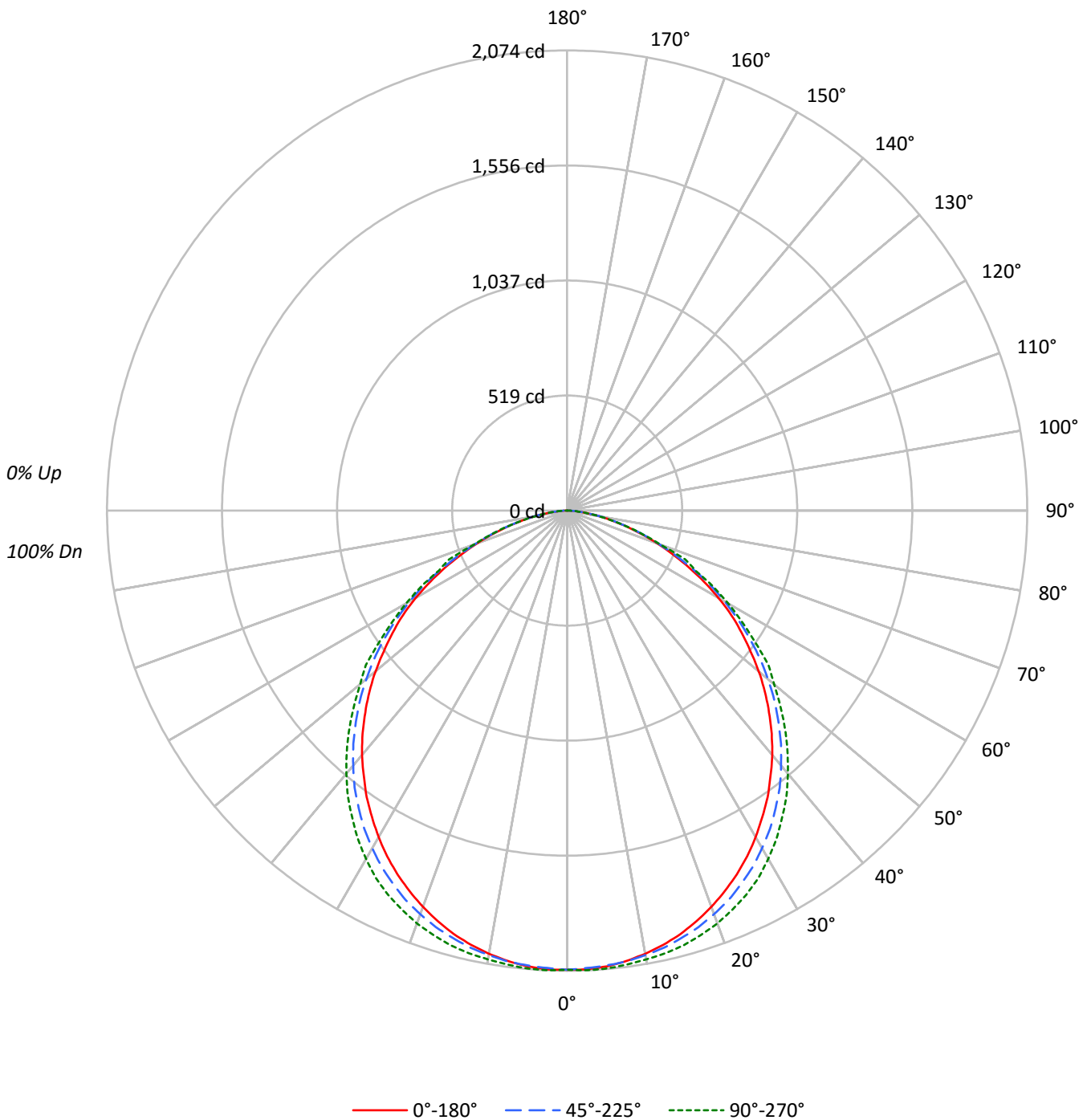
Input Watts (W): 49.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	2785	2785	2785
5°	2785	2779	2798
10°	2771	2779	2806
15°	2753	2778	2825
20°	2721	2772	2835
25°	2685	2756	2836
30°	2640	2730	2816
35°	2588	2690	2775
40°	2526	2635	2719
45°	2449	2562	2642
50°	2360	2473	2548
55°	2252	2355	2425
60°	2123	2203	2257
65°	1928	1991	2030
70°	1693	1732	1755
75°	1429	1450	1460
80°	1142	1158	1127
85°	769	800	769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.2	3.5
10°-20°	564.1	10.2
20°-30°	855.9	15.4
30°-40°	1021.8	18.4
40°-50°	1034.4	18.6
50°-60°	894.2	16.1
60°-70°	619.7	11.2
70°-80°	299.9	5.4
80°-90°	65.9	1.2
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°	1616.1	29.1
0°-40°	2637.9	47.5
0°-60°	4566.5	82.2
0°-90°	5552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5552.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2070	2070	2070	2070	2070	
5°	2062	2060	2058	2068	2072	196
15°	1976	1980	1994	2018	2028	557
25°	1809	1821	1857	1894	1910	833
35°	1576	1590	1638	1679	1689	984
45°	1287	1305	1347	1380	1388	993
55°	960	970	1004	1046	1034	858
65°	606	612	626	636	638	599
75°	275	277	279	277	281	295
85°	50	54	52	50	50	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2069.7	2069.7	2069.7	2069.7	2069.7
2.5°	2069.7	2067.8	2063.8	2069.7	2073.7
5°	2061.8	2059.8	2057.8	2067.8	2071.7
7.5°	2047.8	2047.8	2049.8	2059.8	2063.8
10°	2027.9	2029.9	2033.9	2049.8	2053.8
12.5°	2004.0	2008.0	2018.0	2035.9	2043.8
15°	1976.1	1980.1	1994.0	2018.0	2027.9
17.5°	1940.3	1948.2	1968.2	1996.0	2006.0
20°	1900.4	1910.4	1936.3	1968.2	1980.1
22.5°	1856.6	1866.6	1900.4	1934.3	1946.2
25°	1808.8	1820.7	1856.6	1894.4	1910.4
27.5°	1757.0	1770.9	1810.8	1850.6	1866.6
30°	1699.2	1715.2	1757.0	1798.8	1812.8
32.5°	1637.5	1653.4	1701.2	1741.1	1755.0
35°	1575.7	1589.7	1637.5	1679.3	1689.3
37.5°	1506.0	1521.9	1573.7	1609.6	1623.5
40°	1438.3	1454.2	1500.0	1535.9	1547.8
42.5°	1364.6	1380.5	1426.3	1460.2	1470.1
45°	1286.9	1304.8	1346.6	1380.5	1388.5
47.5°	1209.2	1223.1	1266.9	1296.8	1302.8
50°	1127.5	1141.4	1181.3	1211.2	1217.1
52.5°	1041.8	1063.8	1095.6	1117.5	1143.4
55°	960.2	970.1	1004.0	1045.8	1033.9
57.5°	878.5	884.5	912.4	930.3	934.3
60°	788.9	796.8	818.7	828.7	838.7
62.5°	695.2	701.2	727.1	737.1	741.0
65°	605.6	611.6	625.5	635.5	637.5
67.5°	514.0	519.9	531.9	539.8	575.7
70°	430.3	434.3	440.2	456.2	446.2
72.5°	350.6	352.6	358.6	358.6	360.6
75°	274.9	276.9	278.9	276.9	280.9
77.5°	205.2	209.2	211.2	209.2	207.2
80°	147.4	151.4	149.4	145.4	145.4
82.5°	95.6	97.6	95.6	93.6	93.6
85°	49.8	53.8	51.8	49.8	49.8
87.5°	17.9	19.9	21.9	23.9	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)